European Commission

Selection of FP7 and H2020 projects

relevant for the

BLACK SEA

EUROPEAN COMMISSION

Director-General for Research and Innovation
Directorate F – Bioeconomy
Unit F.4 – Marine Resources

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European Commission

Selection of FP7 and H2020 projects relevant for the

BLACK SEA

European Commission

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Projects funded under FP7

At a glance

Framework: FP7

Project number: 217766

Acronym: 4SEAS

Title: SYNERGIES BETWEEN SCIENCE AND SOCIETY FOR A SHARED APPROACH TO EUROPEAN SEAS

Call: FP7-SCIENCE-IN-SOCIETY-2007-1

Instrument: CSA-CA - Coordinating action

Start date: 01/03/2008

End date: 28/02/2010

Duration: 24 months

Total Cost: € 512,894.30

EU Contribution: € 439,085.68

Consortium: 7 participants

Project coordinator: COMUNE DI GENOVA, IT

4SEAS

SYNERGIES BETWEEN SCIENCE AND SOCIETY FOR A SHARED APPROACH TO EUROPEAN SEAS

Abstract

More than 70% of the globe is covered by water, and Europe itself is bordered by four different water basins (the Atlantic Ocean/North Sea, the Mediterranean Sea, the Baltic Sea and the Black Sea) which have been shaping and influencing the European cultural, social and economic heritage since the ancient times. Seas are the paradigm of cross-cutting approaches to knowledge and life. Oceans are appealing and fascinating which make them ideal tools for engaging and communicating with the public at large (irrespective of its age) even on otherwise complex, distant and themes. 4SEAS comes by a consortium mainly composed of science museums/aquariums and research centres located on the coasts of the 4 different European basins. Partners will act as single modules within a European network based on ITC technologies. 4SEAS will address all of the above through the following actions: 1) direct engagement of the public at large following a bottom-up approach to science communication; 2) selection of marine-related topics to be addressed by each partner taking into account both a shared/European and a specific/regional approach; 3) cooperation between science centres and science museums/aquariums to develop each topic and set up interactive exhibitions; 4) large use of ITC technologies to ensure connectivity in the network and open to the widest audience; 5) museum exhibitions and marine-oriented external events planned and made available directly or on the web. 4SEAS aims are: 1) to ensure visibility and dissemination of research results to the civil society; 2) to enable the public to express its views and concerns about science; 3) to promote science to the young; 4) to strengthen the European citizens' sense of participation in Europe through their direct involvement; 5) to develop a European awareness of the marine environment, cultural and technological aspects included; 6) to promote the regional approach within a broader context of European dimension.

Project's Participants List

4SEAS

SYNERGIES BETWEEN SCIENCE AND SOCIETY FOR A SHARED APPROACH TO EUROPEAN SEAS

Project's participants	Name	Country
1	COMUNE DI GENOVA	IT
2	STUDIO ASSOCIATO GAIA SNC DEI DOTTORI ANTONIO SARA E MARTINA MILANESE	IT
3	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
4	NATURAL HISTORY MUSEUM	UK
5	MORSKI INSTYTUT RYBACKI - PANSTWOWY INSTYTUT BADAWCZY	PL
6	A.O. KOVALEVSKIY INSTITUTE OF BIOLOGY OF SOUTHERN SEAS	UA
7	TRADE HOUSE GESS & CO	UA

At a glance

Framework: FP7

Project number: 244999

Acronym: AQUAMED

Title: The future of research on aquaculture in the Mediteranean Region

Call: FP7-KBBE-2009-3

Instrument: CSA-CA - Coordinating action

Start date: 01/06/2010

End date: 31/05/2013

Duration: 36 months

Total Cost: € 996,852.00

EU Contribution: € 1,111,950.40

Consortium: 11 participants

Project coordinator: European Fisheries and Aquaculture Organisation, FR

AQUAMED

The future of research on aquaculture in the Mediteranean Region

Abstract

The fast development of the Mediterranean aquaculture (freshwater, marine) is confronted to a set of difficulties e.g. inadequate production systems and competitiveness, interaction and space competition with other users and the need for a proper integration in the coastal zones, possible negative impact on the environment and negative image of the product quality. Aquaculture development in the Mediterranean countries is contrasted in terms of importance of the sector, domestic market demand, typology of the industry, and research and development structures and capacities. Consequently, a strategy for a knowledge-based development of the activity has to be implemented using a flexible and concerted approach. To deliver practical results, the AQUAMED project will be based on a four step process consisting in (1) mapping and setting a database of all relevant information (about policies, research and socio-economy) in each partner country, (2) identifying common situations and constraints between countries, (3) grouping countries confronted to similar driving forces in order to foster information exchanges and formulate more focussed science based recommendations and (4) setting up of a multi-stakeholder platform to promote a research organisation and an revolving implementation plan aiming at the sustainable development of aquaculture. The platform will be organised to be self-sustainable after the end of the project. It will be instrumental to rationalising research programming in order to avoid duplication, fragmentation and dispersion of research efforts, and to stimulate a long-term cooperation and coordination among policy makers, aquaculture industry and RTD performers in the Region. The Project consortium, covering most of the situations of the aquaculture sector met in Mediterranean, will put the emphasis on the participatory approach, the dissemination of the outcomes of the AQUAMED activities and the sustainability the multi-stakeholder platform.

Project's Participants List

AQUAMED

The future of research on aquaculture in the Mediteranean Region

Project's participants	Name	Country
1	European Fisheries and Aquaculture Organisation	FR
2	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	FR
3	INSTITUT ZA OCEANOGRAFIJU I RIBARSTVO	HR
4	INSTITUT NATIONAL DE RECHERCHE HALIEUTIQUE	MA
5	THE AGRICULTURAL RESEARCH ORGANISATION OF ISRAEL - THE VOLCANI CENTRE	IL
6	Ministry of Agriculture	LB
7	Institut National des Sciences et Technologies de la Mer	TN
8	MINISTRY OF AGRICULTURE AND RURAL AFFAIRS	TR
9	NATIONAL INSTITUTE OF OCEANOGRAPHY AND FISHERIES	EG
10	UNIVERSITE D'ANNABA	DZ
11	AquaTT UETP Ltd	IE

At a glance

Framework: FP7

Project number: 311920

Acronym: AQUATRACE

Title: The development of tools for tracing and evaluating the genetic impact of fish from aquaculture: “AquaTrace”

Call: FP7-KBBE-2012-6-singlestage

Instrument: CP-TP - Collaborative Project targeted to a special group (such as SMEs)

Start date: 01/11/2012

End date: 31/10/2016

Duration: 48 months

Total Cost: € 3,927,338.00

EU Contribution: € 2,999,184.60

Consortium: 22 participants

Project coordinator: DANMARKS TEKNISKE UNIVERSITET, DK

AQUATRACE

The development of tools for tracing and evaluating the genetic impact of fish from aquaculture: “AquaTrace”

Abstract

The genetic changes associated with domestication in aquaculture pose an increasing threat to the integrity of native fish gene pools. Consequently, there is a bourgeoning need for the development of molecular tools to assess and monitor the genetic impact of escaped or released farmed fish. In addition, exploration of basic links between genetic differences among farmed and wild fish and differences in important life-history traits with fitness consequences are crucial prerequisites for designing biologically informed management strategies. The project “AquaTrace” will establish an overview of current knowledge on aquaculture breeding, genomic resources and previous research projects for the marine species seabass, seabream and turbot. The project will apply cutting-edge genomic methods for the development of high-powered, cost-efficient, forensically validated and transferable DNA based tools for identifying and tracing the impact of farmed fish in the wild. Controlled experiments with wild and farmed fish and their hybrids will be conducted with salmon and brown trout as model organisms using advanced “common garden” facilities. These experiments will elucidate the fundamental consequences of introgression by pinpointing and assessing the effects on fitness of specific genomic regions. Generated insights will form the basis of a risk assessment and management recommendations including suggestions for mitigation and associated costs. This information and the developed molecular tools will be available as open-access support to project participants and external stakeholders including the aquaculture industry. The project is expected to facilitate technology transfer to the aquaculture sector by promoting better tailored breeding practices and traceability throughout production chain. Overall this initiative will support the development of sustainable European aquaculture and provide “Good Environmental Status” in line with the Marine Strategy Framework Directive.

Project's Participants List

AQUATRACE

The development of tools for tracing and evaluating the genetic impact of fish from aquaculture: "AquaTrace"

Project's participants	Name	Country
1	DANMARKS TEKNISKE UNIVERSITET	DK
2	HAVFORSKNINGSINSTITUTTET	NO
3	UNIVERSITA DEGLI STUDI DI PADOVA	IT
4	UNIVERSIDAD DE SANTIAGO DE COMPOSTELA	ES
5	KATHOLIEKE UNIVERSITEIT LEUVEN	BE
6	TRACE Wildlife Forensics Network Limited	UK
7	JRC -JOINT RESEARCH CENTRE- EUROPEAN COMMISSION	EU
8	INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE	FR
9	BANGOR UNIVERSITY	UK
10	THE UNIVERSITY OF STIRLING	UK
11	ARISTOTELIO PANEPISTIMIO THESSALONIKIS	EL
12	Istituto Superiore per la Protezione e la Ricerca Ambientale	IT
13	MUSTAFA KEMAL UNIVERSITY	TR
14	SCOTTISH GOVERNMENT	UK
15	SYNDICAT DES SELECTIONNEURS AVICOLES ET AQUACOLES FRANCAIS	FR
16	CLUSTER DE LA ACUICULTURA DE GALICIA ASOCIACION	ES
17	FERME MARINE DU DOUHET SAS	FR
18	Ardag Ltd.	IL
19	PLAGTON AE	EL
20	GIE LABORATOIRE D'ANALYSES GENETIQUES POUR LES ESPECES ANIMALES	FR
21	BIOMOLECULAR RESEARCH GENOMICS SRL	IT
22	Fios Genomics Limited	UK

At a glance

Framework: FP7

Project number: 295226

Acronym: BACT

Title: Bioactive compounds from Turkish marine macro organism and associated fungi for EU industries

Call: FP7-PEOPLE-2011-IRSES

Instrument: MC-IRSES - International Research Staff Exchange Scheme (IRSES)

Start date: 01/04/2013

End date: 31/03/2016

Duration: 36 months

Total Cost: € 96,600.00

EU Contribution: € 96,600.00

Consortium: 2 participants

Project coordinator: ANKARA UNIVERSITESI, TR

BACT

Bioactive compounds from Turkish marine macro organism and associated fungi for EU industries

Abstract

In recent years, marine natural product bioprospecting has provided key structures and compounds that proved their potential in several fields (human heath, food, cosmetics, veterinary medicine, etc.), particularly as new therepautic agents for a variety of diseases. Most of the marine secondary compounds are still in preclinical or early clinical development process, but some are already on the market, such as cytarabine, or predicted to be approved soon, such as ET743 (YondelisTM). The marine environment also represents a largely unexplored source for isolation of new microbes (bacteria, fungi, etc) that are potent producers of bioactive secondary metabolites. Therefore, this explains why most of the research on marine natural products is in fact search for useful bioactive compounds. The marine organisms will be collected from Turkish water in geographic range and different ecological habitats under the terms of Convention of Biological Diversity The aim of the project is to identify new natural marine compounds that can serve as lead structures for new products in EU industries. The target fields are drug discovery and cosmetic industry. This project enables Europe to compete with USA and Japan.

Project's Participants List

BACT

Bioactive compounds from Turkish marine macro organism and associated fungi for EU industries

Project's participants	Name	Country
1	ANKARA UNIVERSITESI	TR
2	HEINRICH-HEINE-UNIVERSITAET DUESSELDORF	DE

At a glance

Framework: FP7

Project number: 227118

Acronym: BASEFOOD

Title: Sustainable exploitation of bioactive components from the Black Sea Area traditional foods

Call: FP7-KBBE-2008-2B

Instrument: CP-SICA - Collaborative project for specific cooperation actions dedicated to international cooperation partner countries (SICA)

Start date: 01/04/2009

End date: 31/10/2012

Duration: 43 months

Total Cost: € 3,722,563.00

EU Contribution: € 2,906,233.00

Consortium:13 participants

Project coordinator: ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA, IT

BASEFOOD

Sustainable exploitation of bioactive components from the Black Sea Area traditional foods

Abstract

BaSeFood aims to promote sustainable development and exploitation of Traditional Foods containing emerging bioactive compounds with putative health effects in the Black Sea Region (BSR). The Consortium includes 13 partners covering the BSR, EuroFIR partners with experience on traditional foods and bioactive compounds at the pan-European level, and one representing 11 European Food and Drink Federations. The objectives of BaSeFood are: (1) To investigate the knowledge base of traditional foods of the BSR in order to identify those foods to be collected and analysed. (WP1). (2) To define, characterise and collect nutrient and bioactive data for a subset of about 30 prioritised traditional foods using previously developed and validated EuroFIR guidelines and bioactive databases, with appropriate analyses (WP2). (3) To carry out case human intervention studies (priority: cardiovascular disease protection), supported by intensive in vitro and in vivo laboratory tests, to address the requirement for supporting evidence in nutrition and health claims (WP3). (4) To accurately map and describe the flow charts of BSR traditional foods preparation and processing, and determine bioactive retention at both laboratory and pilot plant scale in close collaboration with industry partners (WP4). (5) To evaluate attitudes of processors and consumers in order to optimise and enhance the whole food chain for improved availability and health benefits of BSR traditional foods (WP5). (6) To widely disseminate results and findings in order to enhance awareness and sustainable development of traditional foods of the BSR for improved health (WP6). The project objectives are entirely congruent with those of the call, and will serve to (a) make a significant contribution to the substantiation of nutrition/health claims for traditional foods (b) enhance the cooperation between researchers and stakeholders, and (c) promote sustainable economic development for European SMEs and the BSR

European Commission

BASEFOOD

Project's Participants List

Sustainable exploitation of bioactive components from the Black Sea Area traditional foods

Project's participants	Name	Country
1	ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA	IT
2	QUADRAM INSTITUTE BIOSCIENCE	UK
3	HELLENIC HEALTH FOUNDATION	EL
4	INSTITUTO NACIONAL DE SAUDE DR. RICARDO JORGE	PT
5	Odessa National Academy of Food Technologies	UA
6	UZHGORODSKYI NACIONALNYI UNIVERSITET	UA
7	STATE EDUCATIONAL INSTITUTION OF THE HIGHER PROFESSIONAL EDUCATION MOSCOW STATE UNIVERSITY OF FOOD PRODUCTIONS	RU
8	SPREAD EUROPEAN SAFETY GEIE	IT
9	ACADEMIA DE STUDII ECONOMICE DIN BUCURESTI	RO
10	BIOLOGICAL FARMING ASSOCIATION ELKANA	GE
11	INSTITUT ZA MEDICINSKA ISTRA IVANJA	RS
12	University of Food Technologies	BG
13	YEDITEPE UNIVERSITY VAKIF	TR

At a glance

Framework: FP7

Project number: 265896

Acronym: BAMMBO

Title: Sustainable production of biologically active molecules of marine based origin

Call: FP7-KBBE-2010-4

Instrument: CP-FP - Small or medium-scale focused research project

Start date: 01/03/2011

End date: 28/02/2014

Duration: 36 months

Total Cost: € 4,338,536.00

EU Contribution: € 2,992,421.00

Consortium: 11 participants

Project coordinator: LIMERICK INSTITUTE OF TECHNOLOGY, IE

BAMMBO

Sustainable production of biologically active molecules of marine based origin

Abstract

Innovation is the most important engine of growth and jobs in knowledge-based bio-economies. The scope of BAMMBO (Biologically Active Molecules of Marine Based Origin) is ambitious. This is intentional. BAMMBO will provide innovative solutions to overcome existing bottle-necks associated with culturing marine organisms in order to sustainably produce high yields of value-added products for the pharmaceutical, cosmetic and industrial sectors. BAMMBO will screen and identify target marine organisms (e.g. bacteria, fungi, sponges, microalgae, macroalgae and yeasts) from diverse global locations for potential as sustainable producers of high–added value molecules (HVAB's). Our project will apply analytical methods for the extraction, purification and enrichment of targeted bioactive compounds. A detailed life cycle analysis of the production pathways developed in the project will be undertaken to fully evaluate the sustainability of production of biologically active products from marine organisms. BAMMBO will exploit knowledge and technologies developed during the project and effectively manage their transfer to relevant stakeholders in industry and the research community, as well as to policy-makers. We have brought together a multidisciplinary consortium of specialist Research and SME partners representing 8 countries including partners from ICPC countries Russia and Brazil, and from EU member states at Mediterranean, Adriatic and Atlantic coasts. In adhering to the European Strategy for Marine and Maritime Research this three year project will encourage capacity-building, integration and synergies across relevant marine sectors. Innovative technologies developed in the project will be demonstrated with the involvement of industry partners, and the results will be of interest not only to companies directly involved in the marine sector, but to other large scale industry players such as pharmaceutical companies with interest in added-value bioactive compounds.

Project's Participants List

BAMMBO

Sustainable production of biologically active molecules of marine based origin

Project's participants	Name	Country
1	LIMERICK INSTITUTE OF TECHNOLOGY	IE
2	UNIVERSITE DE NICE SOPHIA ANTIPOLIS	FR
3	UNIVERSIDADE ESTADUAL DE CAMPINAS	BR
4	ALGAE HEALTH LIMITED	IE
5	GREENSEA SAS	FR
6	UNIVERSIDAD DE SANTIAGO DE COMPOSTELA	ES
7	INSTITUTO POLITECNICO DE LEIRIA	PT
8	UNIVERSITE CATHOLIQUE DE LOUVAIN	BE
9	UNIVERSITEIT GENT	BE
10	FEDERAL STATE UNITARY ENTERPRISE STATE SCIENTIFIC-RESEARCH INSTITUTE OF GENETICS AND BREEDING OF INDUSTRIAL MICROORGANISMS	RU
11	UNIVERSITA DEGLI STUDI DI GENOVA	IT

At a glance

Framework: FP7

Project number: 312088

Acronym: BENTHIS

Title: Benthic ecosystem fisheries Impact Study

Call: FP7-KBBE-2012-6-singlestage

Instrument: CP-TP - Collaborative Project targeted to a special group (such as SMEs)

Start date: 01/10/2012

End date: 30/09/2017

Duration: 60 months

Total Cost: € 7,784,925.51

EU Contribution: € 5,994,250.00

Consortium: 34 participants

Project coordinator: STICHTING WAGENINGEN RESEARCH, NL

BENTHIS

Benthic ecosystem fisheries Impact Study

Abstract

Benthic ecosystems provide important goods and services, such as fisheries products and supporting, regulation and cultural services. There is serious concern about the adverse impact of fisheries on benthic ecosystem which may negatively affect the fisheries yield and integrity of the sea bed. To develop an integrated approach to the management of human activities in the marine environment, in particular fishing, there is a need to develop quantitative tools to assess the impact of fisheries on the benthic ecosystem and at the same time collaborate with the fishing industry to develop innovative technologies and new management approaches to reduce the impact on benthic ecosystems. BENTHIS will provide the knowledge to further develop the ecosystem approach to fisheries management as required in the Common Fisheries Policy and the Marine Strategy Framework Directive. It will study the diversity of benthic ecosystem in European waters and the role of benthic species in the ecosystem functioning. Fisheries impacts will be studied on benthic organisms and on the geo-chemistry. The newly acquired knowledge will be synthesized in a number of generic tools that will be combined into a fishing/seabed habitat risk assessment method that will be applied to fisheries in the Baltic, North Sea, Western waters, Mediterranean and Black Sea. Fisheries will be selected with the fishing industry based on the impact on the benthic ecosystem. BENTHIS will integrate fishing industry partners to collaborate in testing the performance of innovative technologies to reduce fishing impact. Finally, in collaboration with the fishing industry and other stakeholders, new management approaches will be developed and tested on their effects on the ecosystem and the socio-economic consequences. As such BENTHIS will the urgently needed scientific basis to integrate the role of marine benthic ecosystems in fisheries management.

BENTHIS

Project's Participants List

Benthic ecosystem fisheries Impact Study

Project's participants	Name	Country
1	STICHTING WAGENINGEN RESEARCH	NL
2	VLAAMS GEWEST	BE
3	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	UK
4	BANGOR UNIVERSITY	UK
5	THE UNIVERSITY COURT OF THE UNIVERSITY OF ABERDEEN	UK
6	MARINE SCOTLAND	UK
7	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	FR
8	MARINE INSTITUTE	IE
9	DANMARKS TEKNISKE UNIVERSITET	DK
10	AARHUS UNIVERSITET	DK
11	KOBENHAVNS UNIVERSITET	DK
12	SVERIGES LANTBRUKSUNIVERSITET	SE
13	HAVFORSKNINGSINSTITUTTET	NO
14	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
15	HELLENIC CENTRE FOR MARINE RESEARCH	EL
16	MINISTRY OF FOOD AGRICULTURE AND LIVESTOCK	TR
17	SP/F SYNTESA	FO
18	Atlas VG86	SE
19	SUSANNE H PR	DK
20	WITTRUP SEAFOOD A/S	DK
21	FISKERISELSKABET GI - BRI AS	DK
22	MARINE MONITORING VID KRISTINEBERG AB	SE
23	ANTON DEKKER BEHEER BV	NL
24	NAGEL CORNELIS WIJBE	NL
25	TREGUIER LAURENT	FR
26	YANN JEAN JOSEPH DIDELOT	FR
27	RETIMAR DI PACI NAZZARENO & C S.N.C	IT
28	OFFICINA MECCANICA GRILLI DI GRILLI ROBERTO & C. SAS	IT
29	MORI CARLO SRL	IT
30	MALKOCOGLU BALIKCILIK HAYVANCILIK SANAYI VE TICARET LIMITED SIRKETI	TR
31	SADIKLAR SOGUK HAVA TESISLERI VE SU URUNLERI SANAYI TICARET LIMITED SIRKETI	TR
32	VOF PESCE 43	NL
33	ONDOKUZ MAYIS UNIVERSITESI	TR
34	PACI NAZZARENO	IT

At a glance

Framework: FP7

Project number: 226160

Acronym: BS-ERA.NET

Title: NETWORKING ON SCIENCE AND TECHNOLOGY IN THE BLACK SEA REGION

Call: FP7-INCO-2007-3

Instrument: CSA-CA - Coordinating action

Start date: 01/01/2009

End date: 31/12/2012

Duration: 48 months

Total Cost: € 2,600,099.08

EU Contribution: € 2,191,788.00

Consortium: 17 participants

Project coordinator: Unitatea Executiva pentru Finantarea Invatamantului Superior, a Cercetarii, Dezvoltarii si Inovarii, RO

BS-ERA.NET

NETWORKING ON SCIENCE AND TECHNOLOGY IN THE BLACK SEA REGION

Abstract

The main objectives of the BS-ERA.NET project are: - reduce the fragmentation of the European Research Area (ERA) by improving the coherence and coordination of national and regional research programmes; - to develop and strengthen the coordination of public research programmes conducted at national and regional level, which target a group of countries from the extended Black Sea region. -to sustain the communication in order to develop better reciprocal knowledge and promote trust-building among programme owners and/or managers through a mutual learning process, and a systemic exchange of information and good practice. -to enhance the complementarities and synergy between the Framework Programme and activities carried out in the framework of governmental structures such as COST, EUREKA, NEP, UNESCO-BRESCE or EIROforum. -to promote a network and mutually open at national regional research programmes level which will lead to: concrete cooperation in the frame of the Black Sear Research Programme (BSRP) and to the development and implementation of joint programmes and activities in the region

BS-ERA.NET

Project's Participants List

NETWORKING ON SCIENCE AND TECHNOLOGY IN THE BLACK SEA REGION

Project's participants	Name	Country
1	Unitatea Executiva pentru Finantarea Invatamantului Superior, a Cercetarii, Dezvoltarii si Inovarii	RO
2	Ministerul Educatiei Nationale si Cercetarii Stiintifice	RO
3	GENIKI GRAMMATIA EREVNAS KAI TECHNOLOGIAS	EL
4	AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE	IT
5	TURKIYE BILIMSEL VE TEKNOLOJIK ARASTIRMA KURUMU	TR
6	MINISTERE DE L'EDUCATION NATIONALE, DE L'ENSEIGNEMENT SUPERIEUR ET DE LA RECHERCHE	FR
7	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	FR
8	PRESIDIUM OF AZERBAIJAN NATIONAL ACADEMY OF SCIENCES	AZ
9	NATIONAL ACADEMY OF SCIENCES OF THE REPUBLIC OF ARMENIA	AM
10	DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV	DE
11	THE CENTRE FOR SCIENTIFIC AND TECHNICAL INFORMATION AND INNOVATION PROMOTION OF UKRAINE	UA
12	INTERNATIONAL CENTER FOR BLACK SEA STUDIES	EL
13	ACADEMIA DE STIINTE A MOLDOVEI	MD
14	OFFICE OF THE PRIME MINISTER	MT
15	MINISTRY OF EDUCATION AND SCIENCE	BG
16	State Committee of Science of the Republic of Armenia	AM
17	SHOTA RUSTAVELI NATIONAL SCIENCE FOUNDATION	GE

At a glance

Framework: FP7

Project number: 286413

Acronym: CARBONCOMP

Title: High-throughput development of carbon-polymer nanocomposites for marine applications

Call: FP7-PEOPLE-2011-IAPP

Instrument: MC-IAPP - Industry-Academia Partnerships and Pathways (IAPP)

Start date: 01/09/2011

End date: 31/08/2015

Duration: 48 months

Total Cost: € 1,537,194.00

EU Contribution: € 1,537,194.00

Consortium: 4 participants

Project coordinator: GLOBAL NANOTECHNOLOGIES SA FOR THEDESIGN DEVELOPMENT PRODUCTION AND TRADING OF NANOTECHNOLOGIES MATERIALS, EL

CARBONCOMP

High-throughput development of carbon-polymer nanocomposites for marine applications

Abstract

One of the major obstacles in the effective use of nanostructured carbon as reinforcement in polymer matrix composites is their agglomeration and poor dispersion within the metallic matrix. To overcome this obstacle the proposed project will synthesize and functionalize nanoscaled polymers of carbon nanotubes (mainly) and graphene sheets by employing environmentally friendly and cost-effective methods. Lab-scale production of carbon-based nanocomposites will be initially implemented, primarily for marine coatings but also for other applications where materials performance or biodegradability is of major importance. High purity, low-cost carbon nanotubes and graphene will be tested in order to tailor their chemical functionality towards epoxy resins and biodegradable polyesters. High-throughput methods of carbon nanotubes production, based on fluidized bed technology, will be employed. Functionalization schemes, which can result in fast and economical synthesis of multifunctional nanocomposites, will be carried out by adopting protocols developed by the consortium. The characterization of the multifunctional lab-scale composites will provide a better understanding on how the scale and morphology of reinforcements can promote synergistically materials performance. Modelling of carbon nanotubes and epoxy binder compositions via the novel method of artificial neural network will also contribute to this insight. Up-scaling of the qualified material production processes will be subsequently realized, resulting in the operation of large-scale production lines in the facilities of the industrial partners. The proposed research plan represents a key enabling technology for manufacturers to maximise profit and gain competitive advantages. Optimisation of the processing input parameters will be carried out in order to achieve desired processability (e.g. rheological properties), increased performance (mechanical, electrical or thermal properties) and improved antifouling properties.

CARBONCOMP

Project's Participants List

High-throughput development of carbon-polymer nanocomposites for marine applications

Project's participants	Name	Country
1	GLOBAL NANOTECHNOLOGIES SA FOR THEDESIGN DEVELOPMENT PRODUCTION AND TRADING OF NANOTECHNOLOGIES MATERIALS	EL
2	NATIONAL CENTER FOR SCIENTIFIC RESEARCH "DEMOKRITOS"	EL
3	MORAVIA BOYA VE KIMYA SANAYI TICARET LIMITED SIRKETI	TR
4	DOKUZ EYLUL UNIVERSITESI	TR

At a glance

Framework: FP7

Project number: 211288

Acronym: CASPINFO

Title: CASPIAN ENVIRONMENTAL AND INDUSTRIAL DATA & INFORMATION SERVICE

Call: FP7-ENV-2007-1

Instrument: CSA-SA - Supporting action

Start date: 01/09/2008

End date: 28/02/2011

Duration: 30months

Total Cost: € 940,784.57

EU Contribution: € 800,697.00

Consortium: 17 participants

Project coordinator: MARIENE INFORMATIE SERVICE MARIS BV, NL

CASPINFO

CASPIAN ENVIRONMENTAL AND INDUSTRIAL DATA & INFORMATION SERVICE

Abstract

CASPINFO aims at strengthening the regional capacity and performance of marine environmental data & information management, and adoption of international meta-data standards and data-management practices, involving stakeholders from management, research, and industry. The objectives are: • To initiate and maintain a Caspian Sea network of leading environmental and socio-economic research institutes, governmental departments, oil & gas industries, and international bodies, jointly working on the definition, development and operation of the CASPINFO service. • Development and establishment of an Internet based CASPINFO Data & Information Service to facilitate the access to socio-economic and legal information, metadata and distributed datasets, managed by the regional partners, and to support marine environmental management. • To explore and to develop a sustainable operation model for the CASPINFO service, thereby taking into account that the partners are coming from different backgrounds (public and private sectors) and possibly will deal with a mix of public and commercial data & information. Improved access to high quality, up-to-date environmental, economic, social and industrial (meta-) data and information, is a key issue. The CASPINFO data & information service will serve as a repository for relevant, available marine environmental and industrial (meta-) data and serve as an important instrument for marine environmental scientists, oil & gas industry and other marine industries, governmental decision makers and managers and the general public. Interoperability and harmonisation with other European systems are key conditions. CASPINFO will zoom in on the environment, but moreover on supporting assessments of impacts and effectiveness of measures concerning oil & gas industry activities, which are of great economic importance to the region. CASPINFO will also be promoted to other marine industries, that might benefit from the service.

Project's Participants List

CASPINFO

CASPIAN ENVIRONMENTAL AND INDUSTRIAL DATA & INFORMATION SERVICE

Project's participants	Name	Country
1	MARIENE INFORMATIE SERVICE MARIS BV	NL
2	Sumgayit Center for Environmental Rehabilitation	AZ
3	INSTITUTE OF GEOGRAPHY NAMED H A ALIYEV NATIONAL ACADEMY OF SCIENCES OF AZERBAIJAN	AZ
4	INSTITUTE OF GEOGRAPHY	KZ
5	UNITED NATIONS DEVELOPMENT PROGRAMME	US
6	GOSUDARSTVENNOE UCHREZHDENIE GOSUDARSTVENNIY OKEANOGRAFICHESKIY INSTITUT-STATE OCEANOGRAPHIC INSTITUTE SO	RU
7	INSTITUT PROBLEM EKOLOGII I EVOLYUCII IM A N SEVERTSOV ROSSIISKAYA AKADEMIYA NAUK*SIEE-RAS A.N.SEVERTSOVINSTITUTE OF ECOLOGY AND EVOLUTION	RU
8	P.P. SHIRSHOV INSTITUTE OF OCEANOLOGY OF RUSSIAN ACADEMY OF SCIENCES	RU
9	FEDERAL STATE BUGETARY INSTITUTION CASPIAN MARINE SCIENTIFIC AND RESEARCH CENTRE	RU
10	INSTITUT GEOEKOLOGII ROSSIYSKOY AKADEMII NAUK	RU
11	THE COMMISSION ON THE PROTECTION OFTHE BLACK SEA AGAINST POLLUTION	TR
12	HELLENIC CENTRE FOR MARINE RESEARCH	EL
13	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
14	STATE OIL COMPANY OF THE AZERBAIJAN REPUBLIC INVESTMENT DIVISION	AZ
15	DAGESTANSKIY GOSUDARSTVENNIY UNIVERSITET	RU
16	M.V. LOMONOSOV MOSCOW STATE UNIVERSITY	RU
17	UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION -UNESCO	FR

At a glance

Framework: FP7

Project number: 247512

Acronym: CLIMSEAS

Title: Climate Change and Inland Seas: Phenomena, Feedback and Uncertainties. The Physical Science Basis.

Call: FP7-PEOPLE-2009-IRSES

Instrument: MC-IRSES - International Research Staff Exchange Scheme (IRSES)

Start date: 01/06/2010

End date: 30/11/2014

Duration: 54 months

Total Cost: € 264,600.00

EU Contribution: € 248,400.00

Consortium: 3 participants

Project coordinator: UNIVERSITAT DE GIRONA, ES

CLIMSEAS

Climate Change and Inland Seas: Phenomena, Feedback and Uncertainties. The Physical Science Basis

Abstract

The overall aim of this proposal is to create an international network of scientists working on climate change in inland sea areas, which are sensitive environments capable of providing key information about global climate change. Although inland seas and large lakes are very vulnerable to anthropogenic and climatic stressors and require special attention, there is not a single, easily identifiable research centre in Europe dedicated to them, although many are working on it. Because the University of Girona (UdG), the Shirshov Institute of Oceanology (SIO) and the Russian Hydrometeorological Centre (RHMC) had already developed a collaborative relationship during a NATO study project on the Aral Sea, the IRSES scheme appeared to be a good context within which to strengthen the relationship of the UdG with the SIO and the RHMC – two regional leaders in their respective fields – and to study of inland seas in Central Eurasia, one of the most active regions for climate change according to the projection of surface temperatures for all four IPCC scenarios. However, there is still a need for research on historical data that collaboration with paleoclimatologists/limnologists from the Universities of Brunel and Liverpool could provide. The Arizona State University, which has had a relationship with the UdG since 1992 is joining with its own funds and offering its experience and laboratories to better develop the project, which focuses on the Physical Science Basis of Climate Change. Given the opportunities presented by these collaborations and the aims of the IRSES, activities such as seminars or research work analysing either existing or new data related to the sea, the vegetation and the atmospheric components of the climate system, and their interrelation are organised within this proposal. The proposal brings together experimental and numerical communities, which have been identified as important and is included in the FP7 (ENV.2009.1.1.4.1).

Project's Participants List

CLIMSEAS

Climate Change and Inland Seas: Phenomena, Feedback and Uncertainties. The Physical Science Basis

Project's participants	Name	Country
1	UNIVERSITAT DE GIRONA	ES
2	BRUNEL UNIVERSITY LONDON	UK
3	THE UNIVERSITY OF LIVERPOOL	UK

At a glance

Framework: FP7

Project number: 287844

Acronym: COCONET

Title: Towards COast to COast NETworks of marine protected areas (from the shore to the high and deep sea), coupled with sea-based wind energy potential.

Call: FP7-OCEAN-2011

Instrument: CP-IP-SICA - Large-scale integrating project for specific cooperation actions dedicated to international cooperation partner countries (SICA)

Start date: 01/02/2012

End date: 31/01/2016

Duration: 48 months

Total Cost: € 11,323,365.68

EU Contribution: € 9,000,000.00

Consortium: 40 participants

Project coordinator: UNIVERSITE MOHAMMED V DE RABAT, MA

COCONET

Towards COast to COast NETworks of marine protected areas (from the shore to the high and deep sea), coupled with sea-based wind energy potential

Abstract

Environmental policies focus on protecting habitats valuable for their biodiversity, as well as producing energy in cleaner ways. The establishment of Marine Protected Area (MPA) networks and installing Offshore Wind Farms (OWF) are important ways to achieve these goals. The protection and management of marine biodiversity has focused on placing MPAs in areas important for biodiversity. This has proved successful within the MPAs, but had little impact beyond their boundaries. In the highly populated Mediterranean and the Black Seas, bordered by many range states, the declaration of extensive MPAs is unlikely at present, so limiting the bearing of protection. The establishment of MPAs networks can cope with this obstacle but, to be effective, such networks must be based on solid scientific knowledge and properly managed (not merely “paper parks”). OWF, meanwhile, must be placed where the winds are suitable for producing power, but they should not have any significant impact on biodiversity and ecosystem functioning, or on human activities. The project will have two main themes: 1 - identify prospective networks of existing or potential MPAs in the Mediterranean and the Black Seas, shifting from a local perspective (centred on single MPAs) to the regional level (network of MPAs) and finally the basin scale (network of networks). The identification of the physical and biological connections among MPAs will elucidate the patterns and processes of biodiversity distribution. Measures to improve protection schemes will be suggested, based on maintaining effective exchanges (biological and hydrological) between protected areas. The national coastal focus of existing MPAs will be widened to both off shore and deep sea habitats, incorporating them into the networks through examination of current legislation, to find legal solutions to set up transboundary MPAs. 2 - explore where OWF might be established, producing an enriched wind atlas both for the Mediterranean and the Black Seas. OWF locations will avoid too sensitive habitats but the possibility for them to act as stepping-stones through MPAs, without interfering much with human activities, will be evaluated. Socioeconomic studies employing ecosystem services valuation methods to develop sustainable approaches for both MPA and OWF development will also be carried out, to complement the ecological and technological parts of the project, so as to provide guidelines to design, manage and monitor networks of MPAs and OWF. Two pilot projects (one in the Mediterranean Sea and one in the Black Sea) will test in the field the assumptions of theoretical approaches, based on previous knowledge, to find emerging properties in what we already know, in the light of the needs of the project. The project covers many countries and involves researchers across a vast array of subjects, in order to achieve a much-needed holistic approach to environmental protection. It will help to integrate the Mediterranean and Black Seas scientific communities through intense collective activities, combined with strong communications with stakeholders and the public at large. Consequently, the project will create a permanent network of excellent researchers (with cross fertilization and further capacity building) that will also work together also in the future, making their expertise available to their countries and to the European Union.

European Commission

COCONET

Project's Participants List

Towards COast to COast NETworks of marine protected areas (from the shore to the high and deep sea), coupled with sea-based wind energy potential

Project's participants	Name	Country
1	UNIVERSITE MOHAMMED V DE RABAT	MA
2	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
3	CONSORZIO NAZIONALE INTERUNIVERSITARIO PER LE SCIENZE DEL MARE ASSOCIAZIONE	IT
4	3E NV	BE
5	PANEPISTIMIO AIGAIOU	EL
6	CLU srl	IT
7	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	FR
8	COISPA TECNOLOGIA & RICERCA SCARL	IT
9	AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS	ES
10	DANMARKS TEKNISKE UNIVERSITET	DK
11	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU GEOLOGIE SI GEOECOLOGIE MARINA-GEOECOMAR	RO
12	HELLENIC CENTRE FOR MARINE RESEARCH	EL
13	INSTITUT PO BIORAZNOOBRAZIE I EKOSISTEMNI IZSLEDVANIYA BALGARSKA AKADEMIYA NA NAUKITE	BG
14	INSTITUTO ESPANOL DE OCEANOGRAFIA	ES
15	UNIVERSIDAD DE CANTABRIA	ES
16	Institut National Agronomique de Tunisie	TN
17	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE MARINA GRIGORE ANTIPA	RO
18	ISRAEL OCEANOGRAPHIC AND LIMNOLOGICAL RESEARCH LIMITED	IL
19	ISTANBUL UNIVERSITESI	TR
20	MIDDLE EAST TECHNICAL UNIVERSITY	TR
21	MARINE HYDROPHYSICAL INSTITUTE - UKRAINIAN NATIONAL ACADEMY OF SCIENCES	UA
22	NATUREBUREAU LIMITED	UK
23	THE NATIONAL ENVIRONMENTAL AGENCY	GE
24	NENUPHAR SARL	FR
25	STIFTELSEN NANSEN SENTER FOR MILJOOG FJERNMALING	NO
26	UNIVERSITE MOHAMMED V DE RABAT	MA
27	ODESSA BRANCH INSTITUTE OF BIOLOGY OF SOUTHERNS SEAS NATIONAL ACADEMY OF SCIENCE OF UKRAINE	UA
28	P.P. SHIRSHOV INSTITUTE OF OCEANOLOGY OF RUSSIAN ACADEMY OF SCIENCES	RU
29	SVEUCILISTE U ZADRU	HR
30	FONDACIONI ZOJA E KESHILLIT TE MIRE	AL

31	UNIVERSITA TA MALTA	MT
32	JAVNA USTANOVA UNIVERZITET CRNE GORE PODGORICA	ME
33	UNIVERSITAET ROSTOCK	DE
34	SOFIISKI UNIVERSITET SVETI KLIMENT OHRIDSKI	BG
35	UNIVERSITE DE TOULON	FR
36	INSTITUTE OF OCEANOLOGY - BULGARIAN ACADEMY OF SCIENCES	BG
37	UKRAINIAN SCIENTIFIC CENTRE OF ECOLOGY OF THE SEA	UA
38	A.O. KOVALEVSKIY INSTITUTE OF BIOLOGY OF SOUTHERN SEAS	UA
39	RUSSIAN STATE HYDROMETEOROLOGICAL UNIVERSITY	RU
40	SINOP UNIVERSITY*SINOP FISHERIES FACULTY SNU FF	TR

At a glance

Framework: FP7

Project number: 289610

Acronym: COMFISH

Title: Strengthening the impact of fisheries related research through dissemination, communication and technology transfer

Call: FP7-KBBE-2011-5

Instrument: CSA-SA - Supporting action

Start date: 01/02/2012

End date: 31/01/2015

Duration: 36 months

Total Cost: € 1,115,018.00

EU Contribution: € 999,565.00

Consortium: 10 participants

Project coordinator: LUDWIG-MAXIMILIANS-UNIVERSITAET MUENCHEN, DE

COMFISH

Strengthening the impact of fisheries related research through dissemination, communication and technology transfer

Abstract

ComFish takes the view that it is not sufficient to focus on pressing issues in fisheries or on communication impasses between stakeholders in isolation (scientists – industry – policy makers). A broader view is necessary, and this is very much in line with the ecosystem approach of the revision of the Common Fisheries Policy to be implemented in 2012. In this frame of mind, ComFish aims to identify important fisheries topics with long term impacts and ascertain whether scientific results have been properly communicated to fisheries stakeholders. If yes, why and how was this done? If not, then the question must be answered which communication needs must be addressed. What are the related challenges, needed actions and possible solutions? ComFish will identify these topics and through five regional participatory stakeholder events address these communication impasses. Next, ComFish will use the outcome of the events to prepare Information Packages, that include audio-visual materials, and communicate the identified priority issues to a wider circle of stakeholders as well as to EU citizens. Finally, ComFish will organise a Partnering Event to facilitate network building amongst stakeholders, to jointly address and overcome communication impasses and to stimulate collaborations. All activities are supported by a robust science based impact analysis. ComFish has nine partners in eight EU countries: four are communication specialists and five are institutions engaged in marine research and policy advice. The project benefits from an extensive Advisory Board with representation from all major fisheries stakeholders in Europe as well as over 40 Project Associated Members, mostly FP6/FP7 research project co-ordinators. The project lasts 36 months.

Project's Participants List

COMFISH

Strengthening the impact of fisheries related research through dissemination, communication and technology transfer

Project's participants	Name	Country
1	LUDWIG-MAXIMILIANS-UNIVERSITAET MUENCHEN	DE
2	PRO BIO PARTNERS VOF	NL
3	Visions Unlimited Medien	DE
4	INTERNATIONAL ORGANISATION FOR THE DEVELOPMENT OF FISHERIES IN EASTERN AND CENTRAL EUROPE*EUROFISH	DK
5	MORSKI INSTYTUT RYBACKI - PANSTWOWY INSTYTUT BADAWCZY	PL
6	HAVFORSKNINGSINSTITUTTET	NO
7	INSTITUTO ESPANOL DE OCEANOGRAFIA	ES
8	ISTITUTO DI RICERCHE ECONOMICHE PERLA PESCA E L'AQUACOLTURA IREPA ONLUS ASSOCIAZIONE	IT
9	INSTITUTE OF FISHING RESOURCES - VARNA	BG
10	WICKMEDIA FILM-UND FERNSENPRODUKTIONS GMBH	DE

At a glance

Framework: FP7

Project number: 265648

Acronym: CREAM

Title: Coordinating research in support to application of EAF (Ecosystem Approach to Fisheries) and management advice in the Mediterranean and Black Seas

Call: FP7-KBBE-2010-4

Instrument: CSA-CA - Coordinating action

Start date: 01/05/2011

End date: 30/04/2014

Duration: 36 months

Total Cost: € 1,237,119.16

EU Contribution: € 999,137.00

Consortium: 22 participants

Project coordinator: Mediterranean Agronomic Institute of Zaragoza / International Centre for Advanced Mediterranean Agronomic Studies, ES

CREAM

Coordinating research in support to application of EAF (Ecosystem Approach to Fisheries) and management advice in the Mediterranean and Black Seas

Abstract

The Coordinating Action (hereafter "the project") will establish an effective collaboration network among key role players in Mediterranean and Black Sea fisheries research and management. The participants in the project include national research institutes from Mediterranean and Black Sea countries with a long history and active participation in fisheries research and assessment, who provide advice to national, regional and international fisheries management organisms. The project will seek the active collaboration of regional and international fisheries management organisms as external participants in the project, in order to identify the gaps (in terms of data, knowledge, training, coordination) which hamper at present the full application of the Ecosystem Approach in the management of Mediterranean and Black Sea fisheries. The project will have a strong training and capacity building component in order to help harmonize data collection and methodologies used in fisheries assessment and management in the Mediterranean and Black Sea. The project will serve to establish the guidelines for the application of the Ecosystem Approach to Fisheries in the Mediterranean and Black Sea, both in EU member states and third countries. The project is organized in 6 workpackages: i) Project Coordination ii) Review of current knowledge in data collection and methodological practices in assessment and management iii) Identification of data needs, quality, harmonization, methodologies and models for EAF iv) Establishing coordination with the assessment and management international/regional bodies v) Training and capacity building. Symposium. Dissemination component vi) Strengthening the scientific basis of EAF application in Mediterranean and Black Sea fisheries

CREAM

Project's Participants List

Coordinating research in support to application of EAF (Ecosystem Approach to Fisheries) and management advice in the Mediterranean and Black Seas

Project's participants	Name	Country
1	Mediterranean Agronomic Institute of Zaragoza / International Centre for Advanced Mediterranean Agronomic Studies	ES
2	AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS	ES
3	HELLENIC CENTRE FOR MARINE RESEARCH	EL
4	CONSORZIO PER IL CENTRO INTERUNIVERSITARIO DI BIOLOGIA MARINA ED ECOLOGIA APPLICATA G. BACCI	IT
5	UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA	IT
6	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	FR
7	INSTITUT DE RECHERCHE POUR LE DEVELOPPEMENT	FR
8	INSTITUTO ESPANOL DE OCEANOGRAFIA	ES
9	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
10	INSTITUT NATIONAL DE RECHERCHE HALIEUTIQUE	MA
11	Institut National des Sciences et Technologies de la Mer	TN
12	EGE UNIVERSITESI	TR
13	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE MARINA GRIGORE ANTIPA	RO
14	INSTITUTE OF OCEANOLOGY - BULGARIAN ACADEMY OF SCIENCES	BG
15	RUSSIAN FEDERAL RESEARCH INSTITUTE OF FISHERIES AND OCEANOGRAPHY	RU
16	SOUTHERN SCIENTIFIC RESEARCH INSTITUTE OF MARINE FISHERIES AND OCEANOGRAPHY	UA
17	ALEXANDRIA UNIVERSITY	EG
18	INSTITUT ZA OCEANOGRAFIJU I RIBARSTVO	HR
19	American University of Beirut	LB
20	Ministry for Sustainable Development, the Environment and Climate Change	MT
21	MINISTRY OF AGRICULTURE, RURAL DEVELOPMENT AND ENVIRONMENT OF CYPRUS	CY
22	WATER ECOLOGY AND FISHERIES RESEARCH INSTITUTE UNION	GE

At a glance

Framework: FP7

Project number: 314194

Acronym: CSA OCEANS

Title: CSA Healthy and Productive Seas and Oceans

Call: FP7-SST-2012-RTD-1

Instrument: CSA-SA - Supporting action

Start date: 01/09/2012

End date: 31/08/2015

Duration: 36 months

Total Cost: € 2,337,279.60

EU Contribution: € 1,999,925.00

Consortium: 11 participants

Project coordinator: NORGES FORSKNINGSRAD, NO

CSA OCEANS

CSA Healthy and Productive Seas and Oceans

Abstract

CSA Oceans aims to reduce the time for the Joint Programming Initiative on Healthy and Productive Seas and Oceans (JPI Oceans) to move to the operational phase by: •Supporting the governance structures in its work to establish JPI Oceans; •Proposing procedures and tools for cooperation •Facilitating the development of a Strategic Research and Innovation Agenda Pressures on Seas and Oceans is recognized as a grand challenge providing an essential part of our wealth and well-being. Their vast resources offer a rare and significant potential for Blue Sustainable Growth. At the same time, the marine environment and its biodiversity are threatened by pressures from human activities and climate change. This calls for an integrated marine and maritime scientific approach to support ecosystem-based management of marine ecosystems and maritime activities. CSA Oceans project will take immediate actions to contribute to the development of the JPI Oceans Strategic Research and Innovation Agenda (SRIA) and an Implementation Plan (IPlan) which provide the basis for joint trans-national actions based on variable geometry . The project will identify actions in areas where the JPI can add value to the European Research Area (ERA) at a level with far greater impact than simple joint calls. CSA Oceans will facilitate the implementation of JPI Oceans. It will propose tools, procedures and structures for long-term governance and operational cooperation of the Joint Programming activities and the possibility to assess its impact. The project will look for best practices and innovative solution to propose new ways of interaction. The aim is to enhance dialogue and transfer of knowledge from science to policy and other end-user in particular in relation to the Marine Strategy Framework Directive. When CSA Oceans expires it is expected to have built the momentum for European cooperation, thereby making JPI Oceans self-sustained.

Project's Participants List

CSA OCEANS

CSA Healthy and Productive Seas and Oceans

Project's participants	Name	Country
1	NORGES FORSKNINGSRAD	NO
2	VLAAMS INSTITUUT VOOR DE ZEE VZW	BE
3	MINISTERIO DE ECONOMIA, INDUSTRIA Y COMPETITIVIDAD	ES
4	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	FR
5	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
6	NEDERLANDSE ORGANISATIE VOOR WETENSCHAPPELIJK ONDERZOEK	NL
7	NATURAL ENVIRONMENT RESEARCH COUNCIL	UK
8	KONSORTIUM DEUTSCHE MEERESFORSCHUNG e.V.	DE
9	FORSCHUNGSZENTRUM JULICH GMBH	DE
10	Unitatea Executiva pentru Finantarea Invatamantului Superior, a Cercetarii, Dezvoltarii si Inovarii	RO
11	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	UK

At a glance

Framework: FP7

Project number: 603805

Acronym: DANCERS

Title: DANube macroregion: Capacity building and Excellence in River Systems (basin, delta and sea)

Call: FP7-ENV-2013-one-stage

Instrument: CSA-CA - Coordinating action

Start date: 01/06/2013

End date: 31/05/2015

Duration: 24 months

Total Cost: € 1,174,993.60

EU Contribution: € 999,933.00

Consortium: 16 participants

Project coordinator: INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU GEOLOGIE SI GEOECOLOGIE MARINA-GEOECOMAR, RO

DANCERS

DANube macroregion: Capacity building and Excellence in River Systems (basin, delta and sea)

Abstract

The aim of this project is develop new instruments and tools that will enhance environmental research and promote innovation in Danube Region, including the Danube Delta and the Black Sea. Importantly, the new instruments and tools do not start ab initio but will build on existing projects – covering multiple source of funding (public, private or PPP), whether national, regional or European – which will be identified and clustered. The project will undertake a critical analysis of what has been achieved so far in the region and will build upon results of achievements to-date, to design innovative solutions to strengthen knowledge transfer in this area. This will be achieved by gathering top level representatives of the academia and business communities as well as decision makers, specialized in various sectors of integrated management of the Danube –Black Sea macrosystem. The project will be structured on the three main pillars of Research and Innovation (i. Science and Innovation Agenda, ii. Research Infrastructures and iii. Human Capital) – and their relation to the three principal categories of stakeholder: i. Policy and Decision Makers, ii. Business / Industry community and iii. Academia. The specific objectives of this project are to: 1. critically analyse the achievements in integrated river- delta –sea management in the Danube Region, 2. understand links between the achievements, deliverables and results of the work performed. 3. Define a set of instruments to enhance environmental research and innovation in Danube Region. The ultimate deliverable will be a toolbox of instruments which will yield 1. a strategic research agenda, 2. a concept and detailed plan of the distributed research infrastructure – both for the Danube – Black Sea Macrosystem and 3. Proposals for an integrated educational program to be implemented at a regional level in the immediate future, with the full cooperation of partners from Danube - Black Sea Macrosystem.

Project's Participants List

DANCERS

DANube macroregion: Capacity building and Excellence in River Systems (basin, delta and sea)

Project's participants	Name	Country
1	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU GEOLOGIE SI GEOECOLOGIE MARINA-GEOECOMAR	RO
2	CORILA - CONSORZIO PER IL COORDINAMENTO DELLE RICERCHE INERENTI AL SISTEMA LAGUNARE DI VENEZIA	IT
3	ZENTRUM FUR SOZIALE INNOVATION GMBH	AT
4	INSTITUTUL NATIONAL DE CERCERTARE DEZVOLTARE PENTRU STIINTE BIOLOGICE RA	RO
5	WasserCluster Lunz - Biologische Station GmbH	AT
6	UNIVERSITAET FUER BODENKULTUR WIEN	AT
7	CONSORCIO CENTRO INTERNACIONAL DE INVESTIGACION DE LOS RECURSOS COSTEROS	ES
8	HELLENIC CENTRE FOR MARINE RESEARCH	EL
9	THE UNIVERSITY OF STIRLING	UK
10	UNIVERSITY COLLEGE CORK - NATIONAL UNIVERSITY OF IRELAND, CORK	IE
11	Bundesanstalt fuer Gewaesserkunde	DE
12	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	FR
13	UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION -UNESCO	FR
14	UNIVERZITET U NOVOM SADU	RS
15	SZECHENYI ISTVAN UNIVERSITY	HU
16	ZENTRUM FUER SOZIALE INNOVATION	AT

At a glance

Framework: FP7

Project number: 308392

Acronym: DEVOTES

Title: DEVelopment Of innovative Tools for understanding marine biodiversity and assessing good Environmental Status

Call: FP7-ENV-2012-two-stage

Instrument: CP - Collaborative project (generic)

Start date: 01/11/2012

End date: 31/10/2016

Duration: 48 months

Total Cost: € 12,086,862.36

EU Contribution: € 8,997,984.62

Consortium: 25 participants

Project coordinator: FUNDACION AZTI - AZTI FUNDAZIOA, UK

DEVOTES

DEVelopment Of innovative Tools for understanding marine biodiversity and assessing good Environmental Status

Abstract

The objectives are to: (i) improve our understanding of human activities impacts (cumulative, synergistic, antagonistic) and variations due to climate change on marine biodiversity, using long-term series (pelagic and benthic). This objective will identify the barriers and bottlenecks (socio-economic and legislative) that prevent the GES being achieved (ii) test the indicators proposed by the EC, and develop new ones for assessment at species, habitats and ecosystems level, for the status classification of marine waters, integrating the indicators into a unified assessment of the biodiversity and the cost-effective implementation of the indicators (i.e. by defining monitoring and assessment strategies). This objective will allow for the adaptive management including (a) strategies & measures, (b) the role of industry and relevant stakeholders (including non-EU countries), and (c) provide an economic assessment of the consequences of the management practices proposed. It will build on the extensive work carried out by the Regional Seas Conventions (RSC) and Water Framework Directive, in which most of the partners have been involved (iii) develop/test/validate innovative integrative modelling tools to further strengthen our understanding of ecosystem and biodiversity changes (space & time); such tools can be used by statutory bodies, SMEs and marine research institutes to monitor biodiversity, applying both empirical and automatic data acquisition. This objective will demonstrate the utility of innovative monitoring systems capable of efficiently providing data on a range of parameters (including those from non-EU countries), used as indicators of GES, and for the integration of the information into a unique assessment The consortium has 23 partners, including 4 SMEs (close to 17% of the requested budget) and 2 non-EU partners (Ukraine & Saudi Arabia). Moreover, an Advisory Board (RSC & scientific international scientists) has been designed,to ensure a good relationship with stakeholders

Project's Participants List

DEVOTES

DEVelopment Of innovative Tools for understanding marine biodiversity and assessing good Environmental Status

Project's participants	Name	Country
1	OCEANDTM LIMITED*	UK
2	FUNDACION AZTI - AZTI FUNDAZIOA	ES
3	NORSK INSTITUTT FOR LUFTFORSKNING STIFTELSE	NO
4	SUOMEN YMPARISTOKESKUS	FI
5	AARHUS UNIVERSITET	DK
6	UNIVERSITY OF HULL	UK
7	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	UK
8	PLYMOUTH MARINE LABORATORY	UK
9	IMAR- INSTITUTO DO MAR	PT
10	INSTITUTE OF OCEANOLOGY - BULGARIAN ACADEMY OF SCIENCES	BG
11	JRC -JOINT RESEARCH CENTRE- EUROPEAN COMMISSION	EU
12	HELLENIC CENTRE FOR MARINE RESEARCH	EL
13	KLAIPEDOS UNIVERSITETAS	LT
14	AKVAPLAN-NIVA AS	NO
15	CONSORZIO NAZIONALE INTERUNIVERSITARIO PER LE SCIENZE DEL MARE ASSOCIAZIONE	IT
16	STICHTING NIOZ, KONINKLIJK NEDERLANDS INSTITUUT VOOR ONDERZOEK DER ZEE	NL
17	AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS	ES
18	DOKUZ EYLUL UNIVERSITESI	TR
19	MARINE HYDROPHYSICAL INSTITUTE - UKRAINIAN NATIONAL ACADEMY OF SCIENCES	UA
20	MariLim Gesellschaft fur Gewasseruntersuchung mbH	DE
21	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	FR
22	OCEANDTM LIMITED*	UK
23	ECOREACH SRL	IT
24	KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY	SA
25	SALT LOFOTEN AS	NO

At a glance

Framework: FP7

Project number: 333831

Acronym: DRISCS

Title: Dynamic Response and Instability of Seabed-Coastal Structure Systems under Waves

Call: FP7-PEOPLE-2012-CIG

Instrument: MC-CIG - Support for training and career development of researcher (CIG)

Start date: 01/12/2013

End date: 30/11/2017

Duration: 48 months

Total Cost: € 100,000.00

EU Contribution: € 100,000.00

Project coordinator and participant: ISTANBUL TEKNIK UNIVERSITESI, TR

DRISCS

Dynamic Response and Instability of Seabed-Coastal Structure Systems under Waves

Abstract

Marine infrastructure plays a vital role in relation to energy, environment and sustainable development. Coastal and offshore structures built to protect coastal regions and to provide renewable energy, constitute a significant part of marine infrastructure in Europe. The need for such structures is expected to grow rapidly in the future due to increase in magnitude and frequency of storms, the alarming trends in global energy demand and finite nature of oil and gas. While there is the issue of designing safer structures for coastal protection, there is also the need for more renewable energy such as placing more wind farms. Hence, design and analysis of such structures under cyclic and breaking waves that cause instabilities in these systems is of huge concern. Geotechnical aspects play a significant role in the initiation of these instabilities, particularly the dynamic response of seabed around these structures is necessary to mitigate associated hazard. Although progress has been made towards understanding of these processes and their impact on the stability of marine infrastructure, there still remains a significant need for a comprehensive study to understand the underlying mechanics, formulate models and develop computational tools for the response and instability of seabed-structure systems. The objective of the proposed project is to evaluate cyclic and breaking wave-induced response and instability of seabed around rubble-mound breakwaters and offshore wind turbines by providing solutions to wave-soil-structure interaction problem. The objectives will be achieved with a set of tasks to be completed through a stepwise process of developing mathematical formulations and solving numerical models which will be verified with available tests. This way, the main scientific aspects of the problem will be studied and design solutions will be provided. The results are expected to be valued by many engineers, researchers, students and public in this field in Europe.

At a glance

Framework: FP7

Project number: 312642

Acronym: E-AIMS

Title: Euro-Argo Improvements for the GMES Marine Service

Call: FP7-SPACE-2012-1

Instrument: CP-FP - Small or medium-scale focused research project

Start date: 01/01/2013

End date: 31/12/2015

Duration: 36 months

Total Cost: € 2,872,863.00

EU Contribution: € 1,990,817.00

Consortium: 16 participants

Project coordinator: INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER, FR

E-AIMS

Euro-Argo Improvements for the GMES Marine Service

Abstract

Argo is an international array of 3000 profiling floats that measure temperature and salinity throughout the deep global oceans, down to 2,000 metres. It is the single most important global in-situ observing system for the GMES Marine Service. Argo provides critical observations of the ocean interior that are required to constrain, together with satellite observations, GMES Marine Service modelling and forecasting systems. The European long-term contribution to Argo is organized as part of the Euro-Argo research infrastructure that will become in early 2012 a new European legal entity. The main challenges for Argo and Euro-Argo are 1/ to maintain the global array and ensure its long term sustainability and 2/ prepare the next phase of Argo with an extension towards biogeochemistry, the polar oceans, the marginal seas and the deep ocean. Meeting such challenges is essential for the long term sustainability and evolution of the GMES Marine Service. This requires major improvements in Argo float technology. New floats with improved capabilities are or will be soon available from float manufacturers. They require, however, extensive testing at sea before they can be used for operational monitoring. The Euro-Argo data centers need also to be upgraded so that they can handle these new floats. E-AIMS will organize an end-to-end evaluation of these floats (from float design down to the use by GMES). Observing System Evaluations and Sensitivity Experiments will also be conducted to provide robust recommendations for the next phase of Argo that take into account GMES Marine Service, seasonal/decadal climate forecasting and satellite validation requirements. E-AIMS will thus demonstrate the capability of the Euro-Argo infrastructure to conduct R&D driven by GMES needs and demonstrate that procurement, deployment and processing of floats for GMES can be organized at European level. These are key aspects for the long term sustainability of GMES in-situ component.

Project's Participants List

E-AIMS

Euro-Argo Improvements for the GMES Marine Service

Project's participants	Name	Country
1	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	FR
2	MET OFFICE	UK
3	ISTITUTO NAZIONALE DI OCEANOGRAFIA E DI GEOFISICA SPERIMENTALE	IT
4	NATURAL ENVIRONMENT RESEARCH COUNCIL	UK
5	KONINKLIJK NEDERLANDS METEOROLOGISCH INSTITUUT-KNMI	NL
6	INSTITUTO ESPANOL DE OCEANOGRAFIA	ES
7	HAVFORSKNINGSINSTITUTTET	NO
8	SOFIISKI UNIVERSITET SVETI KLIMENT OHRIDSKI	BG
9	INSTYTUT OCEANOLOGII POLSKIEJ AKADEMII NAUK	PL
10	HELMHOLTZ ZENTRUM FUR OZEANFORSCHUNG KIEL	DE
11	MERCATOR OCEAN	FR
12	ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA	IT
13	COLLECTE LOCALISATION SATELLITES SA	FR
14	ACRI-ST SAS	FR
15	AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS	ES
16	INSTITUTE OF OCEANOLOGY - BULGARIAN ACADEMY OF SCIENCES	BG

At a glance

Framework: FP7

Project number: 217991

Acronym: EFFISEC

Title: Efficient Integrated Security Checkpoints

Call: FP7-SEC-2007-1

Instrument: CP - Collaborative project (generic)

Start date: 01/05/2009

End date: 31/01/2014

Duration: 57 months

Total Cost: € 16,095,197.81

EU Contribution: € 10,034,837.00

Consortium: 18 participants

Project coordinator: SAFRAN IDENTITY & SECURITY, FR

EFFISEC

Efficient Integrated Security Checkpoints

Abstract

Illegal immigration and illicit material detection is a growing concern at the European borders; in that respect border security checkpoints must be particularly efficient against any kind of threat. If airport checkpoints controls are today technically improving, land and seaport checkpoints differ strongly from airports ones and are more complex to process. During the last years, most of the efforts were devoted to develop new solutions addressing new security challenges in airports. We can expect that very shortly authorities will have to guarantee the same level of security controls for all types of borders. The global objective of EFFISEC, a mission oriented project, is to deliver to border authorities more efficient technological equipment: • providing higher security level of identity and luggage control of pedestrians and passengers inside vehicles, at land and maritime checkpoints, • while maintaining or improving the flow of people crossing borders, • and improving work conditions of border inspectors, with more powerful capabilities, less repetitive tasks, and more ergonomic equipment. EFFISEC will provide border officers with up-to-dated technologies: • allowing systematic in depth controls of travellers, luggage and vehicles, for pedestrians and people inside vehicles, through the use of automatic gates and portable identity check and scanning equipment, • providing objective criteria for submitting some travellers/vehicles/luggage to an extensive check in specific lanes. Based on a detailed analysis of the operational requirements (including ergonomics, security and legal issues) for all types of borders, EFFISEC will focus on four technical key issues: documents and identity check, detection of illicit substances, video surveillance and secured communications. The technology proposed will be demonstrated for pedestrians, and travellers using cars and buses; standardisation aspects will be considered and results disseminated.

EFFISEC

Project's Participants List

Efficient Integrated Security Checkpoints

Project's participants	Name	Country
1	SELEX ES SPA	IT
2	SAFRAN IDENTITY & SECURITY	FR
3	THALES COMMUNICATIONS & SECURITY SAS	FR
4	THALES ELECTRON DEVICES SAS	FR
5	SELEX ES SPA	IT
6	SELEX ES SPA	IT
7	SMITHS HEIMANN GMBH	DE
8	Sociedad Europea de Analisis Diferencial de Movilidad SL	ES
9	Teknologian tutkimuskeskus VTT Oy	FI
10	TOTALFORSVARETS FORSKNINGSINSTITUT	SE
11	THE UNIVERSITY OF READING	UK
12	Ministry of Administration and Interior	RO
13	MICROWAVE CHARACTERIZATION CENTER	FR
14	ADMINISTRACAO DO PORTO DE LISBOA, SA	PT
15	THALES PORTUGAL SA	PT
16	SECALLIANCE SECURITES INFORMATIQUES SARL	FR
17	JRC -JOINT RESEARCH CENTRE- EUROPEAN COMMISSION	EU
18	MULTIX SA	FR

At a glance

Framework: FP7

Project number: 226740

Acronym: ENVIROGRIDS

Title: Building Capacity for a Black Sea Catchment Observation and Assessment System supporting Sustainable Development

Call: FP7-ENV-2008-1

Instrument: CP-SICA - Collaborative project for specific cooperation actions dedicated to international cooperation partner countries (SICA)

Start date: 01/04/2009

End date: 31/03/2013

Duration: 48 months

Total Cost: € 8,011,430.12

EU Contribution: € 6,222,574.00

Consortium: 30 participants

Project coordinator: UNIVERSITE DE GENEVE, CH

ENVIROGRIDS

Building Capacity for a Black Sea Catchment Observation and Assessment System supporting Sustainable Development

Abstract

The Black Sea Catchment is internationally known as one of ecologically unsustainable development and inadequate resource management, which has led to severe environmental, social and economic problems. EnviroGRIDS @ Black Sea Catchment aims at building the capacities of regional stakeholders to use new international standards to gather, store, distribute, analyze, visualize and disseminate crucial information on past, present and future states of the environment, in order to assess its sustainability and vulnerability. The EnviroGRIDS @ Black Sea Catchment project addresses these issues by bringing several emerging information technologies that are revolutionizing the way we are able to observe our planet. The Group on Earth Observation Systems of Systems (GEOSS) is building a data-driven view of our planet that feeds into models and scenarios. EnviroGRIDS aims at building the capacity of scientist to assemble such a system in the Black Sea Catchment, the capacity of decision-makers to use it, and the capacity of the general public to understand the important environmental, social and economic issues at stake. To achieve its objectives, EnviroGRIDS will build an ultra-modern Grid enabled Spatial Data Infrastructure (GSDI) that will become one component in the Global Earth Observation System of Systems (GEOSS), compatible with the new EU directive on Infrastructure for Spatial Information in the European Union (INSPIRE). EnviroGRIDS will particularly target the needs of the Black Sea Commission (BSC) and the International Commission for the Protection of the Danube River (ICPDR) in order to help bridging the gap between science and policy.

Project's Participants List

ENVIROGRIDS

Building Capacity for a Black Sea Catchment Observation and Assessment System supporting Sustainable Development

Project's participants	Name	Country
1	UNIVERSITE DE GENEVE	CH
2	Ceske centrum pro vedu a spolecnost	CZ
3	EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH	CH
4	EIDGENOESSISCHE ANSTALT FUER WASSERVERSORGUNG ABWASSERREINIGUNG UND GEWAESSERSCHUTZ	CH
5	GIS and RS Consulting Center GeoGraphic	GE
6	UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION -UNESCO	FR
7	UNIVERSITAT AUTONOMA DE BARCELONA	ES
8	UKRAINIAN SCIENTIFIC AND RESEARCH INSTITUTE OF ECOLOGICAL PROBLEMS	UA
9	ANTEA BELGIUM	BE
10	SAINT PETERSBURG STATE UNIVERSITY	RU
11	ISTANBUL TEKNIK UNIVERSITESI	TR
12	Melitopol State Pedagocical University	UA
13	arx iT Consulting	CH
14	BLACK SEA REGIONAL ENERGY CENTRE	BG
15	INSTITUTUL NATIONAL DE CERCETARE DEZVOLTARE PENTRU PROTECTIA MEDIULUI - ICIM BUCIRESTI	RO
16	DANUBE HYDROMETEOROLOGICAL OBSERVATORY OF STATE HYDROMETEOROLOGICAL SERVICE OF MINISTRY OF UKRAINE OF EMERGENCIES AND AFFAIRS OF POPULATION PROTECTION FROM CONSEQUENCES OF CHORNOBYL CATASTROPHE	UA
17	A.O. KOVALEVSKIY INSTITUTE OF BIOLOGY OF SOUTHERN SEAS	UA
18	INSTITUTUL DE GEOGRAFIE	RO
19	INSTITUTUL NATIONAL DE HIDROLOGIE SI GOSPODARIRE A APELOR	RO
20	ODESSA NATIONAL I.I. MECHNIKOV UNIVERSITY	UA
21	UNIVERSITATEA TEHNICA CLUJ-NAPOCA	RO
22	VITUKI KORNYEZETVEDELMI ES VIZGAZDALKODASI KUTATO INTEZET NONPROFIT KOZHASZNU KORLATOLT FELELOSSEGU TARSASAG	HU
23	THE COMMISSION ON THE PROTECTION OFTHE BLACK SEA AGAINST POLLUTION	TR
24	CENTRO DI RICERCA SVILUPPO E STUDI SUPERIORI IN SARDEGNA SOCIETA' A RESPONSABILITA' LIMITATA	IT
25	International Commission for the Protection of the Danube River	AT
26	NATIONAL INSTITUTE OF METEOROLOGY AND HYDROLOGY OF THE BULGARIAN ACADEMY OF SCIENCES	BG
27	TAURIDA NATIONAL V.I. VERNADSKY UNIVERSITY	UA
28	KOZEP-EUROPAI EGYETEM	HU

29	CEVRE VE ORMAN BAKANLIGI - TURKIYE CUMHURIYETI	TR
30	UNIVERSIDAD DE MALAGA	ES

At a glance

Framework: FP7

Project number: 604814

Acronym: ERA-MBT

Title: Marine Biotechnology ERA-NET

Call: FP7-ERANET-2013-RTD

Instrument: CSA-CA - Coordinating action

Start date: 01/12/2013

End date: 30/11/2017

Duration: 48 months

Total Cost: € 2,278,857.11

EU Contribution: € 1,999,838.00

Consortium: 20 participants

Project coordinator: NORGES FORSKNINGSRAD, NO

ERA-MBT

Marine Biotechnology ERA-NET

Abstract

The ERA-NET MarineBiotech (ERA-MBT) recognises that Europe's marine ecosystems and organisms are largely unexplored, understudied and underutilized, in spite of Europe's access to an extensive and diverse set of marine ecosystems, supporting an enormous marine biodiversity. This resource, through the coordinated application of marine biotechnology, has the potential to provide a major contribution towards addressing some of the most pressing societal challenges including environmental degradation, human health and delivering sustainable supplies of food and energy, amongst others regarded as the Grand Challenges for our future. The ERA-MBT is therefore designed to deliver better coordination of relevant national and regional Research, Technology Development and Innovation (RTDI) programmes in Europe, reducing fragmentation and duplication, and paving the way for common programmes and cooperation in the provision and use of research infrastructures. A necessity to make sustainable use of this unique resource. ERA-MBT's 21 partners will work with stakeholders from industry and organisations to identify needs and gaps in the value chain from research and development, through optimaising research results for proof of consept and industrial uptake and valorisation. At least three transnational calls will address these challenges, and cooperations with complementing activities will be explored to add value and power to enable the development of a horisontally applicable technology like marine biotechnology. For updated info: www.marinebiotech.eu

ERA-MBT

Project's Participants List

Marine Biotechnology ERA-NET

Project's participants	Name	Country
1	NORGES FORSKNINGSRAD	NO
2	VLAAMS INSTITUUT VOOR DE ZEE VZW	BE
3	FUNDACAO PARA A CIENCIA E A TECNOLOGIA	PT
4	RANNSOKNAMIDSTOD ISLANDS	IS
5	MARINE INSTITUTE	IE
6	STYRELSEN FOR FORSKNING OG UDDANNELSE	DK
7	FORSCHUNGSZENTRUM JULICH GMBH	DE
8	Unitatea Executiva pentru Finantarea Invatamantului Superior, a Cercetarii, Dezvoltarii si Inovarii	RO
9	MINISTERIO DE ECONOMIA, INDUSTRIA Y COMPETITIVIDAD	ES
10	Ministrstvo za izobrazevanje, znanost in sport	SI
11	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
12	AGENCE DE DEVELOPPEMENT ECONOMIQUE DE LA NOUVELLE CALEDONIE ASSOCIATION	FR
13	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	FR
14	AGENTSCHAP VOOR INNOVATIE DOOR WETENSCHAP EN TECHNOLOGIE	BE
15	FORSKNINGSRÅDET FÖR MILJÖ, AREELLA NÄRINGAR OCH SAMHÄLLSBYGGANDE	SE
16	DANMARKS TEKNISKE UNIVERSITET	DK
17	MATIS OHF	IS
18	VASTRA GOTALANDS LANS LANDSTING	SE
19	Innovasjon Norge	NO
20	BUNDESMINISTERIUM FUER BILDUNG UND FORSCHUNG	DE

At a glance

Framework: FP7

Project number: 608385

Acronym: EU CISE 2020

Title: EUropean test bed for the maritime Common Information Sharing Environment in the 2020 perspective

Call: FP7-SEC-2013-1

Instrument: CP-CSA - Combined Collaborative Project and Coordination and Support Action

Start date: 01/12/2014

End date: 31/01/2018

Duration: 38 months

Total Cost: € 16,890,124.96

EU Contribution: € 13,000,000.00

Consortium: 38 participants

Project coordinator: AGENZIA SPAZIALE ITALIANA, IT

EU CISE 2020

EUropean test bed for the maritime Common Information Sharing Environment in the 2020 perspective

Abstract

EU CISE 2020 is an important step towards the accomplishment of the European roadmap for CISE; the project attains the widest possible experimental environment of innovative and collaborative processes between European maritime institutions. EU CISE 2020 takes as reference a broad spectrum of factors in the field of European Integrated Maritime Surveillance, arising from the European legal framework, as well as from studies, pilot and R&D projects accomplished in the last three years; in particular, the project is based on: • the CISE Roadmap developed by DG MARE • the results of European pilot projects BluemassMed and MARSUNO, • the work performed by CISE TAG-Technical Advisory Group, • the European studies on maritime surveillance already carried out, • the results of Security research projects in progress, with particular reference to PERSEUS and SEABILLA • the needs of innovation expressed by the maritime stakeholders arising from their operational experience in managing maritime surveillance processes and systems at European, international and national levels. Under the guidance of a Stakeholder Board, EU CISE 2020 will manage in parallel the elaboration of the action plan for the operational validation of new elements of R&D needed to develop CISE (concepts of architecture, concepts of operation, standards of data and services, new services, new processes, ...), the development of an open European test bed for incremental advancement of CISE in the medium-long term, the independent Verification & Validation of the new elements of R&D, as well as the assessment of organizational instruments necessary to sustain the appropriate governance structure and to stimulate public-private cooperation. EU CISE 2020 draws a major space of opportunity for national and European maritime Institutions to collaboratively innovate their processes and systems, and for European enterprises to develop a new range of solutions and services competitive in the international market.

Project's Participants List

EU CISE 2020

EUropean test bed for the maritime Common Information Sharing Environment in the 2020 perspective

Project's participants	Name	Country
1	AGENZIA SPAZIALE ITALIANA	IT
2	MINISTERO DELLA DIFESA	IT
3	MINISTERO DELL'ECONOMIA E DELLE FINANZE	IT
4	Italian Ministry of Infrastructure and Transports	IT
5	MINISTERIO DE DEFENSA DE ESPAÑA	ES
6	MINISTERIO DEL INTERIOR	ES
7	MINISTERIO DE FOMENTO	ES
8	EUROPEAN UNION SATELLITE CENTRE	ES
9	Swedish Coast Guard	SE
10	MINISTRY OF THE INTERIOR	FI
11	LIIKENNEVIRASTO	FI
12	LIIKENTEEN TURVALLISUUSVIRASTO	FI
13	MINISTRY OF TRANSPORT, INFORMATION TECHNOLOGIES AND COMMUNICATIONS	BG
14	SAMFERDSELSDEPARTEMENTET - MINISTRY OF TRANSPORT AND COMMUNICATIONS	NO
15	LAUREA-AMMATTIKORKEAKOULU OY	FI
16	UNIVERSITY OF CYPRUS	CY
17	AGENZIA PER LA PROMOZIONE DELLA RICERCA EUROPEA	IT
18	ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA	IT
19	FONDAZIONE CENTRO EURO-MEDITERRANEO SUI CAMBIAMENTI CLIMATICI	IT
20	DANMARKS METEOROLOGISKE INSTITUT	DK
21	STIFTELSEN NANSEN SENTER FOR MILJOOG FJERNMALING	NO
22	AGENCIA ESTATAL DE ADMINISTRACION TRIBUTARIA	ES
23	CORK INSTITUTE OF TECHNOLOGY	IE
24	DIRECAO-GERAL DE POLITICA DO MAR	PT
25	EXECUTIVE AGENCY MARITIME ADMINISTRATION	BG
26	NATIONAL CENTER FOR SCIENTIFIC RESEARCH "DEMOKRITOS"	EL
27	INSPECTORATUL GENERAL AL POLITIEI DE FRONTIERA	RO
28	FINNISH NAVY	FI
29	BUNDESMINISTERIUM FUER VERKEHR UND DIGITALE INFRASTRUKTUR DIG	DE
30	MINISTRY OF NATIONAL DEFENCE, GREECE	EL
31	MINISTRY OF MARITIME AFFAIRS AND INSULAR POLICY/HELLENIC COAST GUARD	EL
32	MERCATOR OCEAN	FR
33	MINISTERO DELLO SVILUPPO ECONOMICO	IT

34	TOSATO GIANLUIGI	IT
35	DEPARTMENT FOR TRANSPORT	UK
36	LINK CAMPUS UNIVERSITY	IT
37	Wise Pens International Limited	UK
38	Ministry of Citizens Protection	EL

EU4SEAS

The EU and sub-regional multilateralism in Europe's sea basins: neighbourhood, enlargement and multilateral cooperation

At a glance

Framework: FP7

Project number: 225382

Acronym: EU4SEAS

Title: The EU and sub-regional multilateralism in Europe's sea basins: neighbourhood, enlargement and multilateral cooperation

Call: FP7-SSH-2007-1

Instrument: CP-FP - Small or medium-scale focused research project

Start date: 01/01/2009

End date: 31/12/2011

Duration: 36 months

Total Cost: € 1,509,217.50

EU Contribution: € 1,173,475.00

Consortium: 8 participants

Project coordinator: Centre for International Information and Documentation in Barcelona, ES

Abstract

Closed seas play very diverse roles in relations between their bordering states: they unite and separate, they are a place of transit, a shared space, an element of joint identity, a common heritage. This project focuses on four closed sea basins: those of the Mediterranean, Caspian, Baltic and Black seas. Those basins were theatres for strategic competition between the Soviet Union and the United States during the Cold War and acquired since 1989 a new centrality in co-operation amongst neighbouring states, with a wealth of sub-regional multilateral agreements and institutions flourishing in a few years. All four basins are crucial to the European Union, and the EU is at the same time a crucial actor in them. Its policies have an impact not only in each country, but also on collective efforts at sub-regional level. This is a seldom analysed phenomenon: that of the relationship between a uniquely successful international organisation with a nature of its own, the European Union, and the smaller sub-regional multilateral structures and agreements. Compared to the huge attraction that the EU exerts, which has been a catalyser for stability, change and reconciliation in a number of European countries, sub-regional multilateral institutions have proved their relative weakness. However, their role in a number of areas (from stability and conflict resolution, to environmental issues) has been and still is important. This project aims to evaluate their main achievements and failures, and the areas in which they have been most successful. At the same time, it aims to analyse how EU membership and EU policies impact on multilateral co-operation around the sea basins, and how the EU and other multilateral organisations and initiatives can co-operate in achieving their shared objectives. In the end, the project will explore what would be the benefits of a specific approach of the EU for each of the four basins, in co-operation with the existing sub-regional multilateralism.

Project's Participants List

EU4SEAS

The EU and sub-regional multilateralism in Europe's sea basins: neighbourhood, enlargement and multilateral cooperation

Project's participants	Name	Country
1	Centre for International Information and Documentation in Barcelona	ES
2	MIDDLE EAST TECHNICAL UNIVERSITY	TR
3	SIHTASUTUS RAHVUSVAHELINE KAITSEUURINGUTE KESKUS	EE
4	MIZHNARODNIY CENTR PERSPEKTIVNIH DOSLIDZHEN INTERNATIONAL CIVIC ORGANIZATION	UA
5	ISTITUTO AFFARI INTERNAZIONALI	IT
6	HASKOLI ISLANDS	IS
7	CONFERENCE DES REGIONS PERIPHERIQUES MARITIMES D EUROPE - ASSOCIATION	FR
8	MILLI VE BEYNELXALQ ARASDIRMALAR MERKEZI ASSOCIATION	AZ

At a glance

Framework: FP7

Project number: 228344

Acronym: EUROFLEETS

Title: TOWARDS AN ALLIANCE OF EUROPEAN RESEARCH FLEETS

Call: FP7-INFRASTRUCTURES-2008-1

Instrument: CP-CSA-INFRA - Integrating Activities / e-Infrastructures

Start date: 01/09/2009

End date: 31/08/2013

Duration: 48 months

Total Cost: € 8,945,202.12

EU Contribution: € 7,200,000.00

Consortium: 24 participants

Project coordinator: INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER, FR

EUROFLEETS

TOWARDS AN ALLIANCE OF EUROPEAN RESEARCH FLEETS

Abstract

The quality of the infrastructures available for marine research affects directly Europe research performance. So marine research infrastructures are considered as key elements of the European Strategy for Marine Research under development. A coherent pan-European approach with enhanced partnership in investment, development and usage of fleets, will have a significant impact to better meet the diverse needs of European marine research. The EUROFLEETS process is based on the recommendations of a recent MB-ESF report. It aims at bringing together the European research fleets owners to enhance their coordination and promote the cost-effective use of their facilities. It will support research services for the monitoring and the sustainable management of the Regional Seas and the Oceans, and will organise a common access to all European scientists on sole condition of scientific excellence. This would enable the EU to reach its ambitious goals about maintaining the ocean biodiversity or understanding climate change. EUROFLEETS aims at: •Working upon common procurement strategy, and build corresponding roadmap on prospective sound bases, •Structuring and durably coordinating, through an e-platform, the way that the research vessels are operated and their interoperability capacities, •Using more cost efficiently the existing European fleets and associated equipment in the frame of the European research Area, •Promoting greener and sustainable research vessel and underwater vehicle operations and design, •Providing all European researchers with access to 19 high performing research vessels from 15 different countries, •Fostering coordinated and joint development of European fleets, thanks to new interoperable software and underwater vehicle payloads, •Developing training and education at sea, •Promoting innovative e-access, •Participating to the European efforts to stay at first rank in the international scientific arena.

European Commission

EUROFLEETS

Project's Participants List

TOWARDS AN ALLIANCE OF EUROPEAN RESEARCH FLEETS

Project's participants	Name	Country
1	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	FR
2	ALFRED-WEGENER-INSTITUT HELMHOLTZ- ZENTRUM FUER POLAR- UND MEERESFORSCHUNG	DE
3	ISTITUTO NAZIONALE DI OCEANOGRAFIA E DI GEOFISICA SPERIMENTALE	IT
4	INSTITUTO ESPANOL DE OCEANOGRAFIA	ES
5	HELLENIC CENTRE FOR MARINE RESEARCH	EL
6	NATURAL ENVIRONMENT RESEARCH COUNCIL	UK
7	FUNDACAO PARA A CIENCIA E A TECNOLOGIA	PT
8	MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN EV	DE
9	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
10	MIDDLE EAST TECHNICAL UNIVERSITY	TR
11	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU GEOLOGIE SI GEOECOLOGIE MARINA-GEOECOMAR	RO
12	MARINE INSTITUTE	IE
13	AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS	ES
14	INSTITUT ROYAL DES SCIENCES NATURELLES DE BELGIQUE	BE
15	INSTYTUT OCEANOLOGII POLSKIEJ AKADEMII NAUK	PL
16	INSTITUT POLAIRE FRANCAIS PAUL EMILE VICTOR	FR
17	INSTITUTE OF OCEANOLOGY - BULGARIAN ACADEMY OF SCIENCES	BG
18	UNIVERSITAET BREMEN	DE
19	MARIENE INFORMATIE SERVICE MARIS BV	NL
20	FUNDACAO EUROCEAN	PT
21	TALLINNA TEHNIKAULIKOOL	EE
22	VLAAMS INSTITUUT VOOR DE ZEE VZW	BE
23	HAVFORSKNINGSINSTITUTTET	NO
24	STICHTING WAGENINGEN RESEARCH	NL

At a glance

Framework: FP7

Project number: 312762

Acronym: EUROFLEETS2

Title: New operational steps towards an alliance of European research fleets

Call: FP7-INFRASTRUCTURES-2012-1
Instrument:

Start date: 01/03/2013

End date: 30/06/2017

Duration: 52 months

Total Cost: € 10,875,660.13

EU Contribution: € 9,000,000.00

Consortium: 31 participants

Project coordinator: INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER, FR

EUROFLEETS2

New operational steps towards an alliance of European research fleets

Abstract

EUROFLEETS2 is the enhancement of EUROFLEETS1, with the aim of developing a new pan-European distributed infrastructure with common strategic vision and coordinated access to Research Vessels (RVs) and marine equipment. EUROFLEETS2 will furthermore undertake specific actions to consolidate research fleets' organization, methodology and tools through operational initiatives (like virtual fleets) leading to more interoperable and cost effective European research fleets. EUROFLEETS2 main objectives are: * Promotion of operational coordination and integration of RVs. Modern European RVs are made accessible under EUROFLEETS2 (8 of Ocean/Global class and 14 of Regional class) plus 6 mobile pieces of equipment. Further integration is proposed within an innovative multi-platform experiment. The corresponding call aims to identify a flagship proposal, with a proven scientific excellence; * Completion of strategic perspectives for the European research fleets with a polar component; * Promotion of exchanges of mobile equipment on board European RVs to foster interoperability; * Enhancing the impact of research fleets on innovation by fostering the involvement of industry in specific activities, both as end user (e.g. development and testing of new equipment or deep-sea exploration for new resources) or as supplier; * Development of new training actions including a pilot floating university, and of new technological innovations to be widely used on board European RVs; * Making a new step towards a long term sustainable group of European Regional RVs with a view to applying for its insertion into the ESFRI roadmap.

European Commission

Project's Participants List

EUROFLEETS2

New operational steps towards an alliance of European research fleets

Project's participants	Name	Country
1	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	FR
2	ALFRED-WEGENER-INSTITUT HELMHOLTZ- ZENTRUM FUER POLAR- UND MEERESFORSCHUNG	DE
3	ISTITUTO NAZIONALE DI OCEANOGRAFIA E DI GEOFISICA SPERIMENTALE	IT
4	INSTITUTO ESPANOL DE OCEANOGRAFIA	ES
5	HELLENIC CENTRE FOR MARINE RESEARCH	EL
6	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
7	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU GEOLOGIE SI GEOECOLOGIE MARINA-GEOECOMAR	RO
8	MARINE INSTITUTE	IE
9	AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS	ES
10	INSTITUT ROYAL DES SCIENCES NATURELLES DE BELGIQUE	BE
11	INSTYTUT OCEANOLOGII POLSKIEJ AKADEMII NAUK	PL
12	INSTITUT POLAIRE FRANCAIS PAUL EMILE VICTOR	FR
13	INSTITUTE OF OCEANOLOGY - BULGARIAN ACADEMY OF SCIENCES	BG
14	UNIVERSITAET BREMEN	DE
15	MARIENE INFORMATIE SERVICE MARIS BV	NL
16	FUNDACAO EUROCEAN	PT
17	TALLINNA TEHNIKAULIKOOL	EE
18	VLAAMS INSTITUUT VOOR DE ZEE VZW	BE
19	HAVFORSKNINGSINSTITUTTET	NO
20	DANMARKS TEKNISKE UNIVERSITET	DK
21	POLARFORSKNINGSSEKRETARIETET	SE
22	TURKIYE BILIMSEL VE TEKNOLOJIK ARASTIRMA KURUMU	TR
23	FONDATION EUROPEENNE DE LA SCIENCE	FR
24	GRONLANDS NATURINSTITUT	GL
25	HAVSTOVAN	FO
26	INSTITUT ZA OCEANOGRAFIJU I RIBARSTVO	HR
27	SVEUCILISTE U ZAGREBU FAKULTET ELEKTROTEHNIKE I RACUNARSTVA	HR
28	UNIVERSITAT DE GIRONA	ES
29	DEUTSCHES FORSCHUNGSZENTRUM FUR KUNSTLICHE INTELLIGENZ GMBH	DE
30	PROLLION SAS	FR
31	SHIP STUDIO SARL	FR

At a glance

Framework: FP7

Project number: 605420

Acronym: HEXATERRA

Title: The development of a modular 'stepping locomotion' system for installation on subsea trenching machines used for subsea energy cable burial

Call: FP7-SME-2013

Instrument: BSG-SME - Research for SMEs

Start date: 01/09/2013

End date: 30/11/2015

Duration: 27 months

Total Cost: € 1,571,697.20

EU Contribution: € 1,198,997.50

Consortium: 9 participants

Project coordinator: INNORA PROIGMENA TECHNOLOGIKA SYSTIMATA KAI YPIRESIES AE, EL

HEXATERRA

The development of a modular 'stepping locomotion' system for installation on subsea trenching machines used for subsea energy cable burial

Abstract

Offshore wind and tidal energy generation is becoming an increasingly important component of the world's energy mix with Europe at the forefront of this technological revolution. Continued strong growth is predicted. However, a growing problem is manifesting itself within the industry. The submarine cables that are an essential infrastructural component of offshore energy now account for 80% of insurance claims related offshore renewables. Unfortunately, current practice is to simply lay these cables on top of the seabed without burial or protection, as the traditional tracked trenching machines originally developed for deep sea oil and gas applications are inadequate for the harsh coastal terrain. Cables are therefore exposed to numerous risks such as tidal forces, rock abrasion, snagging from fishing nets etc. Furthermore, unburied HV cables present serious environmental concerns related to local habitat & water temperature. Existing technologies cannot address this growing problem. HexaTerra will develop a novel solution to the problem that builds upon recent advances made in 'stepping' locomotion systems for traversing undulated harsh terrain. This system will provide a robust solution for its environment, by achieving the following objectives: modular design suited to existing trenching machines; mechanical movement subsystem with

Project's Participants List

HEXATERRA

The development of a modular 'stepping locomotion' system for installation on subsea trenching machines used for subsea energy cable burial

Project's participants	Name	Country
1	INNORA PROIGMENA TECHNOLOGIKA SYSTIMATA KAI YPIRESIES AE	EL
2	AIR POWER AND HYDRAULICS LIMITED	UK
3	TECHNOSAM SRL	RO
4	NEVIANA BOUMBAROVA	BG
5	SUALTI SISTEMLERI TEKNOLOJI GELISTIRME SANAYI TICARET LIMITED SIRKETI	TR
6	NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA	EL
7	THE UK INTELLIGENT SYSTEMS RESEARCH INSTITUTE LIMITED	UK
8	SOIL MACHINE DYNAMICS LIMITED	UK
9	NORTON HYDRAULICS (MIDLAND) LIMITED	UK

At a glance

Framework: FP7

Project number: 226213

Acronym: HYPOX

Title: In situ monitoring of oxygen depletion in hypoxic ecosystems of coastal and open seas, and land-locked water bodies

Call: FP7-ENV-2008-1

Instrument: CP-FP - Small or medium-scale focused research project

Start date: 01/04/2009

End date: 31/03/2012

Duration: 36 months

Total Cost: € 4,665,281.20

EU Contribution: € 3,499,710.90

Consortium: 18 participants

Project coordinator: MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN EV, DE

HYPOX

In situ monitoring of oxygen depletion in hypoxic ecosystems of coastal and open seas, and land-locked water bodies

Abstract

Hypoxic (low oxygen) conditions in aquatic ecosystems increase in number, duration and extent due to global warming and eutrophication. Global warming will lead to degassing of oxygen, increased stratification, reduced deep-water circulation and changes in wind patterns affecting transport and mixing. Projected increases in hypoxia (e.g. doubling of “dead zones”) are accompanied by enhanced emission of greenhouse gases, losses in biodiversity, ecosystem functions and services such as fisheries, aquaculture and tourism. A better understanding of global changes in oxygen depletion requires a global observation system continuously monitoring oxygen at high resolution, including assessment of the role of the seafloor in controlling the sensitivity of aquatic systems to and recovery from hypoxia. Here we propose to monitor oxygen depletion and associated processes in aquatic systems that differ in oxygen status or sensitivity towards change: open ocean, oxic with high sensitivity to global warming (Arctic), semi-enclosed with permanent anoxia (Black Sea, Baltic Sea) and seasonally or locally anoxic land-locked systems (fjords, lagoons, lakes) subject to eutrophication. We will improve the capacity to monitor oxygen depletion globally, by implementing reliable long-term sensors to different platforms for in situ monitoring; and locally by training and implementing competence around the Black Sea. Our work will contribute to GEOSS tasks in the water, climate, ecosystem and biodiversity work plans, and comply to GEOSS standards by sharing of observations and products with common standards and adaptation to user needs using a state of the art world data centre. We will connect this project to the GOOS Regional Alliances and the SCOR working group and disseminate our knowledge to local, regional and global organisations concerned with water and ecosystem health and management.

Project's Participants List

HYPOX

In situ monitoring of oxygen depletion in hypoxic ecosystems of coastal and open seas, and land-locked water bodies

Project's participants	Name	Country
1	MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN EV	DE
2	ALFRED-WEGENER-INSTITUT HELMHOLTZ- ZENTRUM FUER POLAR- UND MEERESFORSCHUNG	DE
3	EIDGENOESSISCHE ANSTALT FUER WASSERVERSORGUNG ABWASSERREINIGUNG UND GEWAESSERSCHUTZ	CH
4	A.O. KOVALEVSKIY INSTITUTE OF BIOLOGY OF SOUTHERN SEAS	UA
5	HELMHOLTZ ZENTRUM FUR OZEANFORSCHUNG KIEL	DE
6	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	FR
7	ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA	IT
8	LEIBNIZ-INSTITUT FUR OSTSEEFORSCHUNG WARNEMUNDE STIFTUNG	DE
9	ISTANBUL TEKNIK UNIVERSITESI	TR
10	UNIVERSITAET BREMEN	DE
11	THE SCOTTISH ASSOCIATION FOR MARINESCIENCE LBG	UK
12	GOETEBORGS UNIVERSITET	SE
13	PANEPISTIMIO PATRON	EL
14	HELMHOLTZ-ZENTRUM GEESTHACHT ZENTRUM FUR MATERIAL- UND KUSTENFORSCHUNG GMBH	DE
15	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU GEOLOGIE SI GEOECOLOGIE MARINA-GEOECOMAR	RO
16	KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN - KNAW	NL
17	STICHTING NIOZ, KONINKLIJK NEDERLANDS INSTITUUT VOOR ONDERZOEK DER ZEE	NL
18	HELMHOLTZ ZENTRUM FUR OZEANFORSCHUNG KIEL	DE

IASON

Fostering sustainability and uptake of research results through Networking activities in Black Sea & Mediterranean areas

At a glance

Framework: FP7

Project number: 603534

Acronym: IASON

Title: Fostering sustainability and uptake of research results through Networking activities in Black Sea & Mediterranean areas

Call: FP7-ENV-2013-one-stage

Instrument: CSA-CA - Coordinating action

Start date: 01/06/2013

End date: 31/05/2015

Duration: 24 months

Total Cost: € 1,156,658.47

EU Contribution: € 998,173.00

Consortium: 14 participants

Project coordinator: ARISTOTELIO PANEPISTIMIO THESSALONIKIS, EL

Abstract

IASON Project has the ultimate goal to establish a permanent and sustainable Network of scientific and non-scientific institutions, stakeholders and private sector enterprises belonging in the EU and third countries located in two significant areas: The Mediterranean and the Black Sea regions. The main focal points of the project will be the usage and application of Earth Observation (EO) in the following topics: • climate change • resource efficiency • raw materials management IASON aims to build on the experiences gained by 5 FP7 funded projects, OBSERVE, enviroGRIDS, GEONETCab, EGIDA, and BalkanGEONet. All of the above projects focused on enhancing EO capacities, knowledge and technology in the EU and in neighborhood countries. During their execution time they managed to establish links with a critical mass of research institutions, organizations, public organizations, stakeholders, and policy makers in the Balkan region, the Mediterranean, and the Black Sea Basin. IASON intends to create the proper conditions for enhancing knowledge transfer capacity building, and market opportunities in using EO applications and mechanisms in specific research fields that are addressing climate actions resource efficiency and raw materials management. In order to achieve its goal IASON will engage in • Visible and effective capacity building and knowledge transfer activities with Third countries' research institutes and organizations, stakeholders and policy makers through the organization of two training workshops (one in each region). • Demonstration of market opportunities through uptake of results from three projects (PEGASO, enviroGRIDS, and IMPACTMIN), best case scenarios and success stories. • Identification of projects and networks, using the regional partners' contacts in the Third Countries, along with input from training workshops, and Advisory Board Members in the thematic fields that have potential for future cooperation. • Liaise and coordinate dissemination activities with other projects dealing with research and innovation cooperation for the Societal Challenge 5 of Horizon 2020 • Creation of an innovative web based common information platform with information regarding clustering projects that demonstrate synergy potential, networking tools that will enhance communication between interesting parties.

Project's Participants List

IASON

Fostering sustainability and uptake of research results through Networking activities in Black Sea & Mediterranean areas

Project's participants	Name	Country
1	ARISTOTELIO PANEPISTIMIO THESSALONIKIS	EL
2	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
3	UNIVERZITET U NOVOM SADU	RS
4	UNIVERSITE DE GENEVE	CH
5	NOORT HARMANNUS CONRADUS PIETER	NL
6	GEOIMAGING LIMITED	CY
7	Istituto Superiore per la Protezione e la Ricerca Ambientale	IT
8	Centro Internazionale in Monitoraggio Ambientale - Fondazione CIMA	IT
9	CENTRE REGIONAL AFRICAIN DES SCIENCES ET TECHNOLOGIES DE L'ESPACE	MA
10	SVEUCILISTE U SPLITU (UNIVERSITY OF SPLIT)	HR
11	EKINOKS HARITA YAZILIM MUHENDISLIK SANAYI VE TICARET LIMITED SIRKETI	TR
12	GIS and RS Consulting Center GeoGraphic	GE
13	UNIVERSITATEA TEHNICA CLUJ-NAPOCA	RO
14	AGENCE DE PROTECTION ET D'AMENAGEMEMENT DU LITTORAL	TN

At a glance

Framework: FP7

Project number: 262584

Acronym: JERICO

Title: TOWARDS A JOINT EUROPEAN RESEARCH INFRASTRUCTURE NETWORK FOR COASTAL OBSERVATORIES

Call: FP7-INFRASTRUCTURES-2010-1

Instrument: CP-CSA-INFRA - Integrating Activities / e-Infrastructures

Start date: 01/05/2011

End date: 30/04/2015

Duration: 27 months

Total Cost: € 8,877,321.78

EU Contribution: € 6,500,000.00

Consortium: 48 participants

Project coordinator: INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER, FR

JERICO

TOWARDS A JOINT EUROPEAN RESEARCH INFRASTRUCTURE NETWORK FOR COASTAL OBSERVATORIES

Abstract

Around European coastal seas, the number of marine observing systems is quickly increasing under the pressure of both monitoring requirements and oceanographic research. Present demands for such systems include reliable, high-quality and comprehensive observations, automated platforms and sensors systems, as well as autonomy over long time periods. In-situ data collected, combined with remote sensing and models output, contribute to detect, understand and forecast the most crucial coastal processes over extensive areas within the various national and regional marine environments. Coastal observations are an important part of the marine research puzzle of activities and applications. However significant heterogeneity exists in Europe concerning technological design of observing systems, measured parameters, practices for maintenance and quality control, as well as quality standards for sensors and data exchange. Up to now, the expansion of “coastal observatories” has been driven by domestic interests and mainly undertaken through short-term research projects. Therefore the main challenge for the research community is now to increase the coherence and the sustainability of these dispersed infrastructures by addressing their future within a shared pan-European framework. This is the main objective of JERICO, which proposes a Pan European approach for a European coastal marine observatory network, integrating infrastructure and technologies such as moorings, drifters, ferrybox and gliders. Networking activities will lead to the definitions of best practices for design, implementation, maintenance and distribution of data of coastal observing systems, as well as the definition of a quality standard. Harmonisation and strengthening coastal observation systems within EuroGOOS regions will be sought. Unique twin Trans National Access experiments will be carried out in order to reveal the potential of datasets used in synergy. Central coastal infrastructure in Europe will be opened for international research. This will among other benefits GMES and European contribution to climate change research. New joint research will be conducted in order to identify new and strategic technologies to be implemented in the next generation European coastal observatories. Focus is given on emerging technologies and the biochemical compartment. JERICO intends to contribute to the international and global effort on climate change research (GEOSS), to provide coastal data inputs for operational ocean observing and forecasting, and also to answer to some of the needs of the environmental research and societal communities.

European Commission

JERICO

Project's Participants List

TOWARDS A JOINT EUROPEAN RESEARCH INFRASTRUCTURE NETWORK FOR COASTAL OBSERVATORIES

Project's participants	Name	Country
1	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	FR
2	SUOMEN YMPARISTOKESKUS	FI
3	INSTYTUT BUDOWNICTWA WODNEGO POLSKIEJ AKADEMII NAUK	PL
4	DANMARKS METEOROLOGISKE INSTITUT	DK
5	NORSK INSTITUTT FOR VANNFORSKNING	NO
6	HAVFORSKNINGSINSTITUTTET	NO
7	STICHTING DELTARES	NL
8	ISTITUTO NAZIONALE DI OCEANOGRAFIA E DI GEOFISICA SPERIMENTALE	IT
9	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
10	UNIVERSITA TA MALTA	MT
11	HELLENIC CENTRE FOR MARINE RESEARCH	EL
12	NATURAL ENVIRONMENT RESEARCH COUNCIL	UK
13	ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA	IT
14	HELMHOLTZ-ZENTRUM GEESTHACHT ZENTRUM FUR MATERIAL- UND KUSTENFORSCHUNG GMBH	DE
15	INSTITUT ROYAL DES SCIENCES NATURELLES DE BELGIQUE	BE
16	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	UK
17	SVERIGES METEOROLOGISKA OCH HYDROLOGISKA INSTITUT	SE
18	AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS	ES
19	STICHTING NIOZ, KONINKLIJK NEDERLANDS INSTITUUT VOOR ONDERZOEK DER ZEE	NL
20	MARINE INSTITUTE	IE
21	BLUE LOBSTER IT LIMITED	UK
22	FUNDACION AZTI - AZTI FUNDAZIOA	ES
23	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	FR
24	INSTITUTO HIDROGRAFICO	PT
25	INSTITUTE OF OCEANOLOGY - BULGARIAN ACADEMY OF SCIENCES	BG
26	Puertos del Estado	ES
27	FONDAZIONE CENTRO EURO-MEDITERRANEO SUI CAMBIAMENTI CLIMATICI	IT

At a glance

Framework: FP7

Project number: 226675

Acronym: KNOWSEAS

Title: Knowledge-based Sustainable Management for Europe's Seas

Call: FP7-ENV-2008-1

Instrument: CP-IP - Large-scale integrating project

Start date: 01/04/2009

End date: 30/06/2013

Duration: 51 months

Total Cost: € 7,403,128.46

EU Contribution: € 5,764,200.00

Consortium: 34 participants

Project coordinator: THE SCOTTISH ASSOCIATION FOR MARINESCIENCE LBG, UK

KNOWSEAS

Knowledge-based Sustainable Management for Europe's Seas

Abstract

Europe's four regional seas (Baltic, Black, Mediterranean and NE Atlantic) have suffered severe environmental degradation due to human pressure. Existing measures to manage pressures have proven inadequate and the EC has responded by proposing a new policy (Maritime Strategy Blue Book) and environmental legislation (Marine Strategy Directive), both currently close to adoption. These instruments rely on the Ecosystem Approach, a management paradigm that encompasses humans and the supporting ecosystem. But the science base for this approach needs strengthening and practical tools must be developed and tested for policy implementation. In particular, criteria for assessing costs and benefits of management actions are poorly developed, particularly in the complex marine environment where multiple uses and management conflicts are common. The KnowSeas consortium will strengthen the science base for managing Europe's seas through the practical application of systems thinking. It will work at the two scales envisaged for emergent EU policy: the Regional Sea Scale and Member State Economic Exclusive Zones (EEZs). We have developed a new approach of Decision Space Analysis to investigate mismatches of scale. Knowledge created through the FP6 European Lifestyles and Marine Ecosystems project, augmented with necessary new studies of climate effects, fisheries and maritime industries - in EEZ case studies - will provide a basis for assessing changes to natural systems and their human causes. New research will examine and model economic and social impacts of changes to ecosystem goods and services and costs and benefits of various management options available through existing and proposed policy instruments. Institutional and social analysis will determine conflicts of interest and examine governance as well as stakeholder values and perceptions. Our research will develop and test an assessment toolbox through regional liaison groups and a multisectoral Project Advisory Board.

European Commission

KNOWSEAS

Project's Participants List

Knowledge-based Sustainable Management for Europe's Seas

Project's participants	Name	Country
1	THE SCOTTISH ASSOCIATION FOR MARINESCIENCE LBG	UK
2	ALFRED-WEGENER-INSTITUT HELMHOLTZ- ZENTRUM FUER POLAR- UND MEERESFORSCHUNG	DE
3	STOCKHOLMS UNIVERSITET	SE
4	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	UK
5	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
6	AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS	ES
7	STICHTING DELTARES	NL
8	CTL CONSULT LTD	UK
9	Coastal & Marine Union	NL
10	HELMHOLTZ-ZENTRUM GEESTHACHT ZENTRUM FUR MATERIAL- UND KUSTENFORSCHUNG GMBH	DE
11	INSTITUTE FOR EUROPEAN ENVIRONMENTAL POLICY, LONDON	UK
12	IMAR- INSTITUTO DO MAR	PT
13	INSTITUTE OF OCEANOLOGY - BULGARIAN ACADEMY OF SCIENCES	BG
14	KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN - KNAW	NL
15	UNIVERSITA DEGLI STUDI DI PADOVA	IT
16	MEGAPESCA FORMACAO PROFISSIONAL EPRESTACAO DE SERVICOS LDA	PT
17	MIDDLE EAST TECHNICAL UNIVERSITY	TR
18	NORSK INSTITUTT FOR LUFTFORSKNING STIFTELSE	NO
19	SIR ALISTER HARDY FOUNDATION FOR OCEAN SCIENCE	UK
20	UNIVERSITY OF PLYMOUTH	UK
21	SYDDANSK UNIVERSITET	DK
22	MORSKI INSTYTUT RYBACKI - PANSTWOWY INSTYTUT BADAWCZY	PL
23	SUOMEN YMPARISTOKESKUS	FI
24	UNIVERSITE DE BRETAGNE OCCIDENTALE	FR
25	UNIVERSITY COLLEGE CORK - NATIONAL UNIVERSITY OF IRELAND, CORK	IE
26	UNIVERSITY OF EAST ANGLIA	UK
27	UNIVERSITETET I BERGEN	NO
28	UNIVERSITA CA' FOSCARI VENEZIA	IT
29	UNIVERSITY OF BATH	UK
30	VERENIGING VOOR CHRISTELIJK HOGER ONDERWIJS WETENSCHAPPELIJK ONDERZOEK EN PATIENTENZORG	NL
31	UNIVERSIDAD DE SEVILLA	ES
32	INSTITUT PO BIORAZNOOBRAZIE I EKOSISTEMNI IZSLEDVANIYA BALGARSKA AKADEMIYA NA NAUKITE	BG
33	STICHTING NIOZ, KONINKLIJK NEDERLANDS INSTITUUT VOOR	NL

	ONDERZOEK DER ZEE	
34	STICHTING VU	NL

At a glance

Framework: FP7

Project number: 283157

Acronym: LAGOONS

Title: Integrated water resources and coastal zone management in European lagoons in the context of climate change

Call: FP7-ENV-2011

Instrument: CP-FP - Small or medium-scale focused research project

Start date: 01/10/2011

End date: 30/09/2014

Duration: 36 months

Total Cost: € 3,338,591.60

EU Contribution: € 2,545,659.50

Consortium: 9 participants

Project coordinator: UNIVERSIDADE DE AVEIRO, PT

LAGOONS

Integrated water resources and coastal zone management in European lagoons in the context of climate change

Abstract

Issue: The environmental issue of concern of the LAGOONS project is the anthropogenic deterioration and climate change impacts - especially the effects of extreme weather events- on surface water and lagoons ecosystems. Objectives: The main objective of the LAGOONS project is to contribute to a science-based seamless strategy - in an integrated and coordinated fashion - of the management of lagoons seen under the land-sea and science-policy-stakeholder interface; i.e., the project seek to underpin the integration of the EU Water Framework Directive, Habitat Directive, the EU's ICZM Recommendation, and the EU Marine Strategy Directive. Methodology: Four case study lagoons have been selected to represent a set of "hotspot" coastal lagoons with a wide and balanced geographical distribution and different characteristics. The lagoons included are: Vistula Lagoon in Baltic Sea (transboundary Poland/Russia); Tylygulskyi Lagoon in Black Sea (Ukraine); Ria de Aveiro Lagoon in Atlantic Ocean (Portugal), and Mar Menor in the Mediterranean Sea (Spain). By means of elaborating integrated strategies for sustainable development of the case study lagoons in the climate change context, the LAGOONS project will contribute to the goals of the Call showing that it is possible to enhance connectivity between research and policy-making in a lagoons context using a proactive approach to water issues, which assures more efficient use of existing research results. Impact: In management terms, LAGOONS will contribute to the decision-support methodologies for a coordinated approach to the Water Framework Directive and the Marine Strategy Directive. In addition, LAGOONS will propose actions to tackle bottlenecks in the context of climate change, i.e., LAGOONS will propose actions foreseen in the goals of the Europe 2020 strategy - A strategy for smart, sustainable and inclusive growth.

European Commission

LAGOONS

Project's Participants List

Integrated water resources and coastal zone management in European lagoons in the context of climate change

Project's participants	Name	Country
1	UNIVERSIDADE DE AVEIRO	PT
2	NIBIO - NORSK INSTITUTT FOR BIOOKONOMI	NO
3	INSTYTUT BUDOWNICTWA WODNEGO POLSKIEJ AKADEMII NAUK	PL
4	P.P. SHIRSHOV INSTITUTE OF OCEANOLOGY OF RUSSIAN ACADEMY OF SCIENCES	RU
5	MORSKI INSTYTUT RYBACKI - PANSTWOWY INSTYTUT BADAWCZY	PL
6	UNIVERSITY OF DUNDEE	UK
7	Odessa State Environmental University	UA
8	POTSDAM INSTITUT FUER KLIMAFOLGENFORSCHUNG	DE
9	UNIVERSIDAD DE MURCIA	ES

At a glance

Framework: FP7

Project number: 613571

Acronym: MAREFRAME

Title: Co-creating Ecosystem-based Fisheries Management Solutions

Call: FP7-KBBE-2013-7-single-stage

Instrument: CP-TP - Collaborative Project targeted to a special group (such as SMEs)

Start date: 01/01/2014

End date: 31/12/2017

Duration: 48 months

Total Cost: € 5,999,908.00

EU Contribution: € 7,748,208.44

Consortium: 28 participants

Project coordinator: MATIS OHF, IS

MAREFRAME

Co-creating Ecosystem-based Fisheries Management Solutions

Abstract

MareFrame seeks to remove barriers preventing a more widespread use of an Ecosystem-based Approach to Fisheries Management (EAFM). It will develop assessment methods and a Decision Support Framework (DSF) for management of marine resources and thereby enhance the capacity to provide integrated assessment, advice and decision support for an EAFM. Enabling comparisons between relevant "what-if" scenarios and their likely consequences, DSF will support the implementation of the new Common Fisheries Policy (CFP) and the Marine Strategy Framework Directive (MSFD). The project SMEs, together with RTD institutions and stakeholders, will develop and demonstrate the use of innovative decision support tools through training actions, role-play and workshops. Indicators of Good Environmental Status (GES) will be developed along with models for ecosystem-based management. The models will take multi-species approaches into account and be developed and compared through seven datasets of six European regional seas. The models will draw on historical data sets and data from new analytical methods. Model performance will be compared and evaluated using a simulated ecosystem as an operating model. Learning from the experience of previous and on-going research, MareFrame integrates stakeholders at its core using a co-creation approach that combines analytical and participatory processes to provide knowledge that can be applied to policy-making, improving management plans and implementation of EAFM. The project dissemination will use innovative ways to ensure effective usage of project outcomes. The work packages and the allocation of roles have been designed to ensure effective collaboration through the project's lifetime. MareFrame liaises with other national and international research projects and is of high relevance to the future management of living marine resources in Europe in a changing environment, taking a holistic view incorporating socio-economic and legislative issues.

Project's Participants List

MAREFRAME

Co-creating Ecosystem-based Fisheries Management Solutions

Project's participants	Name	Country
1	MATIS OHF	IS
2	HASKOLI ISLANDS	IS
3	MORSKI INSTYTUT RYBACKI - PANSTWOWY INSTYTUT BADAWCZY	PL
4	HELSINGIN YLIOPISTO	FI
5	HAFRANNSOKNASTOFNUNIN	IS
6	THE UNIVERSITY COURT OF THE UNIVERSITY OF ABERDEEN	UK
7	AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS	ES
8	INSTITUTO ESPANOL DE OCEANOGRAFIA	ES
9	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
10	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE MARINA GRIGORE ANTIPA	RO
11	SVERIGES LANTBRUKSUNIVERSITET	SE
12	STOCKHOLMS UNIVERSITET	SE
13	CENTRO TECNOLOGICO DEL MAR - FUNDACION CETMAR	ES
14	UNIVERSITETET I TROMSOE	NO
15	NOFIMA AS	NO
16	AALBORG UNIVERSITET	DK
17	UNIVERSITY OF CAPE TOWN	ZA
18	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION	AU
19	NATIONAL INSTITUTE OF WATER AND ATMOSPHERIC RESEARCH	NZ
20	NRC (EUROPE) LTD	UK
21	SYNTESA APS	DK
22	SPF TOKNI	FO
23	MAPIX TECHNOLOGIES LTD	UK
24	SHUTTLE THREAD LIMITED	UK
25	NSRAC LBG	UK
26	NORTH WESTERN WATERS ADVISORY COUNCIL	IE
27	STICHTING ADVISORY COUNCIL FOR PELAGIC STOCKS	NL
28	INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA	DK

At a glance

Framework: FP7

Project number: 245137

Acronym: MAREX

Title: Exploring Marine Resources for Bioactive Compounds: From Discovery to Sustainable Production and Industrial Applications

Call: FP7-KBBE-2009-3

Instrument: CP-IP - Large-scale integrating project

Start date: 01/08/2010

End date: 31/07/2014

Duration: 48 months

Total Cost: € 7,895,271.64

EU Contribution: € 5,999,974.00

Consortium: 20 participants

Project coordinator: HELSINGIN YLIOPISTO, FI

MAREX

Exploring Marine Resources for Bioactive Compounds: From Discovery to Sustainable Production and Industrial Applications

Abstract

Biodiversity in the seas is only partly explored, although marine organisms are excellent sources for many industrial products. Through close co-operation between industrial and academic partners, the MAREX project will collect, isolate and classify marine organisms, such as micro- and macroalgae, cyanobacteria, sea anemones, tunicates and fish from the Atlantic, Pacific and Indian Oceans as well as from the Mediterranean, Baltic and Arabian Seas. Extracts and purified compounds of these organisms will be studied for several therapeutically and industrially significant biological activities, including anticancer, anti-inflammatory, antiviral and anticoagulant activities by applying a wide variety of screening tools, as well as for ion channel/receptor modulation and plant growth regulation. Chromatographic isolation of bioactive compounds will be followed by structural determination. Sustainable cultivation methods for promising organisms, and biotechnological processes for selected compounds will be developed, as well as biosensors for monitoring the target compounds. The work will entail sustainable organic synthesis of selected active compounds and new derivatives, and development of selected hits to lead compounds. The project will expand marine compound libraries. MAREX innovations will be targeted for industrial product development in order to improve the growth and productivity of European marine biotechnology. MAREX aims at a better understanding of environmentally conscious sourcing of marine biotechnology products and increased public awareness of marine biodiversity and potential. Finally, MAREX is expected to offer novel marine-based lead compounds for European industries and strengthen their product portfolios related to pharmaceutical, nutraceutical, cosmetic, agrochemical, food processing, material and biosensor applications.

Project's Participants List

MAREX

Exploring Marine Resources for Bioactive Compounds: From Discovery to Sustainable Production and Industrial Applications

Project's participants	Name	Country
1	HELSINGIN YLIOPISTO	FI
2	UNIVERZA V LJUBLJANI	SI
3	UNIVERSIDAD DE LA LAGUNA	ES
4	UNIWERSYTET GDANSKI	PL
5	KATHOLIEKE UNIVERSITEIT LEUVEN	BE
6	ABO AKADEMI	FI
7	American University of Beirut	LB
8	Universidad de Antofagasta	CL
9	UNIVERSITE DE STRASBOURG	FR
10	EGE UNIVERSITESI	TR
11	UNIVERSITA DEGLI STUDI DI NAPOLI FEDERICO II.	IT
12	UNIVERSIDAD CATOLICA DEL NORTE	CL
13	Teknologian tutkimuskeskus VTT Oy	FI
14	NATIONAL INSTITUTE OF OCEANOGRAPHY	IN
15	RISE ACREO AB	SE
16	XENTION LTD	UK
17	BIOVICO SP ZOO	PL
18	Euroespes Bioetcnologia S.A.	ES
19	BIOTECHMARINE	FR
20	IMEGO AB	SE

At a glance

Framework: FP7

Project number: 293707

Acronym: MASIMBIRS

Title: Estimation of atmospheric moisture at the air-sea interface on the Mediterranean and Black Sea using IR satellite data

Call: FP7-PEOPLE-2011-CIG

Instrument: MC-CIG - Support for training and career development of researcher (CIG)

Start date: 01/01/2012

End date: 31/12/2014

Duration: 36 months

Total Cost: € 75,000.00

EU Contribution: € 75,000.00

Project coordinator and participant: ADMINISTRATIA NATIONALA DE METEOROLOGIE R.A., RO

MASIMBIRS

Estimation of atmospheric moisture at the air-sea interface on the Mediterranean and Black Sea using IR satellite data

Abstract

The main goal of the proposed study is to develop and document limits and strengths of statistics-based tools for estimation of near-surface moisture over the Mediterranean and Black Sea from geostationary satellite observations. Due to the high temporal sampling and good spatial resolution, these observations are expected to bring an added value for applications at diurnal and sub-diurnal timescales over the Mediterranean basin, like studies of cyclonic activity, open-sea summer squalls, waterspout events. The first approach will be based on regression methods, employing vertical profiles of temperature and humidity derived from satellite data and results of a regional climate model. The second approach will make use of a Look-Up Table procedure for estimation of statistical characteristics of distribution of near-surface water vapor. The project will integrate a variety of data and tools, by employing recent satellite products, new observational data over Mediterranean, a well-tested regional climate model, updated datasets for sea-surface temperature. The results may contribute to open new research directions (e.g. serving as basis for possible improvements for future geostationary satellite missions; developing operational products) or they will soundly justify the closing of approaches proposed here. Additional products of the project (e.g. regional database of vertical profiles of water vapour and temperature) are expected to have a large range of applications focusing on European area. The project will offer excellent opportunities for personal scientific advancements, as well as for acquiring or strengthen complementary skills. It will also contribute to inform scientific and non-scientific communities at national level about European research opportunities. The project will have a strong contribution to increasing visibility of Romanian research institutes on European level, as well as to reinforce or build cooperations with European institutions

At a glance

Framework: FP7

Project number: 212085

Acronym: MEECE

Title: Marine Ecosystem Evolution in a Changing Environment

Call: FP7-ENV-2007-1

Instrument: CP-IP - Large-scale integrating project

Start date: 01/09/2008

End date: 28/02/2013

Duration: 54 months

Total Cost: € 8,577,985.11

EU Contribution: € 6,499,744.74

Consortium: 22 participants

Project coordinator: PLYMOUTH MARINE LABORATORY, UK

MEECE

Marine Ecosystem Evolution in a Changing Environment

Abstract

MEECE is a scientific research project which aims to use a combination of data synthesis, numerical simulation and targeted experimentation to further our knowledge of how marine ecosystems will respond to combinations of multiple climate change and anthropogenic drivers. With an emphasis on the European Marine Strategy (EMS), MEECE will improve the decision support tools to provide a structured link between management questions and the knowledge base that can help to address those questions. A strong knowledge transfer element will provide an effective means of communication between end-users and scientists.

Project's Participants List

MEECE

Marine Ecosystem Evolution in a Changing Environment

Project's participants	Name	Country
1	PLYMOUTH MARINE LABORATORY	UK
2	UNIVERSITETET I BERGEN	NO
3	UNIVERSITAET HAMBURG	DE
4	FUNDACION AZTI - AZTI FUNDAZIOA	ES
5	ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA	IT
6	STICHTING WAGENINGEN RESEARCH	NL
7	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	UK
8	NATURAL ENVIRONMENT RESEARCH COUNCIL	UK
9	INSTITUT DE RECHERCHE POUR LE DEVELOPPEMENT	FR
10	DANMARKS TEKNISKE UNIVERSITET	DK
11	HAVFORSKNINGSINSTITUTTET	NO
12	MIDDLE EAST TECHNICAL UNIVERSITY	TR
13	HELLENIC CENTRE FOR MARINE RESEARCH	EL
14	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	FR
15	SIR ALISTER HARDY FOUNDATION FOR OCEAN SCIENCE	UK
16	UNIVERSITA DEGLI STUDI DEL PIEMONTE ORIENTALE AMEDEO AVOGADRO	IT
17	KLAIPEDOS UNIVERSITETAS	LT
18	BOLDING & BRUGGEMAN APS	DK
19	INSTITUTO ESPANOL DE OCEANOGRAFIA	ES
20	COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	FR
21	SYDDANSK UNIVERSITET	DK
22	UNIVERSITY OF CAPE TOWN	ZA

At a glance

Framework: FP7

Project number: 202798

Acronym: MICORE

Title: Morphological Impacts and COastal Risks induced by Extreme storm events

Call: FP7-ENV-2007-1

Instrument: CP-FP - Small or medium-scale focused research project

Start date: 01/06/2008

End date: 30/09/2011

Duration: 40 months

Total Cost: € 4,597,073.60

EU Contribution: € 3,499,954.00

Consortium: 16 participants

Project coordinator: UNIVERSITA DEGLI STUDI DI FERRARA, IT

MICORE

Morphological Impacts and COastal Risks induced by Extreme storm events

Abstract

The project is specifically targeted to contribute to the development of a probabilistic mapping of the morphological impact of marine storms and to the production of early warning and information systems to support long-term disaster reduction. A review of historical storms that had a significant impact on a representative number of sensitive European sites will be undertaken. The nine sites are selected according to wave exposure, tidal regime and socio-economical pressures. They include outmost regions of the European Union at the border with surrounding states (e.g. the area of the Gibraltar Strait, the Baltic and Black Sea). All data will be compiled into in a homogeneous database of occurrence and related socio-economic damages, including the following information on the characteristics of the storms, on their morphological impacts, on the damages caused on society, on the Civil Protection schemes implemented after the events. Monitoring of selected sites will take place for a period of one year to collect new data sets of bathymetry and topography using state-of-the-arts technology (Lidar, ARGUS, Radar, DGPS). The impact of the storms on living and non-living resources will be done using low-cost portable GIS methods. Numerical models of storm-induced morphological changes will be tested and developed, using both commercial packages and developing a new open-source morphological model. The models will be linked to wave and surge forecasting models to set-up a real-time warning system and to implement its usage within Civil Protection agencies. The most important product of the project will be the conception of Storm Impact Indicators (SIIs) with defined threshold for the identification of major morphological changes and flooding associated risks. Finally, the results of the project will be disseminated as risk maps through an effective Web_GIS system.

Project's Participants List

MICORE

Morphological Impacts and COastal Risks induced by Extreme storm events

Project's participants	Name	Country
1	UNIVERSITA DEGLI STUDI DI FERRARA	IT
2	AGENZIA REGIONALE PER LA PREVENZIONE, L'AMBIENTE E L'ENERGIA DELL'EMILIA-ROMAGNA	IT
3	REGIONE EMILIA ROMAGNA	IT
4	UNIVERSIDADE DO ALGARVE	PT
5	FUNDACAO DA FACULDADE DE CIENCIAS DA UNIVERSIDADE DE LISBOA FP	PT
6	UNIVERSIDAD DE CADIZ	ES
7	BUREAU DE RECHERCHES GEOLOGIQUES ET MINIERES	FR
8	INTERNATIONAL MARINE AND DREDGING CONSULTANTS	BE
9	UNIVERSITY OF PLYMOUTH	UK
10	UNIWERSYTET SZCZECINSKI	PL
11	INSTITUTE OF OCEANOLOGY - BULGARIAN ACADEMY OF SCIENCES	BG
12	STICHTING DELTARES	NL
13	TECHNISCHE UNIVERSITEIT DELFT	NL
14	NATURAL ENVIRONMENT RESEARCH COUNCIL	UK
15	UNIVERSIDAD PABLO DE OLAVIDE	ES
16	CONSORZIO FUTURO IN RICERCA	IT

At a glance

Framework: FP7

Project number: 218812

Acronym: MYOCEAN

Title: Development and pre-operational validation of upgraded GMES Marine Core Services and capabilities

Call: FP7-SPACE-2007-1

Instrument: CP - Collaborative project (generic)

Start date: 01/01/2009

End date: 31/03/2012

Duration: 39 months

Total Cost: € 55,008,475.71

EU Contribution: € 33,800,000.00

Consortium: 60 participants

Project coordinator: MERCATOR OCEAN, FR

MYOCEAN

Development and pre-operational validation of upgraded GMES Marine Core Services and capabilities

Abstract

MyOcean is THE PROJECT to set up infrastructures, services and resources to prepare the operational deployment of first Marine Core Services. My Ocean answers to the topic SPA.2007.1.1.01 - development of upgraded capabilities for existing GMES fast-track services and related (pre)operational services. MyOcean is proposed by a consortium of 67 partners spread in maritime countries: - federated around a core team of MCS operators - connected to Key R&D players with independent experts - rich of key intermediate users ready to commit to the service validation and promotion and play the role of beta-testers. My Ocean is not “the MCS” but shall provide the major building blocks and umbrella to allow the operational deployment of a full MCS in cooperation with external providers (National Met services, EMSA, …). MyOcean proposes to set an incremental logic and a governance to remain sustainable after the project and able to welcome new science and new services. The project includes the following tasks: - The definition of a first set of operational Marine Core Services, first package of an enlarged MCS portfolio - The operational development of European upgraded capacities acting as a common denominator for Member States, EU needs for reference marine information - The pre-operational validation of these MCS infrastructures and services and their formal commissioning - The marketing and promotion of Marine Core Services for use widening - The elaboration of a committed organisation to support at long term MCS operations, evolution and research. My Ocean inherits, benefits and pursues a European operational oceanography strategy started within EUROGOOS networks, and progressively implemented through subsequent projects: MERSEA Strand1, MERSEA, BOSS4. BOSS4 will provide a Version 0 of Marine Core Services fast tracks. MyOcean work plan shall cover the development, validation and pre-operations of the following versions of MCS V1 and V2.

European Commission

MYOCEAN

Project's Participants List

Development and pre-operational validation of upgraded GMES Marine Core Services and capabilities

Project's participants	Name	Country
1	MERCATOR OCEAN	FR
2	MET OFFICE	UK
3	ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA	IT
4	STIFTELSEN NANSEN SENTER FOR MILJOOG FJERNMALING	NO
5	DANMARKS METEOROLOGISKE INSTITUT	DK
6	Puertos del Estado	ES
7	MARINE HYDROPHYSICAL INSTITUTE - UKRAINIAN NATIONAL ACADEMY OF SCIENCES	UA
8	COLLECTE LOCALISATION SATELLITES SA	FR
9	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	FR
10	METEO-FRANCE	FR
11	KONINKLIJK NEDERLANDS METEOROLOGISCH INSTITUUT-KNMI	NL
12	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
13	METEOROLOGISK INSTITUTT	NO
14	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	FR
15	HELLENIC CENTRE FOR MARINE RESEARCH	EL
16	SVERIGES METEOROLOGISKA OCH HYDROLOGISKA INSTITUT	SE
17	EDISOFT-EMPRESA DE SERVICOS E DESENVOLVIMENTO DE SOFTWARE SA	PT
18	INSTITUT NATIONAL DE RECHERCHE HALIEUTIQUE	MA
19	INSTITUTE OF OCEANOLOGY - BULGARIAN ACADEMY OF SCIENCES	BG
20	UNIVERSITY OF CYPRUS	CY
21	BUNDESAMT FUR SEESCHIFFFAHRT UND HYDROGRAPHIE	DE
22	DANMARKS TEKNISKE UNIVERSITET	DK
23	AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS	ES
24	STARLAB BARCELONA SL	ES
25	TALLINNA TEHNIKAULIKOOL	EE
26	JRC -JOINT RESEARCH CENTRE- EUROPEAN COMMISSION	EU
27	ACRI-ST SAS	FR
28	AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE	IT
29	ISTITUTO NAZIONALE DI OCEANOGRAFIA E DI GEOFISICA SPERIMENTALE	IT
30	Stato Maggiore Aeronautica - Ufficio Generale Spazio Aereo e Meteorologia	IT
31	Istituto Superiore per la Protezione e la Ricerca Ambientale	IT
32	ISRAEL OCEANOGRAPHIC AND LIMNOLOGICAL RESEARCH LIMITED	IL
33	HAVFORSKNINGSINSTITUTTET	NO

34	TECHWORKS MARINE LIMITED	IE
35	UNIVERSITA TA MALTA	MT
36	INSTITUTO SUPERIOR TECNICO	PT
37	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE MARINA GRIGORE ANTIPA	RO
38	FONDAZIONE CENTRO EURO-MEDITERRANEO SUI CAMBIAMENTI CLIMATICI	IT
39	NATURAL ENVIRONMENT RESEARCH COUNCIL	UK
40	PLYMOUTH MARINE LABORATORY	UK
41	THE UNIVERSITY OF READING	UK
42	HR WALLINGFORD LIMITED	UK
43	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	UK
44	INSTITUT ROYAL DES SCIENCES NATURELLES DE BELGIQUE	BE
45	HELMHOLTZ ZENTRUM FUR OZEANFORSCHUNG KIEL	DE
46	NORSK INSTITUTT FOR VANNFORSKNING	NO
47	INSTITUTE OF ACCELERATING SYSTEMS AND APPLICATIONS	EL
48	NACIONALNI INSTITUT ZA BIOLOGIJO	SI
49	AARHUS UNIVERSITET	DK
50	SUOMEN YMPARISTOKESKUS	FI
51	APLINKOS APSAUGOS AGENTURA	LT
52	INSTYTUT MORSKI W GDANSKU	PL
53	FISHERIES AND OCEANS CANADA	CA
54	UNIVERSITY OF PLYMOUTH	UK
55	Scientific foundation Nansen International Environmental and Remote Sensing Centre	RU
56	EUROPEAN CENTRE FOR MEDIUM-RANGE WEATHER FORECASTS	UK
57	ILMATIETEEN LAITOS	FI
58	MIDDLE EAST TECHNICAL UNIVERSITY	TR
59	LATVIJAS UNIVERSITATE	LV
60	BROCKMANN CONSULT GMBH	DE

At a glance

Framework: FP7

Project number: 244273

Acronym: ODEMM

Title: Options for Delivering Ecosystem-Based Marine Management

Call: FP7-ENV-2009-1

Instrument: CP-IP - Large-scale integrating project

Start date: 01/03/2010

End date: 30/11/2013

Duration: 45 months

Total Cost: € 8,271,980.73

EU Contribution: € 6,499,132.90

Consortium: 17 participants

Project coordinator: THE UNIVERSITY OF LIVERPOOL, UK

ODEMM

Options for Delivering Ecosystem-Based Marine Management

Abstract

The overall aim of the ODEMM project is to develop a set of fully-costed ecosystem management options that would deliver the objectives of the Marine Strategy Framework Directive, the Habitats Directive, the European Commission Blue Book and the Guidelines for the Integrated Approach to Maritime Policy. This will be achieved by: (i) providing a comprehensive knowledge base to support policy for the development of sustainable and integrated management of European marine ecosystems; (ii) developing Operational Objectives to achieve the High-Level Policy Objectives set by the MSFD and the HD, and with reference to the proposed Maritime Policy; (iii) identifying Management Options (individual management tools and combinations of tools) to meet the Operational Objectives; (iv) providing a risk assessment framework for the evaluation of Management Options and to assess the risk associated with the different options; (v) conducting a cost-benefit analysis of a range of Management Options using appropriate techniques; (vi) identifying stakeholder opinions on the creation of governance structures directed towards implementation of the ecosystem approach, and to elaborate different scenarios for changing governance structures and legislation to facilitate a gradual transition from the current fragmented management approach towards fully integrated ecosystem management; (vii) documenting the steps necessary for the transition from the current fragmented management scheme to a mature and integrated approach, and providing a toolkit that could be used to evaluate options for delivering ecosystem-based management; and (viii) communicating and consulting on the outcomes of the project effectively with policy makers and other relevant user groups.

Project's Participants List

ODEMM

Options for Delivering Ecosystem-Based Marine Management

Project's participants	Name	Country
1	THE UNIVERSITY OF LIVERPOOL	UK
2	HELLENIC CENTRE FOR MARINE RESEARCH	EL
3	A.O. KOVALEVSKIY INSTITUTE OF BIOLOGY OF SOUTHERN SEAS	UA
4	AALBORG UNIVERSITET	DK
5	MIDDLE EAST TECHNICAL UNIVERSITY	TR
6	SRUC	UK
7	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE MARINA GRIGORE ANTIPA	RO
8	STICHTING WAGENINGEN RESEARCH	NL
9	ISRAEL OCEANOGRAPHIC AND LIMNOLOGICAL RESEARCH LIMITED	IL
10	MORSKI INSTYTUT RYBACKI - PANSTWOWY INSTYTUT BADAWCZY	PL
11	PANEPISTIMIO THESSALIAS	EL
12	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	UK
13	Marine Law and Ocean Policy Research Services Ltd	IE
14	WAGENINGEN UNIVERSITY	NL
15	INSTITUTE OF OCEANOLOGY - BULGARIAN ACADEMY OF SCIENCES	BG
16	SUOMEN YMPARISTOKESKUS	FI
17	TEL AVIV UNIVERSITY	IL

At a glance

Framework: FP7

Project number: 283291

Acronym: OPEC

Title: OPerational ECology: Ecosystem forecast products to enhance marine GMES applications

Call: FP7-SPACE-2011-1

Instrument: CP-FP - Small or medium-scale focused research project

Start date: 01/01/2012

End date: 31/12/2014

Duration: 36 months

Total Cost: € 2,604,649.00

EU Contribution: € 1,999,678.35

Consortium: 9 participants

Project coordinator: PLYMOUTH MARINE LABORATORY, UK

OPEC

OPerational ECology: Ecosystem forecast products to enhance marine GMES applications

Abstract

OPEC will undertake research and development to develop Operational Ecology to augment the capabilities of the GMES Marine Service. Using the Marine Service as a framework, OPEC will OPEC will contribute 'to the establishment of innovative new GMES products or applications by' establishing the infrastructure for the performance of ecology in the European Regional Seas by implementing a prototype regional ecological Marine Forecast System in 4 European Regions (NE Atlantic Baltic, Mediterranean and Black Seas, which include hydrodynamics, lower (plankton) and higher trophic (e.g. fish) and biological data assimilation. OPEC will deliver 'new products' in terms of rapid environmental assessments as well as hindcasts for environmental management by providing regular 'geo-spatially referenced' error quantified information products (ECV's and indicators of GES) for European Coastal Seas in both lower and higher trophic levels. By assessing the potential spatial and temporal scales of predictability of seasonal forecast appropriate to both lower and higher trophic levels OPEC will also lay the foundations for the next generation of operational ecological products. In doing so OPEC will provide high quality 3D ecosystem indicators covering a range of temporal and spatial scale appropriate for different policy needs as new service aimed at supporting policy, environmental management and other downstream services by providing error quantified hindcast estimates of the state of the environment in the recent past systems. OPEC will contribute directly to policy requirements such as the MSFD, CFP, the monitoring of climate change and to the assessment of mitigation and adaptation policies. Through engagement with SME's, OPEC will implement new water quality related data products and delivery systems for implementation in downstream services. In addition OPEC will define and deliver the S&T Roadmap and make recommendations for future data requirements for Operational Ecology.

Project's Participants List

OPEC

OPerational ECology: Ecosystem forecast products to enhance marine GMES applications

Project's participants	Name	Country
1	PLYMOUTH MARINE LABORATORY	UK
2	DANMARKS METEOROLOGISKE INSTITUT	DK
3	DANMARKS TEKNISKE UNIVERSITET	DK
4	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	UK
5	ISTITUTO NAZIONALE DI OCEANOGRAFIA E DI GEOFISICA SPERIMENTALE	IT
6	HELLENIC CENTRE FOR MARINE RESEARCH	EL
7	MIDDLE EAST TECHNICAL UNIVERSITY	TR
8	PML APPLICATIONS LTD	UK
9	BROCKMANN CONSULT GMBH	DE

At a glance

Framework: FP7

Project number: 244170

Acronym: PEGASO

Title: People for Ecosystem Based Governance in Assessing Sustainable Development of Ocean and Coast

Call: FP7-ENV-2009-1

Instrument: CP-IP-SICA - Large-scale integrating project for specific cooperation actions dedicated to international cooperation partner countries (SICA)

Start date: 01/02/2010

End date: 31/01/2014

Duration: 48 months

Total Cost: € 8,827,935.97

EU Contribution: € 6,999,004.56

Consortium: 25 participants

Project coordinator: UNIVERSITAT AUTONOMA DE BARCELONA, ES

PEGASO

People for Ecosystem Based Governance in Assessing Sustainable Development of Ocean and Coast

Abstract

Many efforts have been deployed for developing Integrated Coastal Zone Management (ICZM) in the Mediterranean and the Black Sea. Both basins have, and continue to suffer severe environmental degradation. In many areas this has led to unsustainable trends, which have impacted, on economic activities and human well-being. An important progress has been made with the launch of the ICZM Protocol for the Mediterranean Sea in January 2008. The ICZM Protocol offers, for the first time in the Mediterranean, an opportunity to work in a new way, and a model that can be used as a basis for solving similar problems elsewhere, such as in the Back Sea. The aim of PEGASO is to build on existing capacities and develop common novel approaches to support integrated policies for the coastal, marine and maritime realms of the Mediterranean and Black Sea Basins in ways that are consistent with and relevant to the implementation of the ICZM Protocol for the Mediterranean. PEGASO will use the model of the existing ICZM Protocol for the Mediterranean and adjust it to the needs of the Black Sea through three innovative actions: - Constructing an ICZM governance platform as a bridge between scientist and end-user communities, going far beyond a conventional bridging. The building of a shared scientific and end users platform is at the heart of our proposal linked with new models of governance. -Refining and further developing efficient and easy to use tools for making sustainability assessments in the coastal zone (indicators, accounting methods and models, scenarios, socio-economic valuations, etc). They will be tested and validated in 10 sites (CASES) and by the ICZM Platform, using a multi-scale approach for integrated regional assessment. - Implementing a Spatial Data Infrastructure (SDI), following INSPIRE Directive, to organize local geonodes and standardize spatial data to support information sharing on an interactive visor, to make it available to the ICZM Platform, and to disseminate all results of the project to all interested parties and beyond. -Enhancing regional networks of scientists and stakeholders in ICPC countries, supported by capacity building, to implement the PEGASO tools and lessons learned, to assess the state and trends for coast and sea in both basins, identifying present and future main threats agreeing on responses to be done at different scales in an integrated approach, including transdisciplinary and transbondary long-term collaborations.

European Commission

Project's Participants List

PEGASO

People for Ecosystem Based Governance in Assessing Sustainable Development of Ocean and Coast

Project's participants	Name	Country
1	UNIVERSITE MOHAMMED V DE RABAT	MA
2	UNIVERSITAT AUTONOMA DE BARCELONA	ES
3	UNIVERSIDAD PABLO DE OLAVIDE	ES
4	PLAN BLEU POUR L'ENVIRONNEMENT ET LE DEVELOPPEMENT EN MEDITERRANNEE	FR
5	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	FR
6	ACRI ETUDES ET CONSEIL	MA
7	UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION -UNESCO	FR
8	Priority Actions Programme Regional Activity Centre	HR
9	THE UNIVERSITY OF NOTTINGHAM	UK
10	VLAAMS INSTITUUT VOOR DE ZEE VZW	BE
11	UNIVERSITA CA' FOSCARI VENEZIA	IT
12	JRC -JOINT RESEARCH CENTRE- EUROPEAN COMMISSION	EU
13	UNIVERSITE DE GENEVE	CH
14	HELLENIC CENTRE FOR MARINE RESEARCH	EL
15	AKDENIZ KIYI VAKFI	TR
16	UNIVERSITE MOHAMMED V DE RABAT	MA
17	Association de Réflexion, d'Echanges et d'Actions pour l'Environnement et le Développement	DZ
18	NATIONAL INSTITUTE OF OCEANOGRAPHY AND FISHERIES	EG
19	UNIVERSITY OF BALAMAND	LB
20	MARINE HYDROPHYSICAL INSTITUTE - UKRAINIAN NATIONAL ACADEMY OF SCIENCES	UA
21	FONDATION TOUR DU VALAT	FR
22	National Authority for Remote Sensing and Space Sciences	EG
23	THE COMMISSION ON THE PROTECTION OFTHE BLACK SEA AGAINST POLLUTION	TR
24	UNION INTERNATIONALE POUR LA CONSERVATION DE LA NATURE ET DE SES RESSOURCES	CH
25	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE DELTA DUNARII	RO

At a glance

Framework: FP7

Project number: 287600

Acronym: PERSEUS

Title: Policy-oriented marine Environmental Research in the Southern EUropean Seas

Call: FP7-OCEAN-2011

Instrument: CP-IP-SICA - Large-scale integrating project for specific cooperation actions dedicated to international cooperation partner countries (SICA)

Start date: 01/01/2012

End date: 31/12/2015

Duration: 48 months

Total Cost: € 16,994,500.54

EU Contribution: € 12,973,123.40

Consortium: 54 participants

Project coordinator: HELLENIC CENTRE FOR MARINE RESEARCH, EL

PERSEUS

Policy-oriented marine Environmental Research in the Southern EUropean Seas

Abstract

The overall scientific objectives of PERSEUS are to identify the interacting patterns of natural and human-derived pressures on the Mediterranean and Black Seas, assess their impact on marine ecosystems and, using the objectives and principles of the Marine Strategy Framework Directive as a vehicle, to design an effective and innovative research governance framework based on sound scientific knowledge. Well-coordinated scientific research and socio-economic analysis will be applied at a wide-ranging scale, from basin to coastal. The new knowledge will advance our understanding on the selection and application of the appropriate descriptors and indicators of the MSFD. New tools will be developed in order to evaluate the current environmental status, by way of combining monitoring and modelling capabilities and existing observational systems will be upgraded and extended. Moreover, PERSEUS will develop a concept of an innovative, small research vessel, aiming to serve as a scientific survey tool, in very shallow areas, where the currently available research vessels are inadequate. In view of reaching Good Environmental Status (GES), a scenario-based framework of adaptive policies and management schemes will be developed. Scenarios of a suitable time frame and spatial scope will be used to explore interactions between projected anthropogenic and natural pressures. A feasible and realistic adaptation policy framework will be defined and ranked in relation to vulnerable marine sectors/groups/regions in order to design management schemes for marine governance. Finally, the project will promote the principles and objectives outlined in the MSFD across the SES. Leading research Institutes and SMEs from EU Member States, Associated States, Associated Candidate countries, non-EU Mediterranean and Black Sea countries, will join forces in a coordinated manner, in order to address common environmental pressures, and ultimately, take action in the challenge of achieving GES.

Project's Participants List

PERSEUS

Policy-oriented marine Environmental Research in the Southern EUropean Seas

Project's participants	Name	Country
1	HELLENIC CENTRE FOR MARINE RESEARCH	EL
2	MIDDLE EAST TECHNICAL UNIVERSITY	TR
3	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	FR
4	AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS	ES
5	CONSORZIO NAZIONALE INTERUNIVERSITARIO PER LE SCIENZE DEL MARE ASSOCIAZIONE	IT
6	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU GEOLOGIE SI GEOECOLOGIE MARINA-GEOECOMAR	RO
7	PLAN BLEU POUR L'ENVIRONNEMENT ET LE DEVELOPPEMENT EN MEDITERRANNEE	FR
8	COSNAV ENGINEERING SRL	IT
9	UNIVERSITA TA MALTA	MT
10	EIR SYMVOULOI ANAPTYXIS ETAIREIA PERIORISMENIS EFTHYNIS	EL
11	ASOCIACION BC3 BASQUE CENTRE FOR CLIMATE CHANGE - KLIMA ALDAKETA IKERGAI	ES
12	INSTITUTO ESPANOL DE OCEANOGRAFIA	ES
13	UNIVERSITAT DE BARCELONA	ES
14	UNIVERSITAT POLITECNICA DE CATALUNYA	ES
15	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	FR
16	UNIVERSITE D'AIX MARSEILLE	FR
17	UNIVERSITE PIERRE ET MARIE CURIE - PARIS 6	FR
18	UNIVERSITE PAUL SABATIER TOULOUSE III	FR
19	FONDAZIONE CENTRO EURO-MEDITERRANEO SUI CAMBIAMENTI CLIMATICI	IT
20	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
21	AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE	IT
22	JRC -JOINT RESEARCH CENTRE- EUROPEAN COMMISSION	EU
23	ISTITUTO NAZIONALE DI OCEANOGRAFIA E DI GEOFISICA SPERIMENTALE	IT
24	STAZIONE ZOOLOGICA ANTON DOHRN	IT
25	PLYMOUTH MARINE LABORATORY	UK
26	UNIVERSITY OF PLYMOUTH	UK
27	STICHTING DELTARES	NL
28	UNIVERSITEIT UTRECHT	NL
29	UNIVERSITE DE LIEGE	BE
30	PANEPISTIMIO AIGAIOU	EL
31	ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON	EL
32	PANEPISTIMIO KRITIS	EL

33	THE CYPRUS RESEARCH AND EDUCATIONAL FOUNDATION	CY
34	UNIVERSITY OF CYPRUS	CY
35	NACIONALNI INSTITUT ZA BIOLOGIJO	SI
36	INSTITUT ZA OCEANOGRAFIJU I RIBARSTVO	HR
37	ISRAEL OCEANOGRAPHIC AND LIMNOLOGICAL RESEARCH LIMITED	IL
38	UNIVERSITY OF HAIFA	IL
39	BLACK SEA NGO NETWORK	BG
40	SOFIISKI UNIVERSITET SVETI KLIMENT OHRIDSKI	BG
41	INSTITUT PO BIORAZNOOBRAZIE I EKOSISTEMNI IZSLEDVANIYA BALGARSKA AKADEMIYA NA NAUKITE	BG
42	INSTITUTE OF OCEANOLOGY - BULGARIAN ACADEMY OF SCIENCES	BG
43	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE MARINA GRIGORE ANTIPA	RO
44	ISTANBUL UNIVERSITESI	TR
45	A.O. KOVALEVSKIY INSTITUTE OF BIOLOGY OF SOUTHERN SEAS	UA
46	MARINE HYDROPHYSICAL INSTITUTE - UKRAINIAN NATIONAL ACADEMY OF SCIENCES	UA
47	ODESSA NATIONAL I.I. MECHNIKOV UNIVERSITY	UA
48	P.P. SHIRSHOV INSTITUTE OF OCEANOLOGY OF RUSSIAN ACADEMY OF SCIENCES	RU
49	IVANE JAVAKHISHVILI TBILISI STATE UNIVERSITY	GE
50	INSTITUT NATIONAL DE RECHERCHE HALIEUTIQUE	MA
51	CLU srl	IT
52	ECOLOGIC INSTITUT gemeinnützige GmbH	DE
53	SAROST SA	TN
54	REVELLE GROUP	BE

At a glance

Framework: FP7

Project number: 249552

Acronym: SEAS ERA

Title: Towards integrated European marine research strategy and programmes

Call: FP7-ERANET-2009-RTD

Instrument: CSA-CA - Coordinating action

Start date: 01/05/2010

End date: 30/04/2014

Duration: 48 months

Total Cost: € 2,398,711.60

EU Contribution: € 1,999,927.61

Consortium: 22 participants

Project coordinator: MINISTERIO DE ECONOMIA, INDUSTRIA Y COMPETITIVIDAD, ES

SEAS ERA

Towards integrated European marine research strategy and programmes

Abstract

This proposal is intended to take into account the ongoing and previous integrating initiatives (AMPERA, marinERA, Marifish,...) so as to constitute a stable and durable structure for coordination and integration of national and regional marine and maritime research programmes with the major goal of providing a clear reply to the need for developing and implementing common research strategies and programmes related to the European sea basins. To this end, SEAS ERA will bring together, through several mechanisms, the four European sea basins working at two different levels: regional and pan European; this work structure will enable to harmonise common priorities and needs in marine and maritime research while respecting diversities between regions.

SEAS ERA

Project's Participants List

Towards integrated European marine research strategy and programmes

Project's participants	Name	Country
1	MINISTERIO DE ECONOMIA, INDUSTRIA Y COMPETITIVIDAD	ES
2	MINISTERIO DE ECONOMIA, INDUSTRIA Y COMPETITIVIDAD	ES
3	SERVICE PUBLIC FEDERAL DE PROGRAMMATION POLITIQUE SCIENTIFIQUE	BE
4	MINISTRY OF EDUCATION AND SCIENCE	BG
5	AGENCE NATIONALE DE LA RECHERCHE	FR
6	FORSCHUNGSZENTRUM JULICH GMBH	DE
7	GENIKI GRAMMATIA EREVNAS KAI TECHNOLOGIAS	EL
8	RANNSOKNAMIDSTOD ISLANDS	IS
9	MARINE INSTITUTE	IE
10	MINISTERO DELL'ISTRUZIONE, DELL'UNIVERSITA' E DELLA RICERCA	IT
11	NORGES FORSKNINGSRAD	NO
12	OFFICE OF THE PRIME MINISTER	MT
13	FUNDACAO PARA A CIENCIA E A TECNOLOGIA	PT
14	NEDERLANDSE ORGANISATIE VOOR WETENSCHAPPELIJK ONDERZOEK	NL
15	TURKIYE BILIMSEL VE TEKNOLOJIK ARASTIRMA KURUMU	TR
16	NATURAL ENVIRONMENT RESEARCH COUNCIL	UK
17	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	UK
18	FONDATION EUROPEENNE DE LA SCIENCE	FR
19	Unitatea Executiva pentru Finantarea Invatamantului Superior, a Cercetarii, Dezvoltarii si Inovarii	RO
20	THE CENTRE FOR SCIENTIFIC AND TECHNICAL INFORMATION AND INNOVATION PROMOTION OF UKRAINE	UA
21	SHOTA RUSTAVELI NATIONAL SCIENCE FOUNDATION	GE
22	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	FR

At a glance

Framework: FP7

Project number: 226592

Acronym: UP-GRADE BS-SCENE

Title: UP-GRADE BLACK SEA SCIENTIFIC NETWORK

Call: FP7-INFRASTR CP-CSA-INFRA - Integrating Activities / e-InfrastructuresUCTURES-2008-1

Instrument: CP-CSA-INFRA - Integrating Activities / e-Infrastructures

Start date: 01/01/2009

End date: 31/12/2011

Duration: 36 months

Total Cost: € 4,002,497.75

EU Contribution: € 3,400,000.00

Consortium: 50 participants

Project coordinator: MARIENE INFORMATIE SERVICE MARIS BV, NL

UP-GRADE BS-SCENE

UP-GRADE BLACK SEA SCIENTIFIC NETWORK

Abstract

The recently finished FP6 RI Black Sea SCENE project has established a Black Sea Scientific Network of leading environmental and socio-economic research institutes, universities and NGO's from the countries around the Black Sea and has developed a distributed virtual data and information infrastructure that is populated and maintained by these organisations to improve the identification, access, exchange, quality indication and use of their data and information about the Black Sea. The Black Sea SCENE research infrastructure stimulates scientific cooperation, exchange of knowledge and expertise, and strengthens the regional capacity and performance of marine environmental data and information management, underpins harmonization with European marine data quality control/assessment procedures and adoption of international meta-data standards and data-management practices, providing improved data & information delivery services for the Black Sea region at a European level. The Up-Grade of Black Sea SCENE project aims: a) to extend the existing research infrastructure with 19 marine environmental institutes/organizations from the 6 Black Sea countries, b) to implement the results of the Joint Research Activities of the FP6 RI SeaDataNet project (common communication standards and adapted technologies to ensure the datacenters interoperability), c) to network the existing and new Black Sea datacenters, active in data collection, and provide integrated databases of standardized quality on-line, d) to realize and improve on-line access to in-situ and remote sensing data, meta-data and products and e) to adopt standardized methodologies for data quality checking to ensure the quality, compatibility and coherence of the data issuing from so many sources. The Up-Grade Black Sea SCENE project is undertaken by 51 partners of which 43 are located in the Black Sea countries.

Project's Participants List

UP-GRADE BS-SCENE

UP-GRADE BLACK SEA SCIENTIFIC NETWORK

Project's participants	Name	Country
1	INSTITUT PO BIORAZNOOBRAZIE I EKOSISTEMNI IZSLEDVANIYA BALGARSKA AKADEMIYA NA NAUKITE	BG
2	MARIENE INFORMATIE SERVICE MARIS BV	NL
3	INTERNATIONAL BUREAU FOR ENVIRONMENTAL STUDIES	BE
4	INSTYTUT METEOROLOGII I GOSPODARKIWODNEJ - PANSTWOWY INSTYTUT BADAWCZY	PL
5	MARINE SAMPLING HOLLAND BV	NL
6	FIELDFARE INTERNATIONAL ECOLOGICAL DEVELOPMENT PLC	UK
7	MARINE HYDROPHYSICAL INSTITUTE - UKRAINIAN NATIONAL ACADEMY OF SCIENCES	UA
8	UKRAINIAN SCIENTIFIC AND RESEARCH INSTITUTE OF ECOLOGICAL PROBLEMS	UA
9	ODESSA NATIONAL I.I. MECHNIKOV UNIVERSITY	UA
10	M.V. LOMONOSOV MOSCOW STATE UNIVERSITY	RU
11	P.P. SHIRSHOV INSTITUTE OF OCEANOLOGY OF RUSSIAN ACADEMY OF SCIENCES	RU
12	INSTITUTE OF LIMNOLOGY - RUSSIAN ACADEMY OF SCIENCES	RU
13	SPACE RESEARCH INSTITUTE OF RUSSIAN ACADEMY OF SCIENCES	RU
14	ALL-RUSSIAN RESEARCH INSTITUTE OF HYDROMETEOROLOGICAL INFORMATION-WORLD DATA CENTRE	RU
15	MIDDLE EAST TECHNICAL UNIVERSITY	TR
16	SINOP UNIVERSITY*SINOP FISHERIES FACULTY SNU FF	TR
17	KARADENIZ TEKNIK UNIVERSITESI	TR
18	INSTITUTE OF OCEANOLOGY - BULGARIAN ACADEMY OF SCIENCES	BG
19	TECHNICAL UNIVERSITY OF VARNA	BG
20	INSTITUTE OF FISHING RESOURCES - VARNA	BG
21	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE MARINA GRIGORE ANTIPA	RO
22	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU GEOLOGIE SI GEOECOLOGIE MARINA-GEOECOMAR	RO
23	IVANE JAVAKHISHVILI TBILISI STATE UNIVERSITY	GE
24	The Centre for Monitoring and Prognostication of the Ministry of Environment Protection and Natural Resources of Georgia	GE
25	MIKHEIL NODIA INSTITUTE OF GEOPHYSICS	GE
26	BLACK SEA NGO NETWORK	BG
27	A.O. KOVALEVSKIY INSTITUTE OF BIOLOGY OF SOUTHERN SEAS	UA
28	HELLENIC CENTRE FOR MARINE RESEARCH	EL
29	GOSUDARSTVENNOE UCHREZHDENIE GOSUDARSTVENNIY	RU

	OKEANOGRAFICHESKIY INSTITUT-STATE OCEANOGRAPHIC INSTITUTE SO	
30	INSTITUTE OF HYDROMETEOROLOGY	GE
31	GAMMA LTD	GE
32	INSTITUTE OF WATER MANAGEMENT	GE
33	TAURIDA NATIONAL V.I. VERNADSKY UNIVERSITY	UA
34	INSTITUTE OF GEOLOGICAL SCIENCES NATIONAL ACADEMY OF SCIENCES OF UKRAINE	UA
35	UKRAINIAN RESEARCH HYDROMETEOROLOGICAL INSTITUTE OF THE STATE EMERGENCY SERVICE OF UKRAINE AND THE NATIONAL ACADEMY OF SCIENCE OF UKRAINE	UA
36	SOUTHERN SCIENTIFIC RESEARCH INSTITUTE OF MARINE FISHERIES AND OCEANOGRAPHY	UA
37	INSTITUT GEOEKOLOGII ROSSIYSKOY AKADEMII NAUK	RU
38	RESEARCH CENTRE DYNAMICS OF THE NEARSHORE ZONE	RU
39	UNIVERSITY OF MINING AND GEOLOGY	BG
40	INSTITUT PO BIORAZNOOBRAZIE I EKOSISTEMNI IZSLEDVANIYA BALGARSKA AKADEMIYA NA NAUKITE	BG
41	NATIONAL INSTITUTE OF METEOROLOGY AND HYDROLOGY OF THE BULGARIAN ACADEMY OF SCIENCES	BG
42	DANUBE DELTA BIOSPHERE RESERVE AUTHORITY	RO
43	DOKUZ EYLUL UNIVERSITESI	TR
44	ISTANBUL UNIVERSITESI	TR
45	ANKARA UNIVERSITESI	TR
46	BALKAN ENVIRONMENTAL ASSOCIATION	EL
47	THE COMMISSION ON THE PROTECTION OFTHE BLACK SEA AGAINST POLLUTION	TR
48	UKRAINIAN SCIENTIFIC CENTRE OF ECOLOGY OF THE SEA	UA
49	DANUBE HYDROMETEOROLOGICAL OBSERVATORY OF STATE HYDROMETEOROLOGICAL SERVICE OF MINISTRY OF UKRAINE OF EMERGENCIES AND AFFAIRS OF POPULATION PROTECTION FROM CONSEQUENCES OF CHORNOBYL CATASTROPHE	UA
50	UNIVERSITY OF CYPRUS	CY

Projects funded under H2020

At a glance

Framework: H2020

Project number: 645785

Acronym: BLACK SEA HORIZON

Title: Enhanced bi-regional STI cooperation between the EU and the Black Sea Region

Call: H2020-INT-INCO-2014

Instrument: CSA - Coordination and support action

Start date: 01/02/2015

End date: 31/01/2018

Duration: 36 months

Total Cost: € 1,499,503.75

EU Contribution: € 1,499,503.75

Consortium: 19 participants

Project coordinator: Innovation GmbH ZENTRUM FUR SOZIALE INNOVATION GMBH, AT

BLACK SEA HORIZON

Enhanced bi-regional STI cooperation between the EU and the Black Sea Region

Abstract

BLACK SEA HORIZON has been designed to sustainably enhance bi-regional STI cooperation between the EU and the Black Sea region. The result of the project's STI dialogue support will be an improved knowledge base about EU's external environment and of the current framework for STI cooperation as well as an increased awareness to contribute to the elimination of remaining obstacles and to further intensify the bi-regional STI cooperation based on a jointly developed EU-Black Sea STI Cooperation Programme. To facilitate the pooling of resources the project will establish a group of committed funding parties, endowed with a functional call infrastructure and a clear set of rules and regulations, ready to implement a joint call for proposals. The participation of Black Sea researchers in HORIZON 2020 will be operationally facilitated through (i) identified common research topics taken-up in future calls for proposals, (ii) provision of up-to-date relevant information and good practices to participate in HORIZON 2020 to a large group of researchers, (iii) an increased number of joint research proposals through direct face-to-face meetings of, (iv) a young generation of social scientists trained in HORIZON 2020 and ready to promote and back up future RTI cooperation and (v) an increased readiness of programme owners both from the EU and Black Sea countries to engage jointly in JPIs and future COFUND ERA-NETs. Furthermore, the project will increase understanding of cluster policies and cluster management, establish direct business contacts between cluster managers from the EU and target countries and raise awareness on the programming of as well as on the advantages of inclusive, sustainable and social innovation. The project's results will be broadly disseminated to increase awareness on bi-region STI cooperation activities and opportunities and will be exploited towards an enhanced introduction of the Black Sea region to the ERA.

Project's Participants List

BLACK SEA HORIZON

Enhanced bi-regional STI cooperation between the EU and the Black Sea Region

Project's participants	Name	Country
1	ZENTRUM FUR SOZIALE INNOVATION GMBH	AT
2	DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV	DE
3	CERISS - KENTRO PERIFEREIAKON KAI DIETHNON MELETON KAI YPOSTIRIXIS MONOPROSOPI IKE	EL
4	TURKIYE BILIMSEL VE TEKNOLOJIK ARASTIRMA KURUMU	TR
5	REGIONALIS INFORMACIOS ES FEJLESZTO TUDASKOZPONT KORLATOLT FELELOSSEGU TARSASAG	HU
6	APPLIED RESEARCH AND COMMUNICATIONS FUND	BG
7	INNO TSD	FR
8	INTERNATIONAL CENTER FOR BLACK SEA STUDIES	EL
9	CENTRUL PROIECTE INTERNATIONALE	MD
10	INSTYTUT PODSTAWOWYCH PROBLEMOW TECHNIKI POLSKIEJ AKADEMII NAUK	PL
11	SOCIEDADE PORTUGUESA DE INOVACAO - CONSULTADORIA EMPRESARIAL E FOMENTO DA INOVACAO S.A.	PT
12	Unitatea Executiva pentru Finantarea Invatamantului Superior, a Cercetarii, Dezvoltarii si Inovarii	RO
13	NATIONAL ACADEMY OF SCIENCES OF THE REPUBLIC OF ARMENIA	AM
14	RUSSIAN FOUNDATION FOR BASIC RESEARCH	RU
15	FEDERAL STATE AUTONOMOUS EDUCATIONAL INSTITUTION FOR HIGHER EDUCATION NATIONAL RESEARCH UNIVERSITY HIGHER SCHOOL OF ECONOMICS	RU
16	STATE ORGANIZATION INSTITUTE FOR ECONOMICS AND FORECASTING UKRAINIAN NATIONAL ACADEMY OF SCIENCES	UA
17	ASOTSCIATSIA EVROPULI GAMOKVLEVEBI SAQARTVELOS INOVACIURI GANVITAREBISTVIS	GE
18	SHOTA RUSTAVELI NATIONAL SCIENCE FOUNDATION	GE
19	AZERBAYCAN RESPUBLIKASININ PREZIDENTI YANINDA ELMIN INKISAFI FONDU	AZ

At a glance

Framework: H2020

Project number: 678193

Acronym: CERES

Title: Climate change and European aquatic RESources

Call: H2020-BG-2015-2

Instrument: RIA - Research and Innovation action

Start date: 01/03/2016

End date: 29/02/2020

Duration: 48 months

Total Cost: € 5,586,851.25

EU Contribution: € 5,586,851.25

Consortium: 26 participants

Project coordinator: UNIVERSITAET HAMBURG, DE

CERES

Climate change and European aquatic RESources

Abstract

CERES advances a cause-and-effect understanding of how future climate change will influence Europe's most important fish and shellfish populations, their habitats, and the economic activities dependent on these species. CERES will involve and closely cooperate with industry and policy stakeholders to define policy, environment, social, technological, law and environmental climate change scenarios to be tested. This four-year project will: 1. Provide regionally relevant short-, medium- and long-term future, high resolution projections of key environmental variables for European marine and freshwater ecosystems; 2. Integrate the resulting knowledge on changes in productivity, biology and ecology of wild and cultured animals (including key indirect / food web interactions), and 'scale up' to consequences for shellfish and fish populations, assemblages as well as their ecosystems and economic sectors; 3. Utilize innovative risk-assessment methodologies that encompass drivers of change, threats to fishery and aquaculture resources, expert knowledge, barriers to adaptation and likely consequences if mitigation measures are not put in place; 4. Anticipate responses and assist in the adaptation of aquatic food production industries to underlying biophysical changes, including developing new operating procedures, early warning methods, infrastructures, location choice, and markets; 5. Create short-, medium- and long-term projections tools for the industry fisheries as well as policy makers to more effectively promote blue growth of aquaculture and fisheries in different regions; 6. Consider market-level responses to changes (both positive and negative) in commodity availability as a result of climate change; 7. Formulate viable autonomous adaptation strategies within the industries and for policy to circumvent/prevent perceived risks or to access future opportunities; 8. Effectively communicate these findings and tools to potential end-users and relevant stakeholders.

Project's Participants List

CERES

Climate change and European aquatic RESources

Project's participants	Name	Country
1	UNIVERSITAET HAMBURG	DE
2	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	UK
3	CONSORZIO NAZIONALE INTERUNIVERSITARIO PER LE SCIENZE DEL MARE ASSOCIAZIONE	IT
4	DANMARKS TEKNISKE UNIVERSITET	DK
5	HELLENIC CENTRE FOR MARINE RESEARCH	EL
6	INSTITUTO ESPANOL DE OCEANOGRAFIA	ES
7	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	FR
8	Longline Environment Ltd	UK
9	NATIONAL UNIVERSITY OF IRELAND, GALWAY	IE
10	PLYMOUTH MARINE LABORATORY	UK
11	SVERIGES METEOROLOGISKA OCH HYDROLOGISKA INSTITUT	SE
12	UNIVERSITY OF HULL	UK
13	RODGER HAMISH	IE
14	ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE	PL
15	INSTITUTO PORTUGUES DO MAR E DA ATMOSFERA IP	PT
16	STICHTING WAGENINGEN RESEARCH	NL
17	HAVFORSKNINGSINSTITUTTET	NO
18	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE DELTA DUNARII	RO
19	AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS	ES
20	JOHANN HEINRICH VON THUENEN-INSTITUT, BUNDESFORSCHUNGSINSTITUT FUER LAENDLICHE RAEUME, WALD UND FISCHEREI	DE
21	MERSIN UNIVERSITESI	TR
22	PELAGIC FREEZER TRAWLER ASSOCIATION	NL
23	KILIC DENIZ URUNLERI URETIMI IHRACAT ITHALAT VE TICARET AS	TR
24	COOPERATIVE KOTTERVISSERIJ NEDERLAND UA	NL
25	INSKIE CENTRUM RYBACTWA SPOLKA ZOO	PL
26	Sagremarisco-Viveiros de Marisco Lda	PT

At a glance

Framework: H2020

Acronym: COLUMBUS

Title: Monitoring, Managing and Transferring Marine and Maritime Knowledge for Sustainable Blue Growth

Call: H2020-BG-2014-1

Instrument: Coordination & support action

Start date: 01/03/2015

End date: 28/02/2018

Duration: 36 months

Total Cost: € 3,997,488.00

EU Contribution: € 3,997,488.00

Consortium: 26 participants

Project coordinator: Bord Iascaigh Mhara (BIM), Ireland

Project Strategic and Operational Leader: AquaTT, IE

COLUMBUS

Monitoring, Managing and Transferring Marine and Maritime Knowledge for Sustainable Blue Growth

Abstract

We are standing at the dawn of a century that will be largely affected by how we as a society are able to manage our oceans and their resources. Marine and Maritime Research has a critical role to play in developing our understanding of the seas and advanced technology so that we can develop their economic potential in a sustainable manner.

The COLUMBUS project intends to capitalise on the EC's significant investment in marine research by ensuring accessibility and uptake of research Knowledge Outputs by end-users (policy, industry, science and wider society). COLUMBUS will ensure measurable value creation from research investments contributing to sustainable Blue Growth within the timeframe of the project. Adopting proven methodologies and building on significant past work, COLUMBUS will first identify end-user needs and priorities. It will then set about identifying and collecting "Knowledge Outputs" from past and current EC projects. Rigorous analysis will take place to identify specific applications and end-users. Transfer will be achieved and measured through tailor-made knowledge transfer. All knowledge collected will be made accessible through the pre-existing Marine Knowledge Gate (www.kg.eurocean.org).

A network of 9 Competence Nodes, each with a "Knowledge Fellow" and support team across Europe will provide the necessary critical mass (470pm of effort) to ensure full thematic and spatial coverage. COLUMBUS will also carry out strategic actions to enhance the visibility and impact of research to stakeholders and European Citizen's. Furthermore working with funding agencies and stakeholders, COLUMBUS will examine the feasibility of improved systems and processes to ensure measurable value creation from research.

To achieve the above, COLUMBUS has brought together a multi-disciplinary, multi-stakeholder team representing all aspects of the research value chain from funding agencies to end-users. Key strategic initiatives and networks further strengthen and provide a strong vehicle for project legacy.

Project's Participants List

COLUMBUS

Monitoring, Managing and Transferring Marine and Maritime Knowledge for Sustainable Blue Growth

Project's participants	Name	Country
1	BORD IASCAIGH MHARA (BIM)	IE
2	AquaTT UETP Ltd (AquaTT) LTD	IE
3	FUNDACAO EUROCEAN (EUROCEAN)	PT
4	DANMARKS TEKNISKE UNIVERSITET (DTU)	DK
5	FORSCHUNGSZENTRUM JUELICH GMBH (Juelich) GMBH	DE
6	MARINE SOUTH EAST (MARINE SOUTH EAST)	UK
7	PANAGIOTIS CHRISTOFILOGIANNIS - IOANA TAVLA (AQUARK) OE	EL
8	SMARTBAY IRELAND LIMITED (SMARTBAY IRELAND LIMITED)	IE
9	CONSORCIO PARA EL DISENO, CONSTRUCCION, EQUIPAMIENTO Y EXPLOTACION DE LA PLATAFORMA OCEANICA DE CANARIAS (PLOCAN)	ES
10	SOCIEDAD PARA EL FOMENTO DE LA INNOVACION TECNOLOGICA S.L. - INNOVATEC (INNOVATEC) SL	ES
11	VLAAMS INSTITUUT VOOR DE ZEE VZW (VLIZ) VZW	BE
12	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS (CEFAS)	UK
13	EUROGOOS AISBL (EuroGOOS AISBL)	BE
14	CENTRO TECNOLOGICO DEL MAR - FUNDACION CETMAR (CETMAR)	ES
15	AQUATERA LIMITED (Aquatera) LTD	UK
16	SEASCAPE CONSULTANTS LTD (SEASCAPE CONSULTANTS LTD)	UK
17	European Council for Maritime Applied R&D Association (ECMAR) VZW	BE
18	EUROPEAN AQUACULTURE SOCIETY (EAS)	BE
19	UNIVERSITE PIERRE ET MARIE CURIE - PARIS 6 (UPMC)	FR
20	NATURAL ENVIRONMENT RESEARCH COUNCIL (NERC)	UK
21	Europas Maritime Udviklingscenter (MDCE)	DK
22	SOCIETE D'EXPLOITATION DU CENTRE NATIONAL DE LA MER (NAUSICAA)	FR
23	NORGES TEKNISK-NATURVITENSKAPELIGE UNIVERSITET NTNU (NTNU)	NO
24	Unitatea Executiva pentru Finantarea Invatamantului Superior, a Cercetarii, Dezvoltarii si Inovarii (UEFISCDI)	RO
25	CENTER OF MARITIME TECHNOLOGIES EV (CMT) EV	DE
26	INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA (ICES)	DK

At a glance

Framework: H2020

Project number: 720770

Acronym: DAFIA

Title: Biomacromolecules from municipal solid bio-waste fractions and fish waste for high added value applications

Call: H2020-NMBP-BIO-2016

Instrument: RIA - Research and Innovation action

Start date: 01/01/2020

End date: 31/12/2020

Duration: 48 months

Total Cost: € 6,430,196.25

EU Contribution: € 6,430,196.25

Consortium: 15 participants

Project coordinator: AIMPLAS - ASOCIACION DE INVESTIGACION DE MATERIALES PLASTICOS Y CONEXAS, ES

DAFIA

Biomacromolecules from municipal solid bio-waste fractions and fish waste for high added value applications

Abstract

Municipal solids waste (MSW) are collected by municipalities and represents more than 500 kg/capita (EU-27 average), 300 million tonnes overall every year in the EU-32. Currently, approximately 50% of this volume is landfilled. More than 1.3 million tonnes of Marine rest raw material (MRRM) are generated in Europe each year. Some countries, such as Norway and Denmark, have traditionally for animal feed. It will therefore be a challenge for the industry to develop methods to turn fish viscera and skin, currently considered as undesirable raw materials for hydrolysis and human consumption, into profitable products. DAFIA will exploit MSW and MRRM as feedstocks for high value products. The parallel exploitation of the two feedstocks may create synergies. This expertise will be utilised in process development from MSW, while at the same time, new added-value products may be identified from both feed stocks. The main objective of the DAFIA project is to explore the conversion routes of municipal solid waste (MSW), and marine rest raw-materials (MRRM) from the fish processing industries, to obtain high added value products, i.e. flame retardants, edible/barrier coatings and chemical building blocks (dicarboxylic acids and diamine) to produce polyamides and polyesters for a wide range industrial applications. Different value-chains and products will be selected and explored based on the potential commercial value and the technical feasibility including new microbial strains and processes for conversion of major feedstock fractions, enzymatic and chemical modifications of components isolated from the feedstock or produced in microbial processes. Up to four cost-effective molecule groups suitable for the final selected applications will be targeted (nucleic acids, dicarboxylic acids, diamines and gelatine), & two value-chains (MSW & MRRM) will be evaluated at pilot scale to reach TRL5.

Project's Participants List

DAFIA

Biomacromolecules from municipal solid bio-waste fractions and fish waste for high added value applications

Project's participants	Name	Country
1	AIMPLAS - ASOCIACION DE INVESTIGACION DE MATERIALES PLASTICOS Y CONEXAS	ES
2	POLITECNICO DI TORINO	IT
3	SINTEF FISKERI OG HAVBRUK AS	NO
4	STIFTELSEN SINTEF	NO
5	DANMARKS TEKNISKE UNIVERSITET	DK
6	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	FR
7	NUTRIMAR AS	NO
8	INNOVACIO I RECERCA INDUSTRIAL I SOSTENIBLE SL	ES
9	BIOTREND - INOVACAO E ENGENHARIA EM BIOTECNOLOGIA SA	PT
10	DAREN LABORATORIES & SCIENTIFIC CONSULTANTS LTD	IL
11	MINE PLASTIK ENDUSTRIYEL URUNLER VE SERT MADEN KIMYA LIMITED SIRKETI	TR
12	BIO BASE EUROPE PILOT PLANT VZW	BE
13	BIOPOLIS SL	ES
14	ARKEMA FRANCE	FR
15	The National Non-Food Crops Centre	UK

ECOPOTENTIAL

At a glance

Framework: H2020

Project number: 641762

Acronym: ECOPOTENTIAL

Title: ECOPOTENTIAL: IMPROVING FUTURE ECOSYSTEM BENEFITS THROUGH EARTH OBSERVATIONS

Call: H2020-SC5-2014-two-stage

Instrument: Research and Innovation Action

Start date: 01/06/2015

End date: 31/05/2019

Duration: 48 months

Total Cost: € 15,993,931.25

EC Contribution: € 14,874,340.00

Consortium: 47 participants

Project coordinator: CONSIGLIO NAZIONALE DELLE RICERCHE, IT

ECOPOTENTIAL: IMPROVING FUTURE ECOSYSTEM BENEFITS THROUGH EARTH OBSERVATIONS

Abstract

Terrestrial and marine ecosystems provide essential services to human societies. Anthropogenic pressures, however, cause serious threat to ecosystems, leading to habitat degradation, increased risk of collapse and loss of ecosystem services. Knowledge-based conservation, management and restoration policies are needed to improve ecosystem benefits in face of increasing pressures. ECOPOTENTIAL makes significant progress beyond the state-of-the-art and creates a unified framework for ecosystem studies and management of protected areas (PA). ECOPOTENTIAL focuses on internationally recognized PAs in Europe and beyond in a wide range of biogeographic regions, and it includes UNESCO, Natura2000 and LTER sites and Large Marine Ecosystems. Best use of Earth Observation (EO) and monitoring data is enabled by new EO open-access ecosystem data services (ECOPERNICUS). Modelling approaches including information from EO data are devised, ecosystem services in current and future conditions are assessed and the requirements of future protected areas are defined. Conceptual approaches based on Essential Variables, Macrosystem Ecology and cross-scale interactions allow for a deeper understanding of the Earth's Critical Zone. Open and interoperable access to data and knowledge is assured by a GEO Ecosystem Virtual Laboratory Platform, fully integrated in GEOSS. Support to transparent and knowledge-based conservation and management policies, able to include information from EO data, is developed. Knowledge gained in the PAs is upscaled to pan-European conditions and used for planning and management of future PAs. A permanent stakeholder consultancy group (GEO Ecosystem Community of Practice) will be created. Capacity building is pursued at all levels. SMEs are involved to create expertise leading to new job opportunities, ensuring long-term continuation of services. In summary, ECOPOTENTIAL uses the most advanced technologies to improve future ecosystem benefits for humankind.

ECOPOTENTIAL

Project's Participants List

ECOPOTENTIAL: IMPROVING FUTURE ECOSYSTEM BENEFITS THROUGH EARTH OBSERVATIONS

Project's participants	Name	Country
1	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
2	UNIVERSITA DEL SALENTO	IT
3	ACCADEMIA EUROPEA PER LA RICERCA APPLICATA ED IL PERFEZIONAMENTO PROFESSIONALE BOLZANO (ACCADEMIA EUROPEA BOLZANO)	IT
4	AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	ES
5	HELMHOLTZ-ZENTRUM FUER UMWELTFORSCHUNG GMBH - UFZ	DE
6	KARLSRUHER INSTITUT FUER TECHNOLOGIE	DE
7	UNIVERSITAET BAYREUTH	DE
8	DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV	DE
9	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	FR
10	UNIVERSITY OF LEEDS	UK
11	ENVIRONMENT SYSTEMS LIMITED	UK
12	UNIVERSITATEA DIN BUCURESTI	RO
13	ICETA INSTITUTO DE CIENCIAS, TECNOLOGIAS E AGROAMBIENTE DA UNIVERSIDADE DO PORTO	PT
14	INSTITUTO SUPERIOR TECNICO	PT
15	ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS	EL
16	FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS	EL
17	ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE	CH
18	BEN-GURION UNIVERSITY OF THE NEGEV	IL
19	ISRAEL NATURE AND NATIONAL PARKS PROTECTION AUTHORITY	IL
20	PSI HYDROBIOLOGICAL INSTITUTE OHRID	MK
21	COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH	ZA
22	Istituto Superiore per la Protezione e la Ricerca Ambientale	IT
23	POLITECNICO DI MILANO	IT
24	CENTRO DE INVESTIGACION ECOLOGICA YAPLICACIONES FORESTALES	ES
25	UNIVERSITAT AUTONOMA DE BARCELONA	ES
26	UNIVERSIDAD DE GRANADA	ES
27	UMWELTBUNDESAMT GMBH	AT
28	UNIVERSITAET POTSDAM	DE
29	MUSEUM FUR NATURKUNDE - LEIBNIZ-INSTITUT FUR EVOLUTIONS- UND BIODIVERSITATSFORSCHUNG AN DER HUMBOLDT-UNIVERSITAT ZU BERLIN	DE
30	FONDATION TOUR DU VALAT	FR
31	STICHTING DELTARES	NL
32	ARATOS ANONYMOS ETERIA ANAPTYXIS, PARAGOGIS & EMPORIAS PROIONTON PLIROFORIKIS & IPSILIS TECHNOLOGIAS (Aratos Technologies S.A.)	EL
33	STARLAB BARCELONA SL	ES
34	MARTIN-LUTHER-UNIVERSITAET HALLE-WITTENBERG	DE

Project's participants	Name	Country
35	STICHTING NIOZ, KONINKLIJK NEDERLANDS INSTITUUT VOOR ONDERZOEK DER ZEE	NL
36	KLAIPEDOS UNIVERSITETAS	LT
37	UNIVERSITE PAUL SABATIER TOULOUSE III	FR
38	UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION - UNESCO	FR
39	LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE	UK
40	UNIVERSITETET I BERGEN	NO
41	TERRADUE UK LTD	UK
42	UNITED NATIONS ENVIRONMENT PROGRAMME	KE
43	UNIVERSITY OF NEW SOUTH WALES	AU
44	EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH	CH
45	AGENCIA DE MEDIO AMBIENTE Y AGUA DE ANDALUCIA	ES
46	UNIVERSITE DE BRETAGNE OCCIDENTALE	FR
47	UNIVERSITE DE GENEVE	CH

At a glance

Framework: H2020

Project number: 731036

Acronym: EMSO-Link

Title: Implementation of the Strategy to Ensure the EMSO ERIC's Long-term Sustainability

Call: H2020-INFRADEV-2016-1

Instrument: CSA - Coordination and support action

Start date: 01/03/2017

End date: 29/02/2020

Duration: 36 months

Total Cost: € 4,370,279.41

EU Contribution: € 4,359,451.25

Consortium: 11participants

Project coordinator: EUROPEAN MULTIDISCIPLINARY SEAFLOORAND WATER COLUMN OBSERVATORY - EUROPEAN RESEARCH INFRASTRUCTURE CONSORTIUM (EMSO ERIC), IT

EMSO-Link

Implementation of the Strategy to Ensure the EMSO ERIC's Long-term Sustainability

Abstract

EMSO-Link is a 3-year project underpinning the long-term sustainability of EMSO ERIC, the pan-European distributed Research Infrastructure (RI) composed of fixed point open ocean observatories for the study and monitoring of European seas. EMSO pursues the long-term objective to be part of the upcoming European Ocean Observing System (EOOS), which is expected to integrate multiple platforms and data systems, including other ERICs, to achieve the first sustained, standardized and permanent observatory network of the European seas. EMSO ERIC coordinates the access to the facilities and supports the management of data streams from EMSO observatories. EMSO-Link will accelerate the establishment of EMSO ERIC governance rules and procedures and will facilitate the coordination of EMSO infrastructure construction, operation, extension and maintenance. Specifically, EMSO-Link will: 1.Reinforce and expand the EMSO ERIC membership to optimize the inclusion of the whole European Marine technology and research institutions. 2.Progress towards coordinated operations of the infrastructure nodes, interoperability and standardization as well as capacity increase and synchronizing funding of regional nodes. 3.Enhance stakeholders (e.g., marine operators, industry, academia, universities and marine experts) active engagement through a number of awareness raising campaigns. 4.Enhance relations with sister marine initiatives and counterpart/complementary RIs through Memoranda of Understanding also in coordination with COOP+ EC Project. 5.Strengthen EMSO ERIC contribution to European economic growth and innovation through implementation of a powerful marine technologies Innovation Platform serving and cooperating with Industry and SMEs. EMSO-Link will contribute to the identification of methodologies for the achievement of Good Environmental Status of the European marine waters by 2020, according to the Marine Strategy Framework Directive.

Project's Participants List

EMSO-Link

Implementation of the Strategy to Ensure the EMSO ERIC's Long-term Sustainability

Project's participants	Name	Country
1	EUROPEAN MULTIDISCIPLINARY SEAFLOORAND WATER COLUMN OBSERVATORY - EUROPEAN RESEARCH INFRASTRUCTURE CONSORTIUM (EMSO ERIC)	IT
2	ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA	IT
3	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	FR
4	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	FR
5	NATURAL ENVIRONMENT RESEARCH COUNCIL	UK
6	HELLENIC CENTRE FOR MARINE RESEARCH	EL
7	INNOVA SRL	IT
8	MARINE INSTITUTE	IE
9	UNIVERSITAT POLITECNICA DE CATALUNYA	ES
10	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU GEOLOGIE SI GEOECOLOGIE MARINA-GEOECOMAR	RO
11	INSTITUTO PORTUGUES DO MAR E DA ATMOSFERA IP	PT

At a glance

Framework: H2020

Project number: 633945

Acronym: FATIMA

Title: FArming Tools for external nutrient Inputs and water MAnagement

Call: H2020-SFS-2014-2

Instrument: RIA - Research and Innovation action

Start date: 01/03/2015

End date: 28/02/2018

Duration: 36 months

Total Cost: € 7,966,697.00

EU Contribution: € 7,966,697.00

Consortium: 21 participants

Project coordinator: UNIVERSIDAD DE CASTILLA - LA MANCHA, ES

FATIMA

FArming Tools for external nutrient Inputs and water Management

Abstract

FATIMA addresses effective and efficient monitoring and management of agricultural resources to achieve optimum crop yield and quality in a sustainable environment. It covers both ends of the scale relevant for food production, viz., precision farming and the perspective of a sustainable agriculture in the context of integrated agri-environment management. It aims at developing innovative and new farm capacities that help the intensive farm sector optimize their external input (nutrients, water) management and use, with the vision of bridging sustainable crop production with fair economic competitiveness. Our comprehensive strategy covers five interconnected levels: a modular technology package (based on the integration of Earth observation and wireless sensor networks into a webGIS), a field work package (exploring options of improving soil and input management), a toolset for multi-actor participatory processes, an integrated multi-scale economic analysis framework, and an umbrella policy analysis set based on indicator-, accounting- and footprint approach. FATIMA addresses and works with user communities (farmers, managers, decision makers in the farm and agribusiness sector) at scales ranging from farm, over irrigation scheme or aquifer, to river-basins. It will provide them with maps of fertilizer and water requirements (to feed into precision farming machinery), crop water consumption and a range of further products for sustainable cropping management supported with innovative water-energy footprint frameworks. All information will be integrated in leading-edge participatory spatial online decision-support systems. The innovative FATIMA service concept considers the economic, environmental, technical, social, and political dimensions in an integrated way. FATIMA will be implemented and demonstrated in 8 pilot areas representative of key European intensive crop production systems in Spain, Italy, Greece, Netherlands, Czech Republic, Austria, France, Turkey.

Project's Participants List

FATIMA

FArming Tools for external nutrient Inputs and water MAnagement

Project's participants	Name	Country
1	UNIVERSIDAD DE CASTILLA - LA MANCHA	ES
2	INSTITUTO TECNICO AGRONOMICO PROVINCIAL SA	ES
3	ALIARA AGRÍCOLA SL	ES
4	ARIESPACE SRL	IT
5	CONSIGLIO PER LA RICERCA IN AGRICOLTURA E L'ANALISI DELL'ECONOMIA AGRARIA	IT
6	DOISECO UNIPESSOAL LDA	PT
7	STICHTING VU	NL
8	INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE	FR
9	METCENAS OPS	CZ
10	VYZKUMNY USTAV MELIORACI A OCHRANY PUDY VVI	CZ
11	BALTIC OPEN SOLUTIONS CENTER	LV
12	MOUSEIO GOULANDRI FYSIKIS ISTORIAS	EL
13	ELLINIKOS GEORGIKOS ORGANISMOS - DIMITRA	EL
14	AGRICULTURAL UNIVERSITY OF ATHENS	EL
15	RED COAST INTERNATIONAL EOOD	BG
16	DRAXIS ENVIRONMENTAL S.A.	EL
17	UNIVERSITAET FUER BODENKULTUR WIEN	AT
18	OSTERREICHISCHE AGENTUR FUR GESUNDHEIT UND ERNAHRUNGSSICHERHEIT GMBH	AT
19	NIKOLAOS SPYROPOULOS	DE
20	MINISTRY OF FOOD AGRICULTURE AND LIVESTOCK	TR
21	EA-TEK ULUSLARARASI ARASTIRMA GELISTIRME MUHENDISLIK Y AZILIM VE DANISMANLIK LIMITED SIRKETI	TR

At a glance

Framework: H2020

Project number: 643712

Acronym: GreenBubbles

Title: Green Bubbles RISE for sustainable diving

Call: H2020-MSCA-RISE-2014

Instrument: MSCA-RISE - RISE

Start date: 01/01/2015

End date: 31/12/2018

Duration: 48 months

Total Cost: € 1,620,000.00

EU Contribution: € 1,611,000.00

Consortium: 6 participants

Project coordinator: UNIVERSITA POLITECNICA DELLE MARCHE, IT

GreenBubbles

Green Bubbles RISE for sustainable diving

Abstract

Recreational SCUBA divinga has become a mass leisure activity engaging millions of divers worldwide. The diving industry generates large direct and indirect revenues for coastal communities and Marine Protected Areas (MPAs). Other benefits linked to diving include the promotion of ocean stewardship, contribution to scientific research, fostering social inclusion and personal development. Yet, diving has also negative impacts, due to damage or disturbance of marine habitats and organisms and to conflicts with local communities for the access to/use of the same resources, equity issues, or cultural clashes. These aspects clearly relate to the three pillars of sustainability, covering environmental, economic and social dimensions and can only be addressed by a systemic approach. The central objective of GREEN BUBBLES is to maximise the benefits associated with diving while minimising its negative impacts, thus achieving the environmental, economic and social sustainability of the system. This will be done by: 1) Carefully assessing and modelling the system itself; 2) Developing innovative products based on the issues and needs highlighted by assessment and modelling; 3) Promoting the uptake of such products by the system designing tailored business models and marketing plans. Direct engagement with selected stakeholders (divers, professionals, diving operators, certification agencies - CAs, MPAs, NGOs) will ensure relevant feedback throughout the project's lifetime, as well as effective uptake of results at the end of the project. Cutting across sectors and disciplines, and engaging participants from 3 continents, GREEN BUBBLES will put the European diving system in focus thanks to dedicated R&I with, about and for the European diving industry and will take advantage of parallel comparative work on the much more studied coral reef diving system.

Project's Participants List

GreenBubbles

Green Bubbles RISE for sustainable diving

Project's participants	Name	Country
1	UNIVERSITA POLITECNICA DELLE MARCHE	IT
2	STUDIO ASSOCIATO GAIA SNC DEI DOTTORI ANTONIO SARA E MARTINA MILANESE	IT
3	UBICA SRL	IT
4	BOGAZICI ULUSLARARASI EGITIM DANISMANLIK MERKEZI VE TICARET LIMITED SIRKETI	TR
5	DIVERS ALERT NETWORK EUROPE FOUNDATION	MT
6	STICHTING NHTV INTERNATIONALE HOGESCHOOL BREDA	NL

At a glance

Project number: 654410

Acronym: JERICO-NEXT

Title: Joint European Research Infrastructure network for Coastal Observatory – Novel European eXpertise for coastal observaTories

Call: H2020-INFRAIA-2014-2015

Instrument: Research and Innovation action

Start date: 01/09/2015

End date: 31/08/2019

Duration: 48 months

Total Cost: € 9,998,876.47

EC Contribution: € 9,998,876.47

Consortium: 33 participants

Project coordinator: INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER, FR

JERICO-NEXT

Joint European Research Infrastructure network for Coastal Observatory – Novel European eXpertise for coastal observaTories

Abstract

The coastal area is the most productive and dynamic environment of the world ocean with significant resources and services for mankind. JERICO-NEXT (33 organizations from 15 countries) emphasizes that the complexity of the coastal ocean cannot be well understood if interconnection between physics, biogeochemistry and biology is not guaranteed. Such integration requires new technological developments allowing continuous monitoring of a larger set of parameters. In the continuity of JERICO(FP7), the objective of JERICO-NEXT consists in strengthening and enlarging a solid and transparent European network in providing operational services for the timely, continuous and sustainable delivery of high quality environmental data and information products related to marine environment in European coastal seas Other objectives are: Support European coastal research communities, enable free and open access to data, enhance the readiness of new observing platform networks by increasing the performance of sensors, showcase of the adequacy of the so-developed observing technologies and strategies, propose a medium-term roadmap for coastal observatories through a permanent dialogue with stakeholders. Innovation JERICO-NEXT is based of a set of technological and methodological innovations. One main innovation potential is to provide a simple access to a large set of validated crucial information to understand the global change in coastal areas. Although JERICO-NEXT already includes industrial partners, it will be open to other research institutes, laboratories and private companies which could become associated partners to the project. Added values of JERICO NEXT JERICO-RI shall send data and information in an operational mode to European data systems, with dedicated service access. One of the strengths of JERICO-NEXT lies in the fact that technological and methodological developments shall be deployed in natural environment.

Project's Participants List

JERICO-NEXT

Joint European Research Infrastructure network for Coastal Observatory – Novel European eXpertise for coastal observaTories

Project's participants	Name	Country
1	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	FR
2	FUNDACION AZTI - AZTI FUNDAZIOA	ES
3	BLUE LOBSTER IT LIMITED	UK
4	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	UK
5	CENTRO EURO-MEDITERRANEO SUI CAMBIAMENTI CLIMATICI SCARL	IT
6	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
7	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	FR
8	AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	ES
9	STICHTING DELTARES	NL
10	ETT SPA	IT
11	EUROGOOS AISBL	BE
12	FLUIDION	FR
13	ILMATIETEEN LAITOS	FI
14	HELLENIC CENTRE FOR MARINE RESEARCH	EL
15	HELMHOLTZ-ZENTRUM GEESTHACHT ZENTRUM FUR MATERIAL- UND KUSTENFORSCHUNG GMBH	DE
16	INSTITUTO HIDROGRAFICO	PT
17	HAVFORSKNINGSINSTITUTTET	NO
18	INSTITUTE OF OCEANOLOGY - BULGARIAN ACADEMY OF SCIENCES	BG
19	INTERNATIONAL RESEARCH INSTITUTE OFSTAVANGER AS	NO
20	MARIENE INFORMATIE SERVICE MARIS BV	NL
21	MARINE INSTITUTE	IE
22	NORSK INSTITUTT FOR VANNFORSKNING	NO
23	ISTITUTO NAZIONALE DI OCEANOGRAFIA E DI GEOFISICA SPERIMENTALE	IT
24	MINISTERIE VAN INFRASTRUCTUUR EN MILIEU	NL
25	SLR ENVIRONMENTAL CONSULTING(IRELAND)LIMITED	IE
26	SMARTBAY IRELAND LIMITED	IE
27	SVERIGES METEOROLOGISKA OCH HYDROLOGISKA INSTITUT	SE
28	SOCIB - CONSORCIO PARA EL DISENO, CONSTRUCCION, EQUIPAMIENTO Y EXPLOTACION DEL SISTEMA DE OBSERVACION COSTERO DE LAS ILLES BALEARS	ES
29	SUOMEN YMPARISTOKESKUS	FI
30	UNIVERSITA TA MALTA	MT
31	UNIVERSITAT POLITECNICA DE CATALUNYA	ES
32	VLAAMS INSTITUUT VOOR DE ZEE VZW	BE
33	EURO-ARGO ERIC	FR

At a glance

Framework: H2020

Project number: 710566

Acronym: MARINA

Title: Marine Knowledge Sharing Platform for Federating Responsible Research and Innovation Communities

Call: H2020-ISSI-2015-1

Instrument: CSA - Coordination and support action

Start date: 01/05/2016

End date: 30/04/2019

Duration: 36 months

Total Cost: € 2,999,943.75

EU Contribution: € 2,999,943.75

Consortium: 14 participants

Project coordinator: CONSIGLIO NAZIONALE DELLE RICERCHE, IT

MARINA

Marine Knowledge Sharing Platform for Federating Responsible Research and Innovation Communities

Abstract

The Marina proposal overall aim is to create an all-inclusive Knowledge Sharing Platform (KSP) catalysing and organising the convergence of already existing networks, communities, on-line platforms and services providing an online socio-technical environment that facilitates and stimulates the direct engagement of researchers, Civil Society Organisations (CSOs), citizens, industry stakeholders, policy and decision makers, research funders and communicators for improving Responsible Research and Innovation. In particular, the project will establish, curate and experiment a Responsible Research and Innovation platform involving societal actors working together during the whole research and innovation process for aligning better both the process and its outcomes, with the values, needs and expectations of European society, integrating citizens visions, needs and desires into science and innovation, promoting RRI with focus on marine issues and pressures that have important effects on the European societies. The project activities and outcomes, even if connected with marine research field, will define this systematic approach in order to make it transferable and reproducible for any RRI thematic domain. All project results and activities will be extrapolated from the RRI marine field to general RRI and broadly disseminated. The expected outcome of the Work Programme is a clear improvement of the integration of society in science and innovation. The MARINA project will follow this strategic line of “strengthening and facilitating” the capacity of the research and innovation to align and integrate the social needs through a suitable knowledge sharing platform and federating activities.

Project's Participants List

MARINA

Marine Knowledge Sharing Platform for Federating Responsible Research and Innovation Communities

Project's participants	Name	Country
1	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
2	Istituto Superiore per la Protezione e la Ricerca Ambientale	IT
3	XPRO CONSULTING LIMITED	CY
4	FUNDACAO EUROCEAN	PT
5	ORGANIZATIA ECOLOGISTA NEGUVERNAMENTALA MARE NOSTRUM	RO
6	SIHTASUTUS TEADUSKESKUS AHHAA	EE
7	SMARTBAY IRELAND	IE
8	CYPRUS NEUROSCIENCE AND TECHNOLOGY INSTITUTE	CY
9	AGENZIA PER LA PROMOZIONE DELLA RICERCA EUROPEA	IT
10	SOCIETE D'EXPLOITATION DU CENTRE NATIONAL DE LA MER	FR
11	RESEAU OCEAN MONDIAL AISBL	BE
12	Asociacion - Centro de Investigacion Cooperativa en Nanociencias - CIC NANOGUNE	ES
13	AALBORG UNIVERSITET	DK
14	ISTANBUL UNIVERSITESI	TR

MarTERA

Maritime and Marine Technologies for a New ERA

At a glance

Framework: H2020

Project number: 728053

Acronym: MarTERA

Title: Maritime and Marine Technologies for a New ERA

Call: H2020-BG-2016-1

Instrument: ERA-NET-Cofund

Start date: 01/12/2016

End date: 30/11/2021

Duration: 60 months

Total Cost: : € 31,118,822.00

EC Contribution: € 10,269,211.26

Consortium: 18 participants

Project coordinator:
FORSCHUNGSZENTRUM JULICH GMBH, DE

Abstract

The overall goal of the proposed Cofund is to strengthen the European Research Area (ERA) in maritime and marine technologies and Blue Growth. The realisation of a European research and innovation agenda needs a broad and systematic cooperation in all areas of waterborne transport, offshore activity, marine resources, maritime security, biotechnologies, desalination, offshore oil & gas, fisheries, aquaculture etc. covering all relevant maritime and marine sectors and regions for a sustainable development of the maritime sector. Research and innovation activities in these fields cannot be tackled either at national levels alone, or solely by a single sector. Coordinated actions are required for the maritime industry to strengthen Europe's position in this important and complex economic field in a global market. The proposing consortium will organise and co-fund, together with the EU, a joint call for trans-national research projects on different thematic areas of Blue Growth. Furthermore, additional joint activities that go beyond this co-funded call are planned, in order to contribute to the national priorities as well as to the Strategic Research Agenda of JPI Oceans and WATERBORNE. With the cooperation of ERA-NET MARTEC and JPI Oceans, a broader variety of topics with a larger amount of funding will be available for the trans-national projects. Moreover, the focus of development in MarTERA is given to technologies (instead of sectors) due to their potentially large impact to a wide range of application fields. The proposal responds to the topic ERA-NET Cofund on marine technologies of the work programme 2016-2017 of the societal challenge 2 (Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bio-economy) under Horizon 2020. Thereby it also contributes to the overall EU objective of building the ERA through enhanced cooperation and coordination of national research programmes.

Project's Participants List

MarTERA

Maritime and Marine Technologies for a New ERA

Project's participants	Name	Country
1	FORSCHUNGSZENTRUM JULICH GMBH FORSCHUNGSZENTRUM JULICH GMBH	DE
2	BUNDESMINISTERIUM FUER WIRTSCHAFT UND TECHNOLOGIE	DE
3	MINCyT Ministerio de Ciencia, Tecnología e Innovación Productiva	AR
4	NAS OF BELARUS NATIONAL ACADEMY OF SCIENCES OF BELARUS	BY
5	HERMESFOND FONDS FLANKEREND ECONOMISCH EN INNOVATIEBELEID	BE
6	ANR AGENCE NATIONALE DE LA RECHERCHE	FR
7	MEEM MINISTERE DE L'ENVIRONNEMENT, DE L'ENERGIE ET DE LA MER	FR
8	MARINE INSTITUTE	IE
9	MIUR MINISTERO DELL'ISTRUZIONE, DELL'UNIVERSITA' E DELLA RICERCA	IT
10	MINISTRY FOR EDUCATION AND EMPLOYMENT	MT
11	NWO NEDERLANDSE ORGANISATIE VOOR WETENSCHAPPELIJK ONDERZOEK	NL
12	THE RESEARCH COUNCIL OF NORWAY NORGES FORSKNINGSRAD	NO
13	NCBR NARODOWE CENTRUM BADAN I ROZWOJU	PL
14	FCT FUNDACAO PARA A CIENCIA E A TECNOLOGIA	PT
15	UEFISCDI Unitatea Executiva pentru Finantarea Invatamantului Superior, a Cercetarii, Dezvoltarii si Inovarii	RO
16	CDTI CENTRO PARA EL DESARROLLO TECNOLOGICO INDUSTRIAL.	ES
17	TUBITAK TURKIYE BILIMSEL VE TEKNOLOJIK ARASTIRMA KURUMU	TR
18	DEPARTMENT OF SCIENCE AND TECHNOLOGY	ZA

At a glance

Framework: H2020

Project number: 775636

Acronym: MASS

Title: Micro AIS Shore Station - MASS

Call: H2020-SMEINST-1-2016-2017

Instrument: SME-1 - SME instrument phase 1

Start date: 01/06/2017

End date: 30/11/2017

Duration: 6 months

Total Cost: € 71,429.00

EU Contribution: € 50,000.00

Consortium: 1 participant

Project coordinator and participant: IMARINE DENIZ TEKNOLOJILERI VE ARASTIRMALARI SANAYI VE TICARET ANONIMSIRKETI, TR

MASS

Micro AIS Shore Station - MASS

Abstract

Automatic Identification System (AIS) is a VHF based system which is designated to enhance the safety of life and goods at sea by also assuring navigational and environmental improvements. The coverage of national AIS networks are limited because of many reasons (geography, weather conditions, insufficient number of stations etc.) and due to these limitations relevant authorities have difficulties to track and manage the marine traffic properly; causing safety and security weaknesses at sea which also means increased threats of accidents, illegal fishing, immigration & smuggling and water pollution. MASS is a cost-effective, compact-solar powered Micro AIS Shore Station; which is easy to set-up & maintain with lower power consumption rates thanks to its innovative AIS engine. MASS increases safety and security of coasts by enabling advanced monitoring of sea shores, inland waters & lakes and thus eliminating blind spots which are mainly out of the coverage of conventional AIS networks. In order to address this challenge, i-Marine offers a compact-solar powered Micro AIS Shore Station (MASS) which allows better monitoring of sea shores, inland waters and lakes which are mainly out of AIS coverage. MASS is nearly 4 times cost effective over conventional AIS base stations; operates at lower power consumption rates and can operate without a fixed power supply. The objective of this proposal is to prepare a proper feasibility study, which will pave the way to successful introduction and diffusion of MASS into global market and maximize its impact in order to better contribute to European transport and mobility goals defined in 2011 Transport White Paper of European Commission.

At a glance

Framework: H2020

Project number: 689518

Acronym: MERCES

Title: Marine Ecosystem Restoration in Changing European Seas

Call: H2020-SC5-2015-two-stage

Instrument: RIA - Research and Innovation action

Start date: 01/06/2016

End date: 31/05/2020

Duration: 48 months

Total Cost: € 6,651,118.20

EU Contribution: € 6,651,118.20

Consortium: 29 participants

Project coordinator: UNIVERSITA POLITECNICA DELLE MARCHE, IT

MERCES

Marine Ecosystem Restoration in Changing European Seas

Abstract

The project MERCES is focused on the restoration of different degraded marine habitats, with the aim of: 1) assessing the potential of different technologies and approaches; 2) quantifying the returns in terms of ecosystems services and their socio-economic impacts; 3) defining the legal-policy and governance frameworks needed to optimize the effectiveness of the different restoration approaches. Specific aims include: a) improving existing, and developing new, restoration actions of degraded marine habitats; b) increasing the adaptation of EU degraded marine habitats to global change; c) enhancing marine ecosystem resilience and services; d) conducting cost-benefit analyses for marine restoration measures; e) creating new industrial targets and opportunities. To achieve these objectives MERCES created a multi-disciplinary consortium with skills in marine ecology, restoration, law, policy and governance, socio-economics, knowledge transfer, dissemination and communication. MERCES will start from the inventory of EU degraded marine habitats (WP1), conduct pilot restoration experiments (WP2, WP3, WP4), assess the effects of restoration on ecosystem services (WP5). The legal, policy and governance outputs will make effective the potential of marine restoration (WP6) and one dedicated WP will assess the socio-economic returns of marine ecosystems' restoration (WP7). The transfer of knowledge and the links with the industrial stakeholders will be the focus of WP8. The results of MERCES will be disseminated to the widest audience (WP9). The project will be managed through a dedicated management office (WP10). MERCES will contribute to the Blue Growth by: i) improving the EU scientific knowledge on marine restoration, ii) contributing to EU Marine Directives; iii) implementing the Restoration Agenda, iv) enhancing the industrial capacity in this field, v) increasing the competitiveness of EU in the world market of restoration, and vi) offering new employment opportunities.

Project's Participants List

MERCES

Marine Ecosystem Restoration in Changing European Seas

Project's participants	Name	Country
1	UNIVERSITA POLITECNICA DELLE MARCHE	IT
2	AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS	ES
3	HELLENIC CENTRE FOR MARINE RESEARCH	EL
4	IMAR- INSTITUTO DO MAR	PT
5	ALFRED-WEGENER-INSTITUT HELMHOLTZ- ZENTRUM FUER POLAR- UND MEERESFORSCHUNG	DE
6	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	FR
7	NATIONAL UNIVERSITY OF IRELAND, GALWAY	IE
8	WAGENINGEN UNIVERSITY	NL
9	AALBORG UNIVERSITET	DK
10	ABO AKADEMI	FI
11	TARTU ULIKOOL	EE
12	FACULTY OF SCIENCE UNIVERSITY OF ZAGREB	HR
13	CONSORZIO NAZIONALE INTERUNIVERSITARIO PER LE SCIENZE DEL MARE ASSOCIAZIONE	IT
14	STICHTING NIOZ, KONINKLIJK NEDERLANDS INSTITUUT VOOR ONDERZOEK DER ZEE	NL
15	ECOPATH INTERNATIONAL INITIATIVE ASOCIACION	ES
16	STICHTING KATHOLIEKE UNIVERSITEIT	NL
17	NORSK INSTITUTT FOR VANNFORSKNING	NO
18	NATURAL ENVIRONMENT RESEARCH COUNCIL	UK
19	ECOREACH SRL	IT
20	Median SCP	ES
21	STUDIO ASSOCIATO GAIA SNC DEI DOTTORI ANTONIO SARA E MARTINA MILANESE	IT
22	DEEP SEAS ENVIRONMENTAL SOLUTIONS LTD	UK
23	Marine Law and Ocean Policy Research Services Ltd	IE
24	WWF ITALIA	IT
25	WCMC LBG	UK
26	AKDENIZ KORUMA DERNEGI	TR
27	UNIVERSITAT DE BARCELONA	ES
28	HERIOT-WATT UNIVERSITY	UK
29	IODINE SPRL	BE

At a glance

Framework: H2020

Project number: 633085

Acronym: MyOcean FO

Title: Pre-Operational Marine Service Continuity in Transition towards Copernicus

Call: H2020-Adhoc-2014-20

Instrument: CSA - Coordination and support action

Start date: 01/10/2014

End date: 31/05/2015

Duration: 8 months

Total Cost: € 6,000,000.04

EC Contribution: € 6,000,000.00

Consortium: 57 participants

Project coordinator: MERCATOR OCEAN, FR

MyOcean FO

Pre-Operational Marine Service Continuity in Transition towards Copernicus

Abstract

The main objective of the MyOcean Follow On project will be to operate a rigorous, robust and sustainable Ocean Monitoring and Forecasting component of the pre-operational Copernicus Marine Service delivering ocean physical state and ecosystem information to intermediate and downstream users in the areas of marine safety, marine resources, marine and coastal environment and weather, climate and seasonal forecasting. This is highly consistent with the objective of the HORIZON 2020 Work Programme 2014-2015 establishing the need for interim continuity of the pre-operational services developed by MyOcean 2 before the fully operational services of Copernicus. The project proposes to sustain the current pre-operational marine activities until March 2015 in order to avoid any interruption in the critical handover phase between pre-operational and fully operational services. In effect, any significant interruption in these services could potentially jeopardize several important high-level policy objectives and undermine other related scientific activities. In the period from October 2014 to March 2015, MyOcean-FO will ensure a controlled continuation and extension of the services already implemented in MyOcean and MyOcean2 FP7 projects that have advanced the pre-operational marine service capabilities. To enable the move to full operations, MyOcean-FO is targeting the prototype operations, and developing the management and coordination to continue the provision of Copernicus Marine service products and the link with independent R&D activities. MyOcean-FO will produce and deliver services based upon the common-denominator ocean state variables that are required to help meet the needs for information for environmental and civil security policy making, assessment and implementation. MyOcean-FO is also expected to have a significant impact on the emergence of a technically robust and sustainable Copernicus Service infrastructure in Europe.

Project's Participants List

MyOcean FO

Pre-Operational Marine Service Continuity in Transition towards Copernicus

Project's participants	Name	Country
1	MERCATOR OCEAN	FR
2	MET OFFICE	UK
3	ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA	IT
4	STIFTELSEN NANSEN SENTER FOR MILJOOG FJERNMALING	NO
5	DANMARKS METEOROLOGISKE INSTITUT	DK
6	Puertos del Estado	ES
7	COLLECTE LOCALISATION SATELLITES SA	FR
8	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	FR
9	METEO-FRANCE	FR
10	KONINKLIJK NEDERLANDS METEOROLOGISCH INSTITUUT-KNMI	NL
11	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
12	METEOROLOGISK INSTITUTT	NO
13	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	FR
14	HELLENIC CENTRE FOR MARINE RESEARCH	EL
15	SVERIGES METEOROLOGISKA OCH HYDROLOGISKA INSTITUT	SE
16	EDISOFT-EMPRESA DE SERVICOS E DESENVOLVIMENTO DE SOFTWARE SA	PT
17	INSTITUT NATIONAL DE RECHERCHE HALIEUTIQUE	MA
18	INSTITUTE OF OCEANOLOGY - BULGARIAN ACADEMY OF SCIENCES	BG
19	UNIVERSITY OF CYPRUS	CY
20	BUNDESAMT FUR SEESCHIFFFAHRT UND HYDROGRAPHIE	DE
21	BROCKMANN CONSULT GMBH	DE
22	DANMARKS TEKNISKE UNIVERSITET	DK
23	AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS	ES
24	STARLAB BARCELONA SL	ES
25	TALLINNA TEHNIKAULIKOOL	EE
26	TRE ALTAMIRA SLU	ES
27	ACRI-ST SAS	FR
28	ILMATIETEEN LAITOS	FI
29	AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE	IT
30	ISTITUTO NAZIONALE DI OCEANOGRAFIA E DI GEOFISICA SPERIMENTALE	IT
31	Istituto Superiore per la Protezione e la Ricerca Ambientale	IT
32	ISRAEL OCEANOGRAPHIC AND LIMNOLOGICAL RESEARCH LIMITED	IL
33	HAVFORSKNINGSINSTITUTTET	NO
34	INSTITUTO ESPANOL DE OCEANOGRAFIA	ES
35	UNIVERSITA TA MALTA	MT
36	INSTITUTO SUPERIOR TECNICO	PT
37	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE MARINA GRIGORE	RO

	ANTIPA	
38	FONDAZIONE CENTRO EURO-MEDITERRANEO SUI CAMBIAMENTI CLIMATICI	IT
39	NATURAL ENVIRONMENT RESEARCH COUNCIL	UK
40	PLYMOUTH MARINE LABORATORY	UK
41	THE UNIVERSITY OF READING	UK
42	MARINE INSTITUTE	IE
43	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	UK
44	INSTITUT ROYAL DES SCIENCES NATURELLES DE BELGIQUE	BE
45	HELMHOLTZ-ZENTRUM GEESTHACHT ZENTRUM FUR MATERIAL- UND KUSTENFORSCHUNG GMBH	DE
46	NORSK INSTITUTT FOR VANNFORSKNING	NO
47	ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON	EL
48	NACIONALNI INSTITUT ZA BIOLOGIJO	SI
49	AARHUS UNIVERSITET	DK
50	EUROPEAN CENTRE FOR MEDIUM-RANGE WEATHER FORECASTS	UK
51	SUOMEN YMPARISTOKESKUS	FI
52	LATVIJAS UNIVERSITATE	LV
53	APLINKOS APSAUGOS AGENTURA	LT
54	INSTYTUT MORSKI W GDANSKU	PL
55	MIDDLE EAST TECHNICAL UNIVERSITY	TR
56	UNIVERSITY OF PLYMOUTH	UK
57	Scientific foundation Nansen International Environmental and Remote Sensing Centre	RU

At a glance

Framework: H2020

Project number: 691554

Acronym: NEPTUNE

Title: New cross sEctorial value chains creation across EuroPe faciliTated by clUsters for SMEs's INnovation in BluE Growth

Call: H2020-INNOSUP-2015-1

Instrument: IA - Innovation action

Start date: 01/07/2016

End date: 31/12/2018

Duration: 30 months

Total Cost: € 4,198,379.12

EU Contribution: € 4,158,735.25

Consortium: 13 participants

Project coordinator: AEROSPACE VALLEY, FR

NEPTUNE

New cross sEctorial value chains creation across EuroPe faciliTated by clUsters for SMEs's INnovation in BluE Growth

Abstract

The EU faces huge challenges in food security, sustainable agriculture, marine and maritime and inland water management. Blue Growth solutions can play an important role in meeting these challenges and unlock the potential of oceans and inland water for the benefit of European competitiveness. Blue Growth is identified as a key emerging industry to be supported via inter cluster collaboration as well as a key driver for the EU economy. NEPTUNE aims at developing new cross-sectoral and cross-border industrial value-chains, including notably SMEs, to foster the development of Blue Growth industries in Europe and beyond. This will be based on the construction or reconfiguration of value chains driven by the integration of new technologies and know-how between Water, Aerospace, ICT and Agriculture industries. NETPUNE addresses in particular three key aspects of Blue Growth that have a great potential to benefit from such collaboration and SME innovation support: (i) Water management in urban and rural environments; (ii) Fluvial and maritime transport and port logisitics; (iii) Environment and renewable marine energy. From a methodological perspective, NEPTUNE focuses on two main concepts: the innovative Open Space Platform that refers to the collaborative space and innovation animation techniques via a project emergence methodology that helps SMEs and other stakeholders to identify market trends and opportunities and support the incubation of Blue Growth projects and innovation ideas. NEPTUNE expects to support at least 100 SMEs for the development of 40 new innovative solutions. NEPTUNE brings together 10 of Europe's leading clusters from 7 countries and 2 additional innovation, creativity and inter-cluster expert organisations to implement this ambitious project.

Project's Participants List

NEPTUNE

New cross sEctorial value chains creation across EuroPe faciliTated by clUsters for SMEs's INnovation in BluE Growth

Project's participants	Name	Country
1	AEROSPACE VALLEY	FR
2	ZWIAZEK PRACODAWCOW SEKTORA KOSMICZNEGO	PL
3	ATHINA-EREVNITIKO KENTRO KAINOTOMIAS STIS TECHNOLOGIES TIS PLIROFOFORIAS, TON EPIKOLNONION KAI TIS GNOSIS	EL
4	FUNDACIO EURECAT	ES
5	IDEON AB	SE
6	TOULON VAR TECHNOLOGIES	FR
7	Fondazione Parco Tecnologico Padano	IT
8	ASOCIACION CLUSTER DE MOVILIDAD Y LOGISTICA DE EUSKADI	ES
9	AGENTIA DE DEZVOLTARE REGIONALA NORD-VEST	RO
10	AGENCE DE DEVELOPPEMENT ET D'INNOVATION AQUITAINE LIMOUSIN POITOU CHARENTES	FR
11	CHAMBRE DE COMMERCE ET D'INDUSTRIE DE BAYONNE PAYS BASQUE	FR
12	INNO TSD	FR
13	ECOLE SUPERIEURE DES TECHNOLOGIES INDUSTRIELLES AVANCEES	FR

At a glance

Framework: H2020

Project number: 654310

Acronym: ODIP 2

Title: Extending the Ocean Data Interoperability Platform

Call: H2020-INFRASUPP-2014-2

Instrument: CSA - Coordination and support action

Start date: 01/04/2015

End date: 31/03/2018

Duration: 36 months

Total Cost: € 1,912,086.25

EU Contribution: € 1,912,086.25

Consortium: 19 participants

Project coordinator: NATURAL ENVIRONMENT RESEARCH COUNCIL, UK

ODIP 2

Extending the Ocean Data Interoperability Platform

Abstract

The Ocean Data Interoperability Platform project is promoting the development of a common global framework for marine data management by developing interoperability between existing regional e-infrastructures. Through a series of international workshops attracting relevant domain experts a number of prototype interoperability solutions will be developed which will be implemented by the regional data infrastructures to provide users with open access to good quality multidisciplinary data and associated services. Improved access to a range of marine data will facilitate re-use of the data and support researchers in addressing grand challenges such as climate change and conservation of marine resources.

Project's Participants List

ODIP 2

Extending the Ocean Data Interoperability Platform

Project's participants	Name	Country
1	NATURAL ENVIRONMENT RESEARCH COUNCIL	UK
2	MARIENE INFORMATIE SERVICE MARIS BV	NL
3	ISTITUTO NAZIONALE DI OCEANOGRAFIA E DI GEOFISICA SPERIMENTALE	IT
4	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	FR
5	HELLENIC CENTRE FOR MARINE RESEARCH	EL
6	AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE	IT
7	UNIVERSITE DE LIEGE	BE
8	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
9	INSTITUT ROYAL DES SCIENCES NATURELLES DE BELGIQUE	BE
10	NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO	NL
11	ALFRED-WEGENER-INSTITUT HELMHOLTZ- ZENTRUM FUER POLAR- UND MEERESFORSCHUNG	DE
12	BUNDESAMT FUR SEESCHIFFFAHRT UND HYDROGRAPHIE	DE
13	ALL-RUSSIAN RESEARCH INSTITUTE OF HYDROMETEOROLOGICAL INFORMATION-WORLD DATA CENTRE	RU
14	VLAAMS INSTITUUT VOOR DE ZEE VZW	BE
15	UNIVERSITAET BREMEN	DE
16	AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS	ES
17	52°North Initiative for Geospatial Open Source Software GmbH	DE
18	IEEE FRANCE SECTION	FR
19	SOCIB - CONSORCIO PARA EL DISENO, CONSTRUCCION, EQUIPAMIENTO Y EXPLOTACION DEL SISTEMA DE OBSERVACION COSTERO DE LAS ILLES BALEARS	ES

At a glance

Framework: H2020

Project number: 652643

Acronym: Respon-Sea-ble

Title: Sustainable oceans : our collective responsibility, our common interest. Building on real-life knowledge systems for developing interactive and mutual learning media

Call: H2020-BG-2014-1

Instrument: Coordination & support action

Start date: 01/04/2015

End date: 31/03/2019

Duration: 48 months

Total Cost: € 3.696.644,00

EC Contribution: € 3.696.644,00

Consortium: 15 participants

Project coordinator: ACTEON SARL, FR

Respon-Sea-ble

Sustainable oceans: our collective responsibility, our common interest. Building on real-life knowledge systems for developing interactive and mutual learning media

Abstract

The project will develop well-targeted and sound communication material that raises awareness on our (individual and collective) responsibility and interest in ensuring the sustainability of the ocean and of its ecosystems.

The project builds on critical assessments of: (1) existing communication strategies, material and governance that focuses on the ocean; (2) the values, perceptions and understanding of the state, functioning and role of the ocean by different types of stakeholders and of the wider public; (3) the (scientific) knowledge that exist on the ocean-human relationship, in particular in terms of ecosystem services that can be delivered by ocean ecosystems and support (future) development opportunities and blue growth and of pressures that are imposed on the oceans. These critical assessments will help identifying priority target groups with key responsibilities and interests in the state of our oceans - today and in the future.

Within a participatory process involving the stakeholders of the knowledge creation & sharing system from four European marine regions (Baltic Sea, Mediterranean Sea, Northern Sea and Atlantic _ including in its transatlantic dimension), and building on the scientific knowledge-based established and on project-dedicated IT structure/platform, the project will then develop and test under real conditions innovative communication tools. Key principles guiding this development will be interactivity, mutual learning, creativity and entertainment.

Finally, specific activities will be performed for ensuring proposed communication tools are made accessible and available to their future users in Europe but also elsewhere.

Project's Participants List

Respon-Sea-ble

Sustainable oceans: our collective responsibility, our common interest. Building on real-life knowledge systems for developing interactive and mutual learning media

Project's participants	Name	Country
1	ACTEON SARL	FR
2	STIFTELSEN GRID ARENDAL	NO
3	NATIONAL UNIVERSITY OF IRELAND, GALWAY	IE
4	STICHTING PROSEA MARINE EDUCATION	NL
5	COFAC COOPERATIVA DE FORMACAO E ANIMACAO CULTURAL CRL	PT
6	INSTITUTUL NATIONAL DE CERCETARE DEZVOLTARE DELTA DUNARII	RO
7	NORSK INSTITUTT FOR VANNFORSKNING	NO
8	CSP - INNOVAZIONE NELLE ICT S.C.A.R.L.	IT
9	BALTIC ENVIRONMENTAL FORUM DEUTSCHLAND EV	DE
10	FUNDACION AZTI - AZTI FUNDAZIOA	ES
11	THE MARINE FOUNDATION LIMITED	UK
12	SEVEN ENGINEERING CONSULTANTS OE	EL
13	UNIVERSITE DE BRETAGNE OCCIDENTALE	FR
14	UNIVERSITY OF PLYMOUTH	UK
15	TELEVISION FOR THE ENVIRONMENT	UK

At a glance

Framework: H2020

Project number: 677363

Acronym: SALSA

Title: Small farms, small food businesses and sustainable food security

Call: H2020-SFS-2015-2

Instrument: RIA - Research and Innovation action

Start date: 01/04/2016

End date: 31/03/2020

Duration: 48 months

Total Cost: € 4,958,172.50

EU Contribution: € 4,958,172.50

Consortium: 17 participants

Project coordinator: UNIVERSIDADE DE EVORA, PT

SALSA

Small farms, small food businesses and sustainable food security

Abstract

SALSA will assess the role of small farms and small food businesses in delivering a sustainable and secure supply of affordable, nutritious and culturally adequate food. SALSA will identify the mechanisms which, at different scales, can strengthen the role of small farms in food systems and thereby support sustainable food and nutrition security (FNS). By considering a gradient of 30 reference regions in Europe and in Africa, we will obtain a differentiated understanding of the role of small farms and small food businesses in very differently structured food systems and situations. SALSA will elaborate and implement a transdisciplinary, multi-scale approach that builds on and connects relevant theoretical and analytical frameworks within a food systems approach, and that uses qualitative, consultative and quantitative methods. We will also test a new combination of data-based methods and tools (including satellite technologies) for rigorously assessing in quantitative terms the interrelationships between small farms, other small food businesses and FNS, paying particular attention to limiting and enabling factors. SALSA will use participatory methods, at regional level, and establish a more global Community of Practice and multi-stakeholder learning platform, based on FAO's TECA online communication and learning platform. The SALSA consortium, and the joint learning and close cooperation, have both been designed with the EU - Africa dialogue in mind. Responding to the call we will unravel the complex interrelationships between small farms, small food businesses and FNS, and unfold the role played by small farms in (a) the balance between the different dimensions of sustainability, (b) maintaining more diverse production systems, (c) supporting the urban/rural balance in terms of labour and (d) in facilitating territorial development in countries facing a strong rural population growth.

Project's Participants List

SALSA

Small farms, small food businesses and sustainable food security

Project's participants	Name	Country
1	UNIVERSIDADE DE EVORA	PT
2	UNIVERSITA DI PISA	IT
3	NODIBINAJUMS BALTIC STUDIES CENTRE	LV
4	THE JAMES HUTTON INSTITUTE	UK
5	STIFTELSEN NORSK SENTER FOR BYGDEFORSKNING	NO
6	UNIWERSYTET ROLNICZY IM. HUGONA KOLLATAJA W KRAKOWIE	PL
7	HIGHCLERE CONSULTING SRL	RO
8	UNIVERSITAT POLITECNICA DE VALENCIA	ES
9	International Institute for Environment and Development	UK
10	AGRICULTURAL UNIVERSITY OF ATHENS	EL
11	UNIVERSIDADE DE CABO VERDE	CV
12	UNIVERSITY FOR DEVELOPMENT STUDIES	GH
13	AFRICAN CENTRE FOR TECHNOLOGY STUDIES	KE
14	INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE DE TUNISIE	TN
15	INTERNATIONAL CENTRE FOR RESEARCH IN AGROFORESTRY	KE
16	FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS FAO	IT
17	Coldiretti	IT

SUCCESS

Strategic Use of Competitiveness towards Consolidating the Economic Sustainability of the European Seafood sector

At a glance

Framework: H2020

Project number: 635188

Acronym: SUCCESS

Title: Strategic Use of Competitiveness towards Consolidating the Economic Sustainability of the European Seafood sector

Call: H2020-BG-2014-2

Instrument: RIA - Research and Innovation action

Start date: 01/04/2015

End date: 31/03/2018

Duration: 36 months

Total Cost: € 5,207,821.75

EU Contribution: € 4,998,290.25

Consortium: 24 participants

Project coordinator: UNIVERSITE DE BRETAGNE OCCIDENTALE (UBO), FR

Abstract

SUCCESS is bringing together an integrated team of scientists from all fields of fisheries and aquaculture science with industry partners and key stakeholders to work on solutions which shall improve the competitiveness of the European fisheries and aquaculture sector. The supply-side of seafood markets is limited from both sea fisheries and aquaculture. At the same time demand for seafood products is increasing. In a globalised economy, the conjunction of these two trends should generate high opportunities for any seafood production activity. However, both fisheries and aquaculture companies are facing key challenges, which currently hinder them reaping the full benefits of seafood markets expansion, and even question their sustainability. As a whole, the EU fisheries sector remains at low levels of profitability and sustainability. The SUCCESS project will examine two strategies to improve the competitiveness of the sector: (i) increasing demand for EU seafood products, especially improving the awareness of the advantages of European production (including sustainability requirements and adjustment to market evolution); and (ii) cost reduction in certain production segments. For both strategies development on world markets as well as consumer preferences and awareness will be analysed. Additionally, SUCCESS will explore the different sectors along the value chain (from fisheries and aquaculture producers via processing companies, wholesalers, retailers to direct marketing to mobile fishmongers and restaurants) and their potential for improvements in competitiveness. These analyses also include long term predictions about the viability of certain production systems and will be considered in specific case studies on for example mussel production, shrimp fisheries, whitefish, traditional pond aquaculture and new aquaculture production systems.

Project's Participants List

SUCCESS

Strategic Use of Competitiveness towards Consolidating the Economic Sustainability of the European Seafood sector

Project's participants	Name	Country
1	UNIVERSITE DE BRETAGNE OCCIDENTALE (UBO)	FR
2	INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER (IFREMER)	FR
3	HASKOLI ISLANDS (IoES)	IS
4	STICHTING DIENST LANDBOUWKUNDIG ONDERZOEK (DLO)	NL
5	UNIVERSIDAD DE CANTABRIA (UC)	ES
6	JOHANN HEINRICH VON THUENEN-INSTITUT, BUNDESFORSCHUNGSINSTITUT FUER LAENDLICHE RAEUME, WALD UND FISCHEREI (TI)	DE
7	NISEA SOCIETA COOPERATIVA (NISEA) SC	IT
8	MARKMAR EHF (MM) EHF	IS
9	Alexander Technological Educational Institute of Thessaloniki (TECHNOLOGIKO EKPAIDEFTIKO IDRYMA THESSALONIKIS) (ATEITH)	EL
10	MORSKI INSTYTUT RYBACKI - PANSTWOWY INSTYTUT BADAWCZY (NMFRI)	PL
11	FISHOR CONSULTING LTD (Fishor) LTD	UK
12	UNIVERSITA DEGLI STUDI DI PALERMO (UNIPA)	IT
13	Luonnonvarakeskus (RKT)	FI
14	ICELAND SEAFOOD INTERNATIONAL EHF (ISI) EHF	IS
15	PECHEURS DE MANCHE ET D'ATLANTIQUE SA (PMA)	FR
16	DUCAMAR SPAIN SL (Ducamar)	ES
17	RODECAN SL (RODECAN) SL	ES
18	FRIGORIFICOS ORTIZ SA (FRIGORSA) SA	ES
19	KILIC DENIZ URUNLERI URETIMI IHRACAT ITHALAT VE TICARET AS (Kilic) AS	TR
20	FISH-PASS (Fish-Pass) SARL	FR
21	WEMAKE SARL (wemake)	FR
22	FUNDACION CENTRO TECNOLOGICO ACUICULTURA DE ANDALUCIA (CTAQUA)	ES
23	ASOCIACION DE MAYORISTAS DE PESCADOS DEL PRINCIPADO DE ASTURIAS (AMPPA)	ES
24	BUNDESVERBAND DER DEUTSCHEN FISHINDUSTRIE UND DES FISCHGROSSHANDELS E.V. (BVFisch)	DE

At a glance

Framework: H2020

Project number: 727473

Acronym: SUSFOOD2

Title: ERA-Net Cofund on Sustainable Food production and consumption (SUSFOOD2)

Call: H2020-SFS-2016-1

Instrument: ERA-NET-Cofund - ERA-NET Cofund

Start date: 01/01/2017

End date: 31/12/2021

Duration: 60 months

Total Cost: € 15,151,515.00

EU Contribution: € 4,999,999.95

Consortium: 26 participants

Project coordinator:
FORSCHUNGSZENTRUM JULICH GMBH, BE

SUSFOOD2

ERA-Net Cofund on Sustainable Food production and consumption (SUSFOOD2)

Abstract

The aim of SUSFOOD2 is to foster research and innovation in the field of sustainable food systems through enhanced cooperation and coordination between EU member and associated states. It will thereby contribute to the overall EU objective of building the European Research Area as well as a newly emerging Food Research Area. Major challenges will influence future food chains asking for innovative solutions to - respond to increased demand for food by increasing production sustainably (Food and Nutrition Security) - make optimal use of resources while mitigating impact on the environment - reducing losses and waste - follow a whole food chain approach from production to consumption - improving competitiveness of the European agri-food-business SUSFOOD2 focusses on sustainability in post-harvest food production, thus covering relevant fields from natural sciences to food engineering and social sciences. Building on the achievements of its predecessor in FP7, SUSFOOD2 Cofund will strengthen efforts to support and fund excellent research in the food area by one co-funded call of around 14 Mio. €. The consortium also aims at implementing other additional activities in a three-fold approach: i) strengthening networking and knowledge transfer among various stakeholders (i.e. by workshops, stakeholder events etc.) ii) additional funding activities without EU co-fund (preferably linked with other initiatives) iii) implementation and further advancement of the SUSFOOD SRA (developed in FP7) With the outlined approach SUSFOOD2 will contribute to - maximizing impact of transnational cooperation pooling resources (material and intellectual) and implementing best practice - using synergies and reducing overlap by interacting with related (international) initiatives (especially JPIs HDHL and FACCE) - Promoting the outputs of SUSFOOD2 network and funded projects via targeted dissemination thus sharing common vision and creating awareness for the field of food sustainability.

Project's Participants List

SUSFOOD2

ERA-Net Cofund on Sustainable Food production and consumption (SUSFOOD2)

Project's participants	Name	Country
1	FORSCHUNGSZENTRUM JULICH GMBH	DE
2	BUNDESMINISTERIUM FUER BILDUNG UND FORSCHUNG	DE
3	EIGEN VERMOGEN VAN HET INSTITUUT VOOR LANDBOUW EN VISSERIJONDERZOEK	BE
4	FONDS FLANKEREND ECONOMISCH EN INNOVATIEBELEID	BE
5	CENTRO PARA EL DESARROLLO TECNOLOGICO INDUSTRIAL.	ES
6	Bundesanstalt für Landwirtschaft und Ernährung	DE
7	Bundesministerium für Ernährung, Landwirtschaft und Verbraucherschutz	DE
8	LUONNONVARAKESKUS	FI
9	MINISTRY OF AGRICULTURE AND FORESTRY	FI
10	ASSOCIATION DE COORDINATION TECHNIQUE POUR L'INDUSTRIE AGROALIMENTAIRE	FR
11	AGENCE NATIONALE DE LA RECHERCHE	FR
12	MINISTERO DELLE POLITICHE AGRICOLE ALIMENTARI E FORESTALI	IT
13	MINISTRY OF FOOD AGRICULTURE AND LIVESTOCK	TR
14	MINISTERIE VAN ECONOMISCHE ZAKEN	NL
15	NEDERLANDSE ORGANISATIE VOOR WETENSCHAPPELIJK ONDERZOEK	NL
16	FORSKNINGSRÅDET FÖR MILJÖ, AREELLA NÄRINGAR OCH SAMHÄLLSBYGGANDE	SE
17	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	UK
18	DEPARTMENT OF AGRICULTURE, FOOD AND THE MARINE	IE
19	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	ES
20	AGENCIA DE INNOVACION Y FINANCIACION EMPRESARIAL DE CASTILLA Y LEON	ES
21	NORGES FORSKNINGSRAD	NO
22	Unitatea Executiva pentru Finantarea Invatamantului Superior, a Cercetarii, Dezvoltarii si Inovarii	RO
23	MAAELUMINISTEERIUM	EE
24	MINISTERO DELL'ISTRUZIONE, DELL'UNIVERSITA' E DELLA RICERCA	IT
25	MINISTERIO DE ECONOMIA, INDUSTRIA Y COMPETITIVIDAD	ES
26	LIETUVOS RESPUBLIKOS ZEMES UKIO MINISTERIJA	LT

At a glance

Framework: H2020

Project number: 663953

Acronym: TidalHealth

Title: Health Condition Monitoring of Small Scale Tidal Generators Using Miniature Torque Sensors

Call: H2020-SMEINST-1-2014

Instrument: SME-1 - SME instrument phase 1

Start date: 01/03/2015

End date: 31/08/2015

Duration: 6 months

Total Cost: € 71,429.00

EU Contribution: € 50,000.00

Consortium: 2 participants

Project coordinator: PARS MAKINA SANAYI VE TICARET LIMITED SIRKETI, TR

TidalHealth

Health Condition Monitoring of Small Scale Tidal Generators Using Miniature Torque Sensors

Abstract

By 2050, the size of wave and tidal energy is expected to reach an installed capacity of 100GW, which will be able to power 66 million European homes and also enable the EU to meet its target of reducing emission of green-house gases by 80-95% below 1990 levels. Tidal generators are installed in very harsh environments of the sea-bed, where saline water, unpredictable tidal flow, marine debris and suspended particle impact can cause serious damage to generator blades and gearboxes. In addition, the unpredictable changing nature of load demand causes stresses on the tidal components. The primary objective of the TidalHealth project is to commercially produce a direct torque measurement device attached to tidal generator shaft for overall condition monitoring of tidal power plants remotely. This will result in the reduction of operations and maintenance cost of the plants and thus improves the return on investment for tidal technologies.

Project's Participants List

TidalHealth

Health Condition Monitoring of Small Scale Tidal Generators Using Miniature Torque Sensors

Project's participants	Name	Country
1	PARS MAKINA SANAYI VE TICARET LIMITED SIRKETI	TR
2	TRANSENSE TECHNOLOGIES PLC	UK

At a glance

Framework: H2020

Project number: 727450

Acronym: WATERPROTECT

Title: Innovative tools enabling drinking WATER PROTECTion in rural and urban environments

Call: H2020-RUR-2016-2

Instrument: RIA - Research and Innovation action

Start date: 01/06/2017

End date: 31/05/2020

Duration: 36 months

Total Cost: € 4,997,006.50

EU Contribution: € 4,997,006.50

Consortium: 27 participants

Project coordinator: VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V., BE

WATERPROTECT

Innovative tools enabling drinking WATER PROTECTion in rural and urban environments

Abstract

High-quality, safe, and sufficient drinking water is essential for life: we use it for drinking, food preparation and cleaning. Agriculture is the biggest source of pesticides and nitrate pollution in European fresh waters. The overarching objective of WATERPROTECT is to contribute to effective uptake and realisation of management practices and mitigation measures to protect drinking water resources. Therefore WATERPROTECT will create an integrative multi-actor participatory framework including innovative instruments that enable actors to monitor, to finance and to effectively implement management practices and measures for the protection of water sources. We propose seven case studies involving multiple actors in implementing good practices (land management, farming, product stewardship, point source pollution prevention) to ensure safe drinking water supply. The seven case studies cover different pedo-climatic conditions, different types of farming systems, different legal frameworks, larger and smaller water collection areas across the EU. In close cooperation with actors in the field in the case studies (farmers associations, local authorities, water producing companies, private water companies, consumer organisations) and other stakeholders (fertilizer and plant protection industry, environment agencies, nature conservation agencies, agricultural administrations) at local and EU level, WATERPROTECT will develop innovative water governance models investigating alternative pathways from focusing on the 'costs of water treatment' to 'rewarding water quality delivering farming systems'. Water governance structures will be built upon cost-efficiency analysis related to mitigation and cost-benefit analysis for society, and will be supported by spatially explicit GIS analyses and predictive models that account for temporal and spatial scaling issues. The outcome will be improved participatory methods and public policy instruments to protect drinking water resources.

Project's Participants List

WATERPROTECT

Innovative tools enabling drinking WATER PROTECTion in rural and urban environments

Project's participants	Name	Country
1	VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V.	BE
2	INAGRO, PROVINCIAAL EXTERN VERZELFSTANDIGD AGENTSCHAP IN PRIVAATRECHTELIJKE VORM VZW	BE
3	EIGEN VERMOGEN VAN HET INSTITUUT VOOR LANDBOUW EN VISSERIJONDERZOEK	BE
4	TEAGASC - AGRICULTURE AND FOOD DEVELOPMENT AUTHORITY	IE
5	Geological Survey of Denmark and Greenland	DK
6	UNIVERSITA CATTOLICA DEL SACRO CUORE	IT
7	AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS	ES
8	ASSOCIAZIONE PIACE CIBO SANO	IT
9	PANSTWOWY INSTYTUT GEOLOGICZNY - PANSTWOWY INSTYTUT BADAWCZY	PL
10	VLAAMSE MAATSCHAPPIJ VOORWATERVOORZIENING CVBA	BE
11	AGENZIA REGIONALE PER LA PREVENZIONE, L'AMBIENTE E L'ENERGIA DELL'EMILIA-ROMAGNA	IT
12	KOBENHAVNS UNIVERSITET	DK
13	COMUNITAT D'USUARIS D'AIGUES DE LA VALL BAIXA I DELTA DEL LLOBREGAT	ES
14	LANDBO LIMFJORD	DK
15	SKIVE KOMMUNE	DK
16	ASOCIATIA ECOLOGIC BAIA MARE	RO
17	UNIVERSITATEA TEHNICA CLUJ-NAPOCA	RO
18	THE EUROPEAN WATER PARTNERSHIP AISBL	BE
19	AIGUES DE BARCELONA, EMPRESA METROPOLITANA DE GESTIO DEL CICLE INTEGRAL DE L'AIGUA SA	ES
20	INSTYTUT TECHNOLOGICZNO-PRZYRODNICZY	PL
21	CONSORCI DEL PARC AGRARI DEL BAIX LLOBREGAT	ES
22	ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE	PL
23	GLANBIA INGREDIENTS IRELAND DESIGNATED ACTIVITY COMPANY	IE
24	UNIVERSITY OF ULSTER	UK
25	WEXFORD COUNTY COUNCIL	IE
26	EUROPEAN FEDERATION OF BOTTLED WATERS	BE
27	VLAAMSE MILIEUMAATSCHAPPIJ	BE

Horizon 2020 website: https://ec.europa.eu/programmes/horizon2020/

Bioeconomy website: https://ec.europa.eu/research/bioeconomy

European Commission