



Project no.: FP6-022771

PROFET POLICY

'FISH POLICY FLOW'

Instrument: FP6 Collective Research Projects

Thematic Priority: Integrating and strengthening the European Research Area
– Specific Support Actions (SSA)

TL Compilations related to policy areas Deliverable 13

Due date of deliverable: With each workshop
Actual submission date: workshops nr.3 to nr.9

1. Workshop nr.3 on Technical Conservation Measures – Dublin (Ireland), 13&14 September 2007
2. Workshop nr.4 on Mediterranean Marine Aquaculture – Athens (Greece), 22&23 November 2007
3. Workshop nr.5 on Continental Freshwater Aquaculture – Warsaw (Poland), 13&14 December 2007
4. Workshop nr.6 on Mediterranean Fisheries – Marseille (France), 12&13 June 2008
5. Workshop nr.7 on North Sea Fisheries – Copenhagen (Denmark), 23&24 June 2008
6. Workshop nr.8 on Southern Continental Freshwater Aquaculture – Treviso (Italy), 16&17 October 2008
7. Workshop nr.9 on Atlantic Fisheries, Marine Cage & shellfish Culture – south – Vigo (Spain), 20&21 November 2008

Start date of project: 1 November 2005

Duration: 39 months (incl. 3 months extension)

Organisation name of lead contractor of this deliverable: FEAP

Revision: June 2009

Project co-funded by the European Commission within the Sixth Framework Programme (2002-2006)		
Dissemination Level		
PU	Public	
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

TL COMPILATIONS RELATED TO POLICY AREAS

Deliverable 13 is TL compilations related to policy area. Grouping of results by thematic area for each workshop will provide useful background material, a framework for workshop participants and a base for the reports and dissemination materials foreseen. The TL compilations need to be delivered at each workshop.

As agreed and explained in the Deliverable 13 due in September 2007, having readable reports (accompanying each workshop) with clearly defined themes per report would be better 'products' than three large annual compilations.

Making 9 different compilations instead of only three annual compilations was made possible due to the possibilities of printing books in a rather inexpensive but efficient manner. FEAP chose to work with the Chauveheid printing company.

On the website, the TLs are grouped on the basis of policy issues per workshop but also all the technical leaflets of all workshops are displayed per policy theme. The technical leaflets are also accessible through a search tool.

a) Compilations of TLs produced:

The compilations of the TLs per policy area have been developed for the 9 workshops, the 2 first ones having been detailed in the Deliverable 13 due in September 2007:

1. Workshop nr.3 on Technical Conservation Measures
Dublin (Ireland), 13 & 14 September 2007
2. Workshop nr.4 on Mediterranean Marine Aquaculture
Athens (Greece), 22 & 23 November 2007
3. Workshop nr.5 on Continental Freshwater Aquaculture
Warsaw (Poland), 13 & 14 December 2007
4. Workshop nr.6 on Mediterranean Fisheries
Marseille (France), 12 & 13 June 2008
5. Workshop nr.7 on North Sea Fisheries
Copenhagen (Denmark), 23 & 24 June 2008
6. Workshop nr.8 on Southern Continental Freshwater Aquaculture
Treviso (Italy), 16 & 17 October 2008
7. Workshop nr.9 on Atlantic Fisheries, Marine Cage & shellfish culture – South
Vigo (Spain), 20 & 21 November 2008

The list of the TLs per policy area for workshops nr.3 to nr.9 is attached to this document.

The complete list of TLs for fisheries and aquaculture is also attached to this document.

b) Creating the TLs compilations related to policy areas

In order to make the TLs compilations, two steps had to be taken in the process:

1. Technical Leaflets

458 projects research dealing with aquaculture and fisheries within 5th and 6th Framework programmes were identified and are listed below.

Themes	FP5	FP6	Total
Aquaculture	137	74	211
Fisheries	104	64	168
Aquaculture and fisheries	29	12	41
Seafood processing	30	8	38
Total	300	157	458

Of these 458 projects, prioritisation was made (as in previous periods) according to the workshop planning and themes and leading to the production of 118 new Technical Leaflets over the period.

2. Policy themes

A list of policy themes was developed to cover aquaculture and fisheries. This was done in three steps:

1. A closer look at European regulations and communications was made so as to define categories for the fisheries projects.
2. All projects have been screened in order to bring forward some suggestions for policy issues that would be interesting for the project workshops.
3. This list has been circulated and every partner has cooperated to finalise the list.
4. The list has been given to the project officer of the Commission for a last check-up.

Once the list of policy themes were agreed and finalized, projects could be prioritised: for each project, it was then analysed which workshop and what policy issue they could apply to.

Based on the titles, a first selection could be made of projects; checking on which policy issue they belong. After the first selection, each project report (mostly provided by the Commission) was read to make the final selection of the Policy area the project belonged to.

c) Background documents

For ease of access and cross-referencing to the different European policies that affect European fisheries and aquaculture, specific background documents were prepared by the project consortium in order to make the presentation of both TLs and RTD results coherent in respect of such policies (deliverable 9, see Policy background documents). The background documents functioned as the introduction to the policy related Technical Leaflets in the compilation per workshop.

List of the technical leaflet compilations related to the Policy areas discussed at the workshop in Dublin – Technical Conservation Measures

Background to European Policies and Aquaculture

- Bridging the gap between Science and Industry [AQUAFLOW]
- Towards the sustainable development of European aquaculture [CONSENSUS]
- The future of European fisheries and aquaculture research [FEUFAR]
- Maximising the value of EU-funded research in fisheries, aquaculture and seafood processing [IMPACT FISH]
- Bringing together European fisheries and aquaculture research institutes [MUTFISHARE]
- European Workshops on RTD Requirements for Professional Aquaculture [PROFET]

The impact of regulations (TMCs) on fishing effort (fleet dynamics) and fishing mortality

- Linking fleet capacity and fishing effort to fishing mortality [CAFÉ]
- How does policy have to change to stop fishermen from violating regulations? [FISHREG]
- The impact of fisheries management on stocks and fisheries [TECTAC]
- A methodology for estimating technical efficiency in fisheries [TEMEC]

TCM: improvements in fishing technology to reduce by-catch and discards

- Developing low-impact fishing gear [DEGREE]
- Reducing the by-catch in European fisheries [NECESSITY]
- Developing a new mesh gauge [OMEGA]
- Predicting the size selectivity of novel fishing gear [PREMECS II]
- Towards the development of a new mesh gauge [PREMEGADEV]
- Novel species-selective gear for mixed-species demersal trawl fisheries [RECOVERY]
- Surviving the trawl [SURVIVAL]

TCM: MPAs

- Marine Protected Areas in southern Europe as a tool for ecosystem conservation and fisheries management [EMPAFISH]
- Marine Protected Areas as a tool for ecosystem conservation and fisheries management [PROTECT (MPAs)]
- The value of exclusion zones as a fisheries management tool [VALFEZ]

Fisheries management and stakeholder involvement

- Managing fisheries in a virtual environment in order to provide more reliable scientific advice to stakeholders [EFIMAS]
- Policy and knowledge in fisheries management [PKFM] [PKFM]
- Sharing responsibilities in fisheries management [RESPONSIBLE] [RESPONSIBLE]

The role of data collection analysis in the formulation of scientific advice

- A central database for research vessel surveys [DATRAS] [DATRAS]
- The Fish Technology Knowledge Base [FISH-TECH-DB] [FISH-TECH-DB]
- Improving the scientific basis for Atlantic mackerel fisheries management [GBMAF] [GBMAF]
- A strategy for the development of a novel survey trawl [SURVEYTRAWL] [SURVEYTRAWL]

Policy background of Training and Education Issues concerning aquaculture

- Incorporating environmental requirements into the CFP [INDECO] [INDECO]

Reconciliation Action Plans

- The impact of fishery discarding rates on seabird communities [DISCBIRD]
- Reconciling fishermen and fish-eating vertebrates [FRAP]
- Why local people should get involved in wetland management [IMEW]
Reducing the conflict between Cormorants and fisheries on a pan-European
- Scale [REDCAFE]

Genetic diversity

- Investigating the genetic co-existence of fishing and aquaculture activities [GENIMPACT]
- Conserving the Atlantic herring's genetic diversity [HERGEN]
The impact of salmon farming on the genetic variation in wild populations of
- Atlantic salmon and brown trout [SALIMPACT]

Sea lice: a salmonid's tale

- Describing the stock structure of herring in west European waters [SUMBAWS]
[WESTHER]

Restocking: the eel case

- Estimating the chance of recovery for the eel population [EELREP]
- The impact of fisheries and hydroturbines on the European eel population [SILVEREEL]
- A study leading to informed management of eels [SLIME]

List of the technical leaflet compilations related to the Policy areas discussed at the workshop in Athens – Mediterranean Marine Aquaculture

Policy-supporting projects

- AQCESS - Are aquaculture and coastal fishing sustainable? [AQCESS]
- Bridging the gap between science and industry [AQUAFLOW]
- CONSENSUS - Towards the sustainable development of European aquaculture [CONSENSUS]
- ECASA - An ecosystem approach for sustainable aquaculture [ECASA]
- GENIMPACT - Investigating the genetic co-existence of fishing and aquaculture activities [GENIMPACT]
- Impact Fish - Maximising the value of EU-funded research in fisheries, aquaculture and seafood processing [ImpactFish]
- European Workshops on RTD Requirements for Professional Aquaculture [PROFET]
- SEACASE - Promoting extensive and semi-intensive aquaculture in southern Europe [SEACASE]
- SEAFOODPLUS - Seafood for a better life [SEAFOODPLUS]

Research in Fisheries and Aquaculture

- ERMES - European research for Mediterranean seafood [ERMES]
- FEUFAR - The future of European fisheries and aquaculture research [FEUFAR]
- MUTFISHARE - Bringing together European fisheries and aquaculture research institutes [MUTFISHARE]

New technologies/Infrastructure

- AQUAETREAT - Farming out waste to help the environment [AQUAETREAT]
- CRAB - Towards European Best Practice in marine aquaculture biofouling [CRAB]
- ESCAPEPROOFNET - An escape-proof net for cod, bass and bream fish farming [ESCAPEPROOFNET]
- FISHTANKRECIRC - Improving water quality in recirculation systems by means of electro-coagulation [FISHTANKRECIRC]

Genetics and genomics

- AQUAFIRST - Selective breeding to improve disease and stress resistance in fish and shellfish [AQUAFIRST]
- AQUAFUNC - Integrated knowledge on functional genomics in sustainable aquaculture [AQUAFUNC]
- AQUAGENOME - Genomics in fish and shellfish: from research to aquaculture [AQUAGENOME]
- BASSMAP - Building a roadmap of the European sea bass's genes [BASSMAP]
- REPROFISH - Understanding and communicating fish reproduction research [REPROFISH]

Sustainable feeds for fish farming

- AQUAMAX - Formulating fish diets to maximise human health benefits [AQUAMAX]
- FORM - Thematic network on fish meal and oil replacement [FORM]
- SELFISH - Optimising feeding efficiency by analysing the fish's need for macronutrients [SELFISH]

Health / Control of infectious diseases

- DIPNET - Learning more about the transfer of pathogens in the sea [DIPNET]
- IMAQUANIM - Technological knowledge-platform for a future improved immunity to infectious diseases in aquaculture [IMAQUANIM]
- MYXFISHCONTROL - Controlling the dispersion of enteric myxosporosis in the Mediterranean [MYXFISHCONTROL]
- RMBC - How to avoid disease outbreaks: fight bacteria with bacteria [RMBC]

Aquaculture – environment interactions

- BIOFAQS - How effective are biological filters in reducing the environmental impact of finfish cages? [BIOFAQS]
- EMPAFISH - Marine Protected Areas as a tool for fisheries management and ecosystem conservation [EMPAFISH]
- GENESIS - Sustainable integrated marine multi-trophic aquaculture in Europe [GENESIS]
- MEDVEG - Do marine cages affect Mediterranean vegetation? [MEDVEG]
- MERAMED - A tool to monitor the environmental impact of marine fish cage farms in the Mediterranean [MERAMED]
- REDCAFE - Reducing the conflict between Cormorants and fisheries on a pan-European scale [REDCAFE]
- SAMI - Trawling aquaculture-environment research to enhance accessibility [SAMI]

Fish welfare

- BENEFISH - Evaluating the economic impact of maintaining the welfare of farmed fish [BENEFISH]
- FASTFISH - Identifying quantifiable indicators of stress in farmed fish [FASTFISH]
- FINE FISH - Reduction of malformations of juvenile fish in hatcheries [FINE FISH]
- ORCIS - Eliminating lordosis and improving musculoskeletal growth in sea bass [ORCIS]
- WEALTH - Improving the health and welfare of farmed fish [WEALTH]
- WELLFISH - A network on fish welfare in European aquaculture [WELLFISH]

Training and education/Lifelong learning

- AQUALABS - Advanced laboratory training courses in aquaculture for early-stage researchers [AQUALABS]
- AQUATNET - An aquaculture, fisheries and aquatic resources management thematic network in education and training [AQUATNET]
- ASEFAF - Access to south European finfish aquaculture facilities [ASEFAF]
- WAVE - Validation of working experience in aquaculture [WAVE]

Diversification/Enhanced production

- REPRO-DOTT - Reproduction of the Bluefin Tuna in captivity [REPRO-DOTT]
- SEAPURA - Using seaweed to purify effluents from aquaculture farms – and lots more! [SEAPURA]
- SPIINES2 - Addressing the constraints for commercial sea urchin aquaculture [SPIINES2]

Food safety

- TRACEFISH - Establishing standards for the traceability of seafood products [TRACEFISH]

Harmful algal blooms (HABs)

- ALGADEC - A new tool in the war against harmful toxin-producing algae [ALGADEC]
- BIOTOX - Alternative methods for biotoxin detection and depuration in shellfish [BIOTOX]
- ECOHARM – Socio-economic impacts of harmful algal blooms [ECOHARM]
- SHELLFISH - An accelerated detoxification system for live marine shellfish contaminated by algal PSP toxins [SHELLFISH]

Other contaminants

- DAPAFF - Investigating the uptake of dioxins and dioxin-like PCBs by farmed salmon from feed [DAPAFF]
- OT-SAFE - Organotins in seafood: an issue for human health? [OT-SAFE]

List of the technical leaflet compilations related to the Policy areas discussed at the workshop in Warsaw – Continental Freshwater Aquaculture.

Policy-supporting projects

- AQUAFLOW - Bridging the gap between science and industry [AQUAFLOW]
- CONSENSUS - Towards the sustainable development of European aquaculture [CONSENSUS]
- FEUFAR - The future of European fisheries and aquaculture research [FEUFAR]
- GENIMPACT - Investigating the genetic co-existence of fishing and aquaculture activities [GENIMPACT]
- Impact Fish - Maximising the value of EU-funded research in fisheries, aquaculture and seafood processing [Impact Fish]
- IMPASSE - Reducing the impact of alien fish species [IMPASSE]
- MUTFISHARE - Bringing together European fisheries and aquaculture research institutes [MUTFISHARE]
- PROFET - European Workshops on RTD Requirements for Professional Aquaculture [PROFET]
- SEAFOODPLUS - Seafood for a better life [SEAFOODPLUS]
- SUSTAINAQUA - Focusing on sustainable and healthy freshwater aquaculture [SUSTAINAQUA]

New technologies/Infrastructure

- AQUAETREAT - Farming out waste to help the environment [AQUAETREAT]
- CSN-INTRAN - A network to support innovation in European aquaculture [CSN-INTRAN]
- FISHTANKRECIRC - Improving water quality in recirculation systems by means of electro-coagulation [FISHTANKRECIRC]
- INTELFISHTANK - Development of an "intelligent fish tank" for cost-effective aquaculture production [INTELFISHTANK]

Genetics and genomics

- AQUABREEDING - Improving stock rearing in aquaculture through applied genetics knowledge [AQUABREEDING]
- AQUAFUNC - Integrated knowledge on functional genomics in sustainable aquaculture [AQUAFUNC]
- AQUAGENOME - Genomics in fish and shellfish: from research to aquaculture [AQUAGENOME]
- REPROFISH - Understanding and communicating fish reproduction research [REPROFISH]

Sustainable feeds for fish farming

- AQUAMAX - Formulating fish diets to maximise human health benefits [AQUAMAX]
- FORM - Thematic network on fish meal and oil replacement [FORM]

Health / Control of infectious diseases

- AQUAFIRST - Selective breeding to improve disease and stress resistance in fish and shellfish [AQUAFIRST]
- DIPNET - Learning more about the transfer of pathogens in the sea [DIPNET]
- EUROCARP - Increasing carp resistance to bacterial and viral infections [EUROCARP]

- IMAQUANIM - Technological knowledge-platform for a future improved immunity to infectious diseases in aquaculture [IMAQUANIM]
- PANDA - A permanent advisory network for diseases in aquaculture [PANDA]
- RANA - Identifying disease risk to native fish from ornamental fish species [RANA]

Aquaculture - environment interactions

- FRAP - Reconciling fishermen and fish-eating vertebrates [FRAP]
- GENESIS - Sustainable integrated marine multi-trophic aquaculture in Europe [GENESIS]
- IMEW - Why local people should get involved in wetland management [IMEW]
- REDCAFE - Reducing the conflict between Cormorants and fisheries on a pan-European Scale [REDCAFE]

Diversification/Enhanced production

- LUCIOPERCA - Bio-economic feasibility of intensive pikeperch culture [LUCIOPERCA]
- LUCIOPERCIMPROVE - Improving pikeperch larval quality and production [LUCIOPERCIMPROVE]
- PERCATECH - Securing the production of Eurasian perch juveniles [PERCATECH]
- PROTENCH - Intensive and sustainable culture of the freshwater fish species tench [PROTENCH]

Restocking: the eel case

- EELREP - Estimating the chance of recovery for the eel population [EELREP]
- SILVEREEL - The impact of fisheries and hydroturbines on the European eel population [SILVEREEL]
- SLIME - A study leading to informed management of eels [SLIME]

List of the technical leaflet compilations related to the Policy areas discussed at the workshop in Marseille – Mediterranean Fisheries.

Policy-supporting projects: research in fisheries and aquaculture

- AQUAFLOW - Bridging the gap between science and industry [AQUAFLOW]
- PROFET - European Workshops on RTD Requirements for Professional Aquaculture [PROFET]
- Impact Fish - Maximising the value of EU-funded research in fisheries, aquaculture and seafood processing [IMPACT FISH]
- FEUFAR - The future of European fisheries and aquaculture research [FEUFAR]
- MARIFISH - Strengthening the links between European marine fisheries science and fisheries management [MARIFISH]
- EUR-OCEANS - a European network of excellence for ocean ecosystems analysis [EUR-OCEANS]
- MARBEF - Creating an interdisciplinary network for marine biodiversity and ecosystem functioning [MARBEF]
- ERMES - European research for Mediterranean seafood [ERMES]
- SPICOSA - Towards the sustainable development of our European coasts [SPICOSA]

Monitoring and control of fishing activity

- CEDER - Real-time monitoring of fishing activity [CEDER]
- SHEEL - A secure and harmonised European electronic logbook for fisheries [SHEEL]
- COBECOS - Analysing costs and benefits of increased enforcement in different control schemes [COBECOS]
- IMPAST - A Vessel Detection System to improve and support monitoring and control of fisheries activities [IMPAST]

TCM: MPAs

- PROTECT - Marine Protected Areas in northern Europe as a tool for ecosystem conservation and fisheries management [PROTECT]
- EMPAFISH - Marine Protected Areas in southern Europe as a tool for ecosystem conservation and fisheries management [EMPAFISH]
- VALFEZ - The value of exclusion zones as a fisheries management tool [VALFEZ]
- BIOMEX-01 - Estimating biomass export from Marine Protected Areas in the Mediterranean [BIOMEX]
- EnviEFH - Mapping essential fish habitats in the Mediterranean [EnviEFH]

Fisheries management and stakeholder involvement

- PKFM - Policy and knowledge in fisheries management [PKFM]
- RESPONSIBLE - Sharing responsibilities in fisheries management [RESPONSIBLE]
- CEVIS - New thinking in European fisheries management [CEVIS]
- SAFMAMS - Best practices for giving scientific advice to fisheries managers at the European, the regional and the sub-national level [SAFMAMS]

Scientific advice to fisheries management

- FEMS - A framework for evaluating management strategies in fisheries [FEMS]
- COMMIT - Evaluating alternative strategies for long-term planning of fisheries management [COMMIT]
- EFIMAS - Managing fisheries in a virtual environment in order to provide more reliable scientific advice to stakeholders [EFIMAS]
- PRONE - Introducing risk analysis theory in fisheries management [PRONE]
- POORFISH - Improving the scientific advice relating to data-poor fisheries [POORFISH]
- BEMMFISH - Developing software packages for fisheries management in the Mediterranean [BEMMFISH]

The role of data collection and analysis in the formulation of scientific advice

- EASE - Evaluating the advisory structure for fisheries management in Europe [EASE]
- FISBOAT - Making more reliable estimates of European fish stocks [FISBOAT]
- AFISA - An automated age-reading system for fish otoliths [AFISA]
- FADIO - Using Fish Aggregating Devices (FADs) as instrumented observatories of pelagic ecosystems [FADIO]
- TACADAR - Towards accreditation and certification of age determination of aquatic resources [TACADAR]

Ecosystem approach to fisheries management

- INDECO - Incorporating environmental requirements into the CFP [INDECO]
- BECAUSE - Modelling the critical interactions between exploited prey fish, exploited fish predators and other wild life [BECAUSE]
- IMAGE - Indicators for an ecosystem-based approach to fisheries management in Europe [IMAGE]
- COST-IMPACT - What is the economic cost of changes in marine ecosystems, that are caused by fishing disturbance? [COST-IMPACT]
- FinE - The overlooked evolutionary dimension of modern fisheries [FinE]
- SARDONE - Improved management of small pelagic fish populations in the Mediterranean [SARDONE]
- SIDS – Improving the swordfish stock assessment in the Mediterranean [SIDS]

List of the technical leaflet compilations related to the Policy areas discussed at the workshop in Copenhagen – North Sea Fisheries.

Policy-supporting projects: research in fisheries and aquaculture

- AQUAFLOW - Bridging the gap between science and industry [AQUAFLOW]
- Impact Fish - Maximising the value of EU-funded research in fisheries, aquaculture and seafood processing [IMPACT FISH]
- PROFET - European Workshops on RTD Requirements for Professional Aquaculture [PROFET]

Long-term management and recovery plans

- CODTRACE - Tracing the whereabouts of Atlantic cod [CODTRACE]
- METACOD - The role of stock structure [METACOD]
- UNCOVER - Developing strategies for the recovery of marine fish stocks [UNCOVER]

TCM: improvements in fishing technology to reduce by-catch and discards

- DEGREE - Developing low-impact fishing gear [DEGREE]
- DISCBIRD - The impact of fishery discarding rates on seabird communities [DISCBIRD]
- FISHERY BY-PRODUCTS - Increasing the use of fishery by-products for human consumption [FISHERY BY-PRODUCTS]
- NECESSITY - Reducing the by-catch in European fisheries [NECESSITY]
- SURVIVAL - Surviving the trawl [SURVIVAL]

TCM: MPAs

- EMPAFISH - Marine Protected Areas in southern Europe as a tool for ecosystem conservation and fisheries management [EMPAFISH]
- PROTECT - Marine Protected Areas in northern Europe as a tool for ecosystem conservation and fisheries management [PROTECT]
- VALFEZ - The value of exclusion zones as a fisheries management tool [VALFEZ]

Fisheries management and stakeholder involvement

- CEVIS - New thinking in European fisheries management [CEVIS]
- PKFM - Policy and knowledge in fisheries management [PKFM]
- RESPONSIBLE - Sharing responsibilities in fisheries management [RESPONSIBLE]
- SAFMAMS - Best practices for giving scientific advice to fisheries managers at the European, the regional and the sub-national level [SAFMAMS]

Scientific advice to fisheries management

- COMMIT - Evaluating alternative strategies for long-term planning of fisheries management [COMMIT]
- EFIMAS - Managing fisheries in a virtual environment in order to provide more reliable scientific advice to stakeholders [EFIMAS]
- POORFISH - Improving the scientific advice relating to data-poor fisheries [POORFISH]
- PRONE - Introducing risk analysis theory in fisheries management [PRONE]

The role of data collection and analysis in the formulation of scientific advice

- DATRAS - A central database for research vessel surveys [DATRAS]
- EASE - Evaluating the advisory structure for fisheries management in Europe [EASE]
- ICES-FISHMAP - Demonstrating the feasibility and value of a comprehensive on-line atlas of North Sea fishes [ICES-FISHMAP]
- ISTAM - Laying the scientific foundation for Fisheries Agreements with third countries [ISTAM]

Ecosystem approach to fisheries management

- BECAUSE - Modelling the critical interactions between exploited prey fish, exploited fish predators and other wild life [BECAUSE]
- COST-IMPACT - What is the economic cost of changes in marine ecosystems, that are caused by fishing disturbance? [COST-IMPACT]
- EFEP - A Fisheries Ecosystem Plan for the North Sea [EFEP]
- IBEFish - Stakeholder participation towards ecosystem-based approaches to fisheries management [IBEFish]
- IMAGE - Indicators for an ecosystem-based approach to fisheries management in Europe [IMAGE]
- IMPRESS - The impact of sandeel stock density on seabird foraging success and breeding performance [IMPRESS]
- INDECO - Incorporating environmental requirements into the CFP [INDECO]
- IN EX FISH - The effects of non-fishery influences on fish stocks [IN EX FISH]
- MAFCONS - Managing Fisheries to Conserve Groundfish and Benthic Invertebrate Species Diversity [MAFCONS]
- RECLAIM - How will global warming have an impact on fisheries resources? [RECLAIM]

Monitoring and control of fishing activity

- AFRAME - Towards fleet- and area-based fisheries management [AFRAME]
- CAFÉ - Linking fleet capacity and fishing effort to fishing mortality [CAFÉ]
- CEDER - Real-time monitoring of fishing activity [CEDER]
- COBECOS - Analysing costs and benefits of increased enforcement in different control schemes [COBECOS]
- EAEF - Economic assessment of European fisheries [EAEF]
- FISHREG - How does policy have to change to stop fishermen from violating regulations? [FISHREG]
- MFBUNRR - But what about the fishermen? [MFBUNRR]
- SHEEL - A secure and harmonised European electronic logbook for fisheries [SHEEL]

List of the technical leaflet compilations related to the Policy areas discussed at the workshop in Treviso – Southern Continental Freshwater Aquaculture.

Policy-supporting projects: research in fisheries and aquaculture

- AQUAFLOW - Bridging the gap between science and industry [AQUAFLOW]
- CODE-EFABAR - A Code of Good Practice for farm animal breeding and reproduction [CODE-EFABAR]
- CONSENSUS - Towards the sustainable development of European aquaculture [CONSENSUS]
- CSN-INTRAN - A network to support innovation in European aquaculture [CSN-INTRAN]
- ERMES - European research for Mediterranean seafood [ERMES]
- FEUFAR - The future of European fisheries and aquaculture research [FEUFAR]
- Impact Fish - Maximising the value of EU-funded research in fisheries, aquaculture and seafood processing [IMPACT FISH]
- PROFET - European Workshops on RTD Requirements for Professional Aquaculture [PROFET]
- PROBIOPRISE - Contributing to biodiversity conservation: new opportunities for SME's? [PROBIOPRISE]
- SEFABAR - Sustainable farm animal breeding in Europe [SEFABAR]
- SUSTAINAQUA - Focussing on sustainable and healthy freshwater aquaculture [SUSTAINAQUA]

Genetics and Genomics

- AQUABREEDING - Improving stock rearing in aquaculture through applied genetics knowledge [AQUABREEDING]
- AQUAFUNC - Integrated knowledge on functional genomics in sustainable aquaculture [AQUAFUNC]
- AQUAGENOME - Genomics in fish and shellfish: from research to aquaculture [AQUAGENOME]
- EADGENE - A European Animal Disease Genomics Network [EADGENE]
- REPROFISH - Understanding and communicating fish reproduction research [REPROFISH]

Control of diseases and infections in aquatic animals

- AQUAFIRST - Selective breeding to improve disease and stress resistance in fish and shellfish [AQUAFIRST]
- FISHEGGTRADE - Zoo-sanitary risks associated with trade and transfer of fish eggs and sperm [FISHEGGTRADE]
- FISHOV - Oral vaccination of fish with plant-derived protein vaccines [FISHOV]
- IMAQUANIM - Technological knowledge-platform for a future improved immunity to infectious diseases in aquaculture [IMAQUANIM]
- PANDA - A permanent advisory network for diseases in aquaculture [PANDA]
- RANA - Identifying disease risk to native fish from ornamental fish species [RANA]
- TROUT STREPTOCOCCOSE - Fighting streptococcal infections in rainbow trout [TROUT STREPTOCOCCOSE]

Aquaculture welfare projects

- FINE FISH - Reduction of malformations of juvenile fish in hatcheries [FINE FISH]
- WELLFISH - A network on fish welfare in European aquaculture [WELLFISH]

Sustainable feeds for aquaculture

- AQUAMAX - Formulating fish diets to maximise human health benefits [AQUAMAX]
- FORM - Thematic network on fish meal and oil replacement [FORM]
- FPPARS - Gaining insight in the biology of fish lipid metabolism [FPPARS]
- PEPPA - Fish meal replacement in feeds: effects on fish quality and the environment [PEPPA]
- RAFOA - Alternatives to fish oils in aquaculture [RAFOA]

Environment issues concerning aquaculture

- AQUAETREAT - Farming out waste to help the environment [AQUAETREAT]
- AquAgriS - Reforming environmental management for improved sustainability [AquAgriS]
- FRAP - Reconciling fishermen and fish-eating vertebrates [FRAP]
- GENIMPACT - Investigating the genetic co-existence of fishing and aquaculture activities [GENIMPACT]
- IMPASSE - Reducing the impact of alien fish species [IMPASSE]

Diversification and Conservation concerning aquaculture

- LUCIOPERCA - Bio-economic feasibility of intensive pikeperch culture [LUCIOPERCA]
- LUCIOPERCIMPROVE - Improving pikeperch larval quality and production [LUCIOPERCIMPROVE]
- PERCATECH - Securing the production of Eurasian perch juveniles [PERCATECH]
- PROTENCH - Intensive and sustainable culture of the freshwater fish species tench [PROTENCH]

Training and educational issues

- AQUALABS - Advanced laboratory training courses in aquaculture for early-stage researchers [AQUALABS]
- AQUATNET An aquaculture, fisheries and aquatic resources management thematic network in education and training [AQUATNET]
- VALLA - Validation of all lifelong learning in aquaculture [VALLA]
- WAVE - Validation of working experience in aquaculture [WAVE]

List of the technical leaflet compilations related to the Policy areas discussed at the workshop in Vigo – Atlantic Fisheries, Marine Cage & shellfish Culture – south.

Policy-supporting projects: research in fisheries and aquaculture

- AQUAFLOW - Bridging the gap between science and industry [AQUAFLOW]
- AquAgriS - Reforming environmental management for improved sustainability [AquAgriS]
- CONSENSUS - Towards the sustainable development of European aquaculture [CONSENSUS]
- ERMES - European research for Mediterranean seafood [ERMES]
- EUR-OCEANS - a European network of excellence for ocean ecosystems analysis [EUR-OCEANS]
- FEUFAR - The future of European fisheries and aquaculture research [FEUFAR]
- Impact Fish - Maximising the value of EU-funded research in fisheries, aquaculture and seafood processing [IMPACT FISH]
- KEYZONES - In search of sustainable shellfish production areas [KEYZONES]
- MARBEF - Creating an interdisciplinary network for marine biodiversity and ecosystem functioning [MARBEF]
- MARIFISH - Strengthening the links between European marine fisheries science and fisheries management [MARIFISH]
- MUTFISHARE - Bringing together European fisheries and aquaculture research institutes [MUTFISHARE]
- OATP - A technology platform for the promotion of offshore aquaculture [OATP]
- PROBIOPRISE - Contributing to biodiversity conservation: new opportunities for SME's? [PROBIOPRISE]
- PROFET - European Workshops on RTD Requirements for Professional Aquaculture [PROFET]
- SEACASE - Promoting extensive and semi-intensive aquaculture in southern Europe [SEACASE]
- SPICOSA - Towards the sustainable development of our European coasts [SPICOSA]

TCM: MPAs

- BIOMEX-01 - Estimating biomass export from Marine Protected Areas in the Mediterranean [BIOMEX-01]
- EMPAFISH - Marine Protected Areas in southern Europe as a tool for ecosystem conservation and fisheries management [EMPAFISH]
- EnviEFH - Mapping essential fish habitats in the Mediterranean [EnviEFH]
- PROTECT - Marine Protected Areas in northern Europe as a tool for ecosystem conservation and fisheries management [PROTECT]
- VALFEZ - The value of exclusion zones as a fisheries management tool [VALFEZ]

Scientific advice to fisheries management

- COMMIT - Evaluating alternative strategies for long-term planning of fisheries management [COMMIT]
- EFIMAS - Managing fisheries in a virtual environment in order to provide more reliable scientific advice to stakeholders [EFIMAS]
- FEMS - A framework for evaluating management strategies in fisheries [FEMS]

- ISTAM - Laying the scientific foundation for Fisheries Agreements with third countries [ISTAM]
- POORFISH - Improving the scientific advice relating to data-poor fisheries [POORFISH]

The role of data collection and analysis in the formulation of scientific advice

- CATEFA - Combining acoustic and trawl data to improve fish stock assessments [CATEFA]
- DATRAS - A central database for research vessel surveys [DATRAS]
- EASE - Evaluating the advisory structure for fisheries management in Europe [EASE]
- GBMAF - Improving the scientific basis for Atlantic mackerel fisheries management [GBMAF]
- MACOM - Variations in growth among families of Atlantic cod [MACOM]

Ecosystem approach to fisheries management

- BECAUSE - Modelling the critical interactions between exploited prey fish, exploited fish predators and other wild life [BECAUSE]
- COST-IMPACT - What is the economic cost of changes in marine ecosystems, that are caused by fishing disturbance? [COST-IMPACT]
- DIPNET - Learning more about the transfer of pathogens in the sea [DIPNET]
- ECASA - An ecosystem approach for sustainable aquaculture [ECASA]
- ETHOFISH - Fish' responses on increased water turbidity and reduced oxygen availability [ETHOFISH]
- FinE - The overlooked evolutionary dimension of modern fisheries [FinE]
- GENIMPACT - Investigating the genetic co-existence of fishing and aquaculture activities [GENIMPACT]
- HERGEN - Conserving the Atlantic herring's genetic diversity [HERGEN]
- IBEFish - Stakeholder participation towards ecosystem-based approaches to fisheries management [IBEFish]
- IMAGE - Indicators for an ecosystem-based approach to fisheries management in Europe [IMAGE]
- IMPASSE - Reducing the impact of alien fish species [IMPASSE]
- INDECO - Incorporating environmental requirements into the CFP [INDECO]
- IN EX FISH - The effects of non-fishery influences on fish stocks [IN EX FISH]
- MERAMED - A tool to monitor the environmental impact of marine fish cage farms in the Mediterranean [MERAMED]
- RECLAIM - How will global warming have an impact on fisheries resources? [RECLAIM]
- SAMI - Trawling aquaculture-environment research to enhance accessibility [SAMI]
- WESTHER - Describing the stock structure of herring in west European waters [WESTHER]

Diversification/Enhanced production

- BLUE SEED - Using hatchery techniques to guarantee blue mussel production [BLUE SEED]
- BOLCI - Making European oysters bonamiosis-free [BOLCI]
- COLORED - Towards natural hue development in cultured red porgy population [COLORED]
- COMPETUS - Testing genetic selection strategies for sea bass to increase fish farmers' competitiveness [COMPETUS]
- FISHCAL - Calcium, the backbone of fish culture [FISHCAL]
- HERITABOLUM - Improving sea bass quality by looking into its genetic profile [HERITABOLUM]

- REPRO-DOTT - Reproduction of the Bluefin Tuna in captivity [REPRO-DOTT]
- ROTIGEN - Shedding light on crashes in mass rotifer cultures [ROTIGEN]
- ROTRECIRC - A recirculation system for high-density rotifer production [ROTRECIRC]
- SEAPURA - Using seaweed to purify effluents from aquaculture farms and lots more! [SEAPURA]
- SOLEMATES - Towards commercial sole farming [SOLEMATES]
- SPIINES2 - Addressing the constraints for commercial sea urchin aquaculture [SPIINES2]
- SPONGE - Culturing sponges for human health [SPONGE]
- SPONGES - Tackling the persisting challenge of growing sponges in tanks [SPONGES]

Food safety: harmful algal blooms (HABs)

- ALGADEC - A new tool in the war against harmful toxin-producing algae [ALGADEC]
- BIOTOX - Alternative methods for biotoxin detection and depuration in shellfish [BIOTOX]
- ECOHARM - Socio-economic impacts of harmful algal blooms [ECOHARM]
- HABES - A Harmful Algal Blooms Expert System [HABES]
- HABILE - Monitoring and modelling the occurrence of Harmful Algal Blooms [HABILE]
- SEED - How natural and man-made phenomena affect HAB formation [SEED]
- SHELLFISH - An accelerated detoxification system for live marine shellfish contaminated by algal PSP toxins [SHELLFISH]