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PROFET POLICY

' FISH POLICY FLOW'

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– Specific Support Actions (SSA)

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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)	

List of the ALL Technical Leaflet compilations

Fisheries

The Technical Leaflets related to Fisheries research projects – made under the 5th and 6th Framework programmes – were compiled during the whole project and are listed in the LIBRARY of the website (http://www.profetpolicy.info/index.php?option=com_docman&task=cat_view&gid=27&Itemid=7) in categories.

- Fisheries and aquaculture management and the conservation of species diversity
- The role of data collection analysis in the formulation of scientific advice
- Fisheries management and stakeholder involvement
- Technical Conservation Measures (TCM): Marine Protected Areas (MPAs)
- Technical Conservation Measures (TCM): Improvements in fishing technology to reduce by-catch and discards
- European Policies and Fisheries
- The impact of regulations on fishing effort and fishing mortality
- Socio-economic dimensions of fisheries activity
- Monitoring and control of fisheries
- Long-term Management and Recovery Plans
- Scientific advice to fisheries management
- Ecosystem approach to fisheries management

The TL's were also classified per European Policy, for which a background document was written:

Ecosystem approach to fisheries management

- Modelling the critical interactions between exploited prey fish, exploited fish predators BECAUSE
- Monitoring the biological effects of environmental pollution in marine coastal ecosystems BEEP
- What is the economic cost of changes in marine ecosystems, that caused by fishing disturbance? COST-IMPACT
- Learning more about the transfer of pathogens in the Sea DIPNET
- A Fisheries Ecosystem Plan for the North Sea EFEP
- Fish' responses on increased water turbidity and reduced oxygen availability ETHOFISH
- The overlooked evolutionary dimension of modern fisheries FINE
- Stakeholder participation towards ecosystem-based approaches to fisheries management ... IBEFish
- Indicators for an ecosystem-based approach to fisheries management in Europe IMAGE
- The impact of sandeel stock density on seabird foraging success and breeding performance IMPRESS
- Incorporating environmental requirements into the CFP INDECO
- The effects of non-fishery influences on fish stocks IN EX FISH
- Managing Fisheries to Conserve Groundfish and Benthic Invertebrate Species Diversity ... MAFCONS
- Marine Protected Areas as a tool for ecosystem conservation and fisheries management (MPAs) PROTECT - MPAs
- How will global warming have an impact on fisheries resources? RECLAIM
- Improved management of small pelagic fish populations in the Mediterranean SARDONE
- Improving the swordfish stock assessment in the Mediterranean SIDS

Fisheries Management and the Conservation of Species Diversity

- Incorporating environmental requirements into the CFP 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 diversityHERGEN
- The impact of salmon farming on the genetic variation in wild populations of Atlantic salmon and brown trout SALIMPACT
- Sea lice: a salmonid's taleSUMBAWS
- Describing the stock structure of herring in west European waters WESTHER

Restocking: the eel case

- Estimating the chance of recovery for the eel populationEELREP
- The impact of fisheries and hydroturbines on the European eel population SILVEREEL
- A study leading to informed management of eelsSLIME

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

- An automated age-reading system for fish otoliths AFISA
- Combining acoustic and trawl data to improve fish stock assessmentsCATEFA
- A central database for research vessel surveys DATRAS
- Evaluating the advisory structure for fisheries management in Europe EASE
- Using Fish Aggregating Devices (FADs) as instrumented observatories of pelagic ecosystems FADIO
- Making more reliable estimates of European fish stocks FISBOAT
- The Fish Technology Knowledge BaseFISH-TECH-DB
- Improving the scientific basis for Atlantic mackerel fisheries managementGBMAF
- Laying the scientific foundation for Fisheries Agreements with third countries ISTAM
- Variations in growth among families of Atlantic codMACOM
- A strategy for the development of a novel survey trawlSURVEYTRAWL
- Towards accreditation and certification of age determination of aquatic resources TACADAR

European Policies and Fisheries

- Bridging the gap between Science and IndustryAQUAFLOW
- Baltic Organisations' Network for Funding Science BONUS
- Towards the sustainable development of European aquacultureCONSENSUS
- European research for Mediterranean seafoodERMES
- A European network of excellence for ocean ecosystems analysisEUR-OCEANS
- The future of European fisheries and aquaculture research FEUFAR
- Maximising the value of EU-funded research in fisheries, aquaculture and seafood processingIMPACT FISH
- Creating an interdisciplinary network for marine biodiversity and ecosystem functioningMARBEF
- Strengthening the links between European marine fisheries science and fisheries management MARIFISH
- Bringing together European fisheries and aquaculture research institutesMUTFISHARE
- European Workshops on RTD Requirements for Professional Aquaculture PROFET
- Towards the sustainable development of our European coasts SPICOSA

Scientific advice to fisheries management

- Developing software packages for fisheries management in the Mediterranean BEMMFISH
- Evaluating alternative strategies for long-term planning of fisheries management COMMIT
- Managing fisheries in a virtual environment in order to provide more reliable scientific advice to stakeholdersEFIMAS
- A framework for evaluating management strategies in fisheriesFEMS
- Making more reliable estimates of European fish stocks FISBOAT
- Balancing multiple objectives in EU fisheries management MOFISH
- Improving the scientific advice relating to data-poor fisheriesPOORFISH
- Introducing risk analysis theory in fisheries managementPRONE
- Best practices for giving scientific advice to fisheries managers at the European, the regional and the sub-national levelSAFMANS

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

- Developing low-impact fishing gear DEGREE
- Increasing the use of fishery by-products for human consumption FISHERY BY-PRODUCTS
- 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

Monitoring and control of fisheries activity

- Towards fleet- and area-based fisheries management AFRAME
- Linking fleet capacity and fishing effort to fishing mortality CAFE
- Real-time monitoring of fishing activity CEDER
- Analysing costs and benefits of increased enforcement in different control schemes COBECOS
- Economic assessment of European fisheries EAEF
- How does policy have to change to stop fishermen from violating regulations? FISHREG
- A vessel Detection System to improve and support monitoring and control of fisheries activities IMPAST
- A secure and harmonised European electronic logbook for fisheries SHEEL

Fisheries management and stakeholder involvement

- New thinking in European fisheries management CEVIS
- Managing fisheries in a virtual environment in order to provide more reliable scientific advice to stakeholders EFIMAS
- Policy and knowledge in fisheries management PKFM
- Sharing responsibilities in fisheries management RESPONSIBLE
- Best practices for giving scientific advice to fisheries managers at the European, the regional and the sub-national level SAFMAMS

TCM: MPAs

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

Long-term Management and Recovery Plans

- Tracing the whereabouts of Atlantic cod CODTRACE
- Enhancing the knowledge base for effective cod stock management CODYSSEY
- The role of stock structure in the conservation of fish populations METACOD
- Developing strategies for the recovery of marine fish stocks UNCOVER
- Describing the stock structure of herring in west European waters WHESTHER

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

- Linking fleet capacity and fishing effort to fishing mortality CAFE
- 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

Socio-economic dimensions of fisheries activity

- Economic assessment of European fisheries EAEF
- But what about the fishermen? MFBUNRR

Aquaculture

The Technical Leaflets related to Aquaculture research projects – made under the 5th and 6th Framework programmes – were compiled during the whole project and are listed in the LIBRARY of the website (http://www.profetpolicy.info/index.php?option=com_docman&task=cat_view&gid=13&Itemid=7) in categories as followed:

- Restocking: the eel case
- Genetics and Genomics
- Food safety, quality, traceability and marketing
- Diversification and Conservation
- Training and skill development
- Fish Welfare
- Environmental issues
- Sustainable feeds for fish farming
- Control of fish diseases
- New technologies and Infrastructure
- European Policies and Aquaculture

The TL's were also classified per European Policy, for which a background document was written:

European Policies and Aquaculture

- Are aquaculture and coastal fishing sustainable? AQCESS
- Bridging the gap between Science and Industry AQUAFLOW
- A Code of Good Practice for farm animal breeding and reproduction CODE EFABAR
- Towards the sustainable development of European aquaculture CONSENSUS
- A network to support innovation in European aquaculture CSN-INTRAN
- An ecosystem approach for sustainable aquaculture ECASA
- European research for Mediterranean seafood ERMES
- The future of European fisheries and aquaculture research FEUFAR
- Investigating the genetic co-existence of fishing and aquaculture activities..... GENIMPACT
- Maximising the value of EU-funded research in fisheries, aquaculture and seafood processingIMPACTFISH
- Reducing the impact of alien fish speciesIMPASSE
- In search of sustainable shellfish production areas KEYZONES
- Bringing together European fisheries and aquaculture research institutesMUTFISHARE
- A technology platform for the promotion of offshore aquacultureOATP
- A permanent advisory network for diseases in aquaculturePANDA
- Contributing to biodiversity conservation: new opportunities for SME'sPROBIOPRISE
- European Workshops on RTD Requirements for Professional Aquaculture PROFET
- Promoting extensive and semi-intensive aquaculture in southern EuropeSEACASE
- Seafood for a better life SEAFOODPLUS
- Sustainable farm animal breeding in EuropeSEFABAR
- Focussing on sustainable and healthy freshwater aquacultureSUSTAINAQUA

Policy background of Diversification/Enhanced and Conservation concerning aquaculture

- Using hatchery techniques to guarantee blue mussel productionBLUE SEED
- Making European oysters bonamiosis-freeBOLCI
- Towards natural hue development in cultured red porgy populationCOLORED
- Testing genetic selection strategies for sea bass to increase fish farmers' competitiveness COMPETUS
- Calcium, the backbone of fish culture FISHCAL
- Improving sea bass quality by looking into its genetic profile HERITABOLUM
- Bio-economic feasibility of intensive pikeperch culture LUCIOPERCA

- Improving pikeperch larval quality and productionLUCIOPERCIMPROVE
- Securing the production of Eurasian perch juveniles PERCATECH
- Intensive and sustainable culture of the freshwater fish species tenchPROTENCH
- Reproduction of the Bluefin Tuna in captivity REPRO-DOTT
- Shedding light on crashes in mass rotifer cultures ROTIGEN
- A recirculation system for high-density rotifer productionROTRECIRC
- Doubling European production of the great scallopSCALQUAL
- Using seaweed to purify effluents from aquaculture farms - and lots more! SEAPURA
- Towards commercial sole farming SOLEMATES
- Addressing the constraints for commercial sea urchin aquaculture SPIINES2
- Culturing sponges for human healthSPONGE
- Tackling the persisting challenge of growing sponges in tanksSPONGES
- Improving productivity on turbot farmsTURPRO

Policy background of Control of infectious diseases

- Selective breeding to improve disease and stress resistance in fish and shellfishAQUAFIRST
- Learning more about the transfer of pathogens in the seaDIPNET
- Fighting epizootic diseases by improving excellenceEPIZONE
- Increasing carp resistance to bacterial and viral infectionsEUROCARP
- Controlling infectious diseases by stimulating larval defence mechanismsFISHAID
- Zoo-sanitary risks associated with trade and transfer of fish eggs and sperm FISHEGGTRADE
- Oral vaccination of fish with plant-derived protein vaccinesFISHOV
- Technological knowledge-platform for a future improved immunity to infectious diseases in aquaculture IMAQUANIM
- Methods for the detection and the control of Infectious Salmon Anaemia ISA
- Controlling the dispersion of enteric myxosporosis in the Mediterranean MYXFISHCONTROL
- A permanent advisory network for diseases in aquaculturePANDA
- Identifying disease risk to native fish from ornamental fish speciesRANA
- How to avoid disease outbreaks: fight bacteria with bacteria RMBC
- Understanding the genetic basis for resistance to Gyrodactylus salaris in Atlantic salmon..... SALMOGYRO
- Sea lice resistance to chemotherapeutants SEARCH
- Sea lice: a salmonid's taleSUMBAWS
- Fighting streptococcal infections in rainbow trout TROUT STREPTOCOCCOSE

Policy background of Aquaculture-environment interactions

- Are aquaculture and coastal fishing sustainable? AQCESS
- Farming out waste to help the environment AQUAETREAT
- Reforming environmental management for improved sustainability AQUAGRIS
- How effective are biological filters in reducing the environmental impact of finfish cages? BIOFAQS
- An ecosystem approach for sustainable aquaculture ECASA
- Marine Protected Areas as a tool for fisheries management and ecosystem conservation .EMPAFISH
- Reconciling fishermen and fish-eating vertebrates FRAP
- Sustainable integrated marine multi-trophic aquaculture in Europe GENESIS
- Investigating the genetic co-existence of fishing and aquaculture activities GenImpact
- Why local people should get involved in wetland management IMEW
- Reducing the impact of alien speciesIMPASSE
- Do marine cages affect Mediterranean vegetation? MEDVEG
- A tool to monitor the environmental impact of marine fish cage farms in the MediterraneanMERAMED
- Reducing the conflict between Cormorants and fisheries on a pan-European Scale REDCAFE
- The impact of salmon farming on the genetic variation in wild populations of Atlantic salmon and brown trout through disease transmission SALIMPACT
- Trawling aquaculture-environment research to enhance accessibility SAMI

Policy background of Food safety and quality/traceability/marketing

- Towards an improved quality of smoked salmon for the European consumerEUROSALM
- Prices and margins along the European seafood value chain SALMAR
- Establishing standards for the traceability of seafood products TRACEFISH

Harmful algal blooms (HABs)

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

Other contaminants

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

Policy background of Sustainable feeds for fish farming

- Formulating fish diets to maximise human health benefits AQUAMAX
- Thematic network on fish meal and oil replacement FORM
- Gaining insights in the biology of fish lipid metabolismFPPARS
- Are appetite, intestinal structure and function of salmonids adversely affected by feeds containing vegetable lipids? GUTINTEGRITY
- Fish meal replacement in feeds: effects on fish quality and the environmentPEPPA
- Substituting fish oil with marine microalgae in fish feed productionPUFAFEED
- Using vegetable oils as alternatives to fish oils in aquacultureRAFOA
- Optimising feeding efficiency by analysing the fish's need for macronutrientsSELFISH

Policy background of Genetics and genomics

- Improving stock rearing in aquaculture through applied genetics knowledge AQUABREEDING
- Selective breeding to improve disease and stress resistance in fish and shellfishAQUAFIRST
- Integrated knowledge on functional genomics in sustainable aquacultureAQUAFUNC
- Genomics in fish and shellfish: from research to aquacultureAQUAGENOME
- Building a roadmap of the European sea bass's genes BASSMAP
- A European Animal Disease Genomics Network EADGENE
- Understanding and communicating fish reproduction research REPROFISH

Policy background of Fish welfare

- Selective breeding to improve disease and stress resistance in fish and shellfishAQUAFIRST
- Evaluating the economic impact of maintaining the welfare of farmed fish BENEFISH
- Identifying quantifiable indicators of stress in farmed fishFASTFISH
- Reduction of malformations of juvenile fish in hatcheries FINEFISH
- Eliminating lordosis and improving musculoskeletal growth in sea bass ORCIS
- Improving the health and welfare of farmed fish WEALTH
- A network on fish welfare in European aquacultureWELLFISH

Policy background of New technologies/Infrastructure

- Farming out waste to help the environment AQUAETREAT
- Towards European Best Practice in marine aquaculture biofouling CRAB
- A network to support innovation in European aquaculture CSN-INTRAN
- Facing the unmet needs in European aquaculture DESIGNACT
- An escape-proof net for cod, bass and bream fish farming ESCAPEPROOFNET
- Improving water quality in recirculation systems by means of electro-coagulation FISHTANKRECIRC
- Development of an "intelligent fish tank" for cost-effective aquaculture production . INTELFISHTANK

Policy background of Training and education/Lifelong learning

- Advanced laboratory training courses in aquaculture for early-stage researchers AQUALABS
- The aquaculture, fisheries and aquatic resources management thematic network in education and training AquaTNet
- Access to south European finfish aquaculture facilities ASEFAF
- Validation of all lifelong learning in aquaculture VALLA
- Validation of working experience in aquaculture WAVE

Policy background of 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