

“Support to aquaculture research in FP6 and new opportunities in FP7”

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DG FISHERIES & MARITIME AFFAIRS

5 Directorates (A-E), 19 units

Elaboration and implementation of the Common Fisheries Policy (CFP)

The CFP includes a body of rules and mechanisms covering the exploitation, processing and marketing of living aquatic resources (fish, shellfish and molluscs) and aquaculture products. Principle of precaution.

Main domains of action:

- Conservation & limitation of the impact of fisheries on the environment
- Aquaculture development
- Management of the fleet: balance between fishing effort and stocks
- Control & enforcement
- Markets: fit the offer to the demand
- Relations with third parties

Main tasks of A3 Unit (DG FISH)

Related to Fisheries & Aquaculture in FP5 & FP6

- Management of FP5 & FP6 research projects in the field of fisheries and aquaculture (approx. 80 projects)
- Dissemination and transfer of results to users and integration to CFP

Related to Fisheries & Aquaculture in FP7

- Participation in the definition of the annual work programme (Theme 2 and 6) – pre-consultation
- Integration of results of FP7 fisheries & aquaculture research into CFP

Related to Marine research in FP7

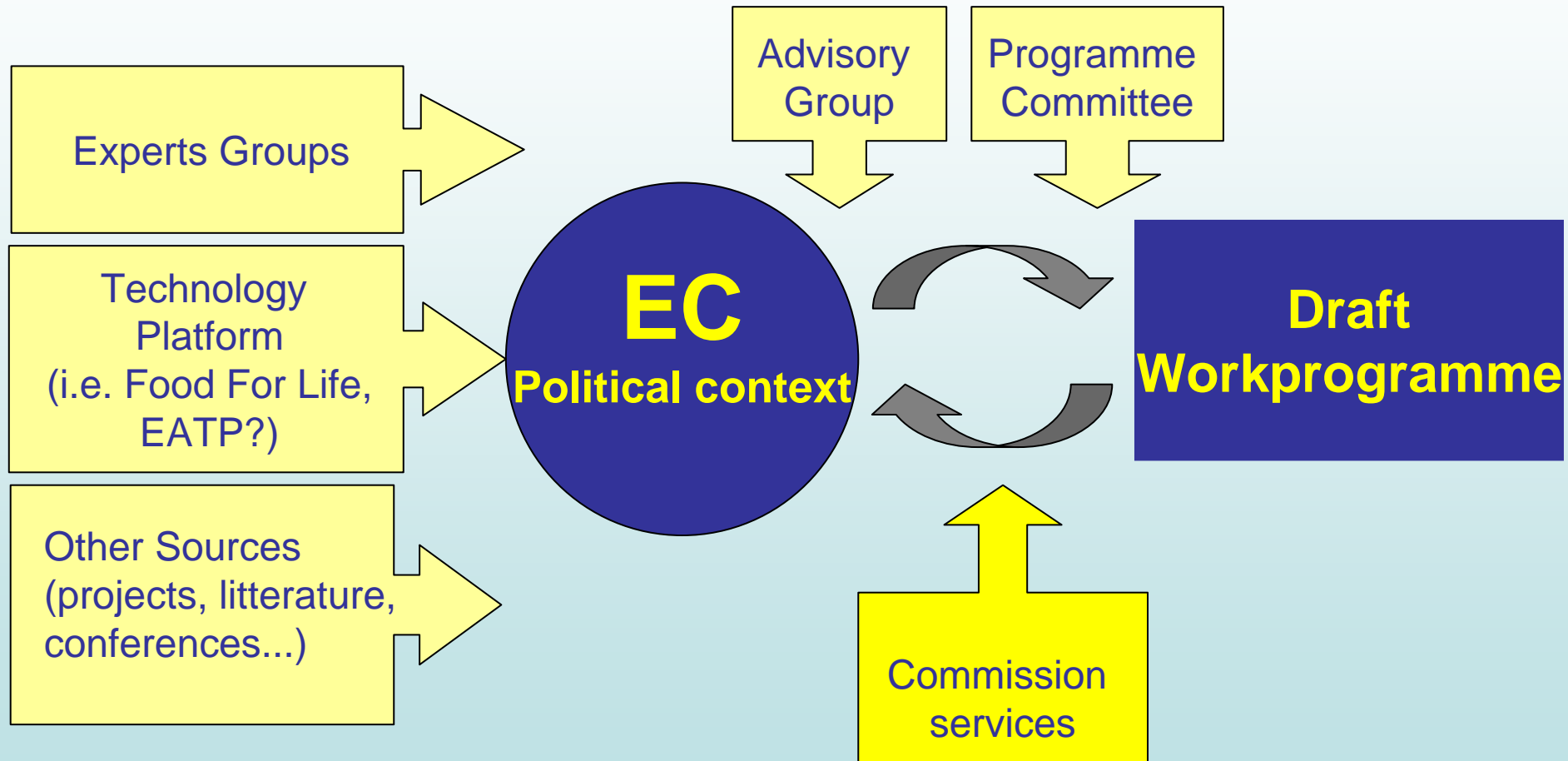
- in connexion with the MPTF, coordination of activities and integration of maritime policy research priority into relevant marine research across FP7 priorities
- Pre-consultation for annual work programmes (all maritime & marine related themes)

COM on Marine research strategy in 2008 by DG RTD (blue book)

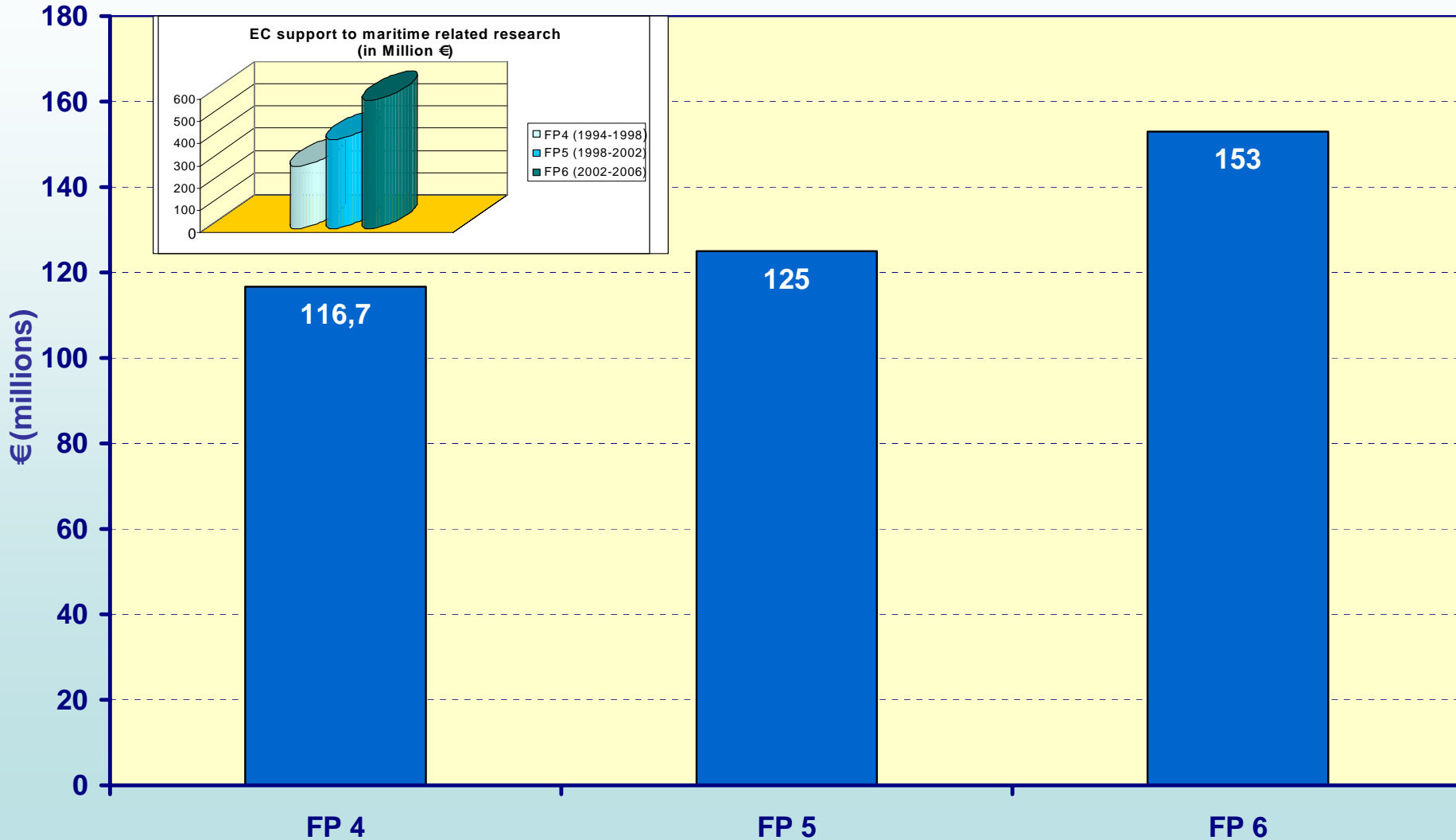
From the political commitment to the WP and aquaculture research...

- **Competitiveness (Lisbon strategy)**
- **Gothenburg declaration on sustainability (Gothenburg)**
- **A Strategy for the Sustainable Development of European Aquaculture COM (2002) 511final (under revision)**
- **Marine Strategy Directive COM (2005)**
- **Maritime Policy (BLUE Book)**
- **Animal health Directive (COM (2005)0362)**
- **...**

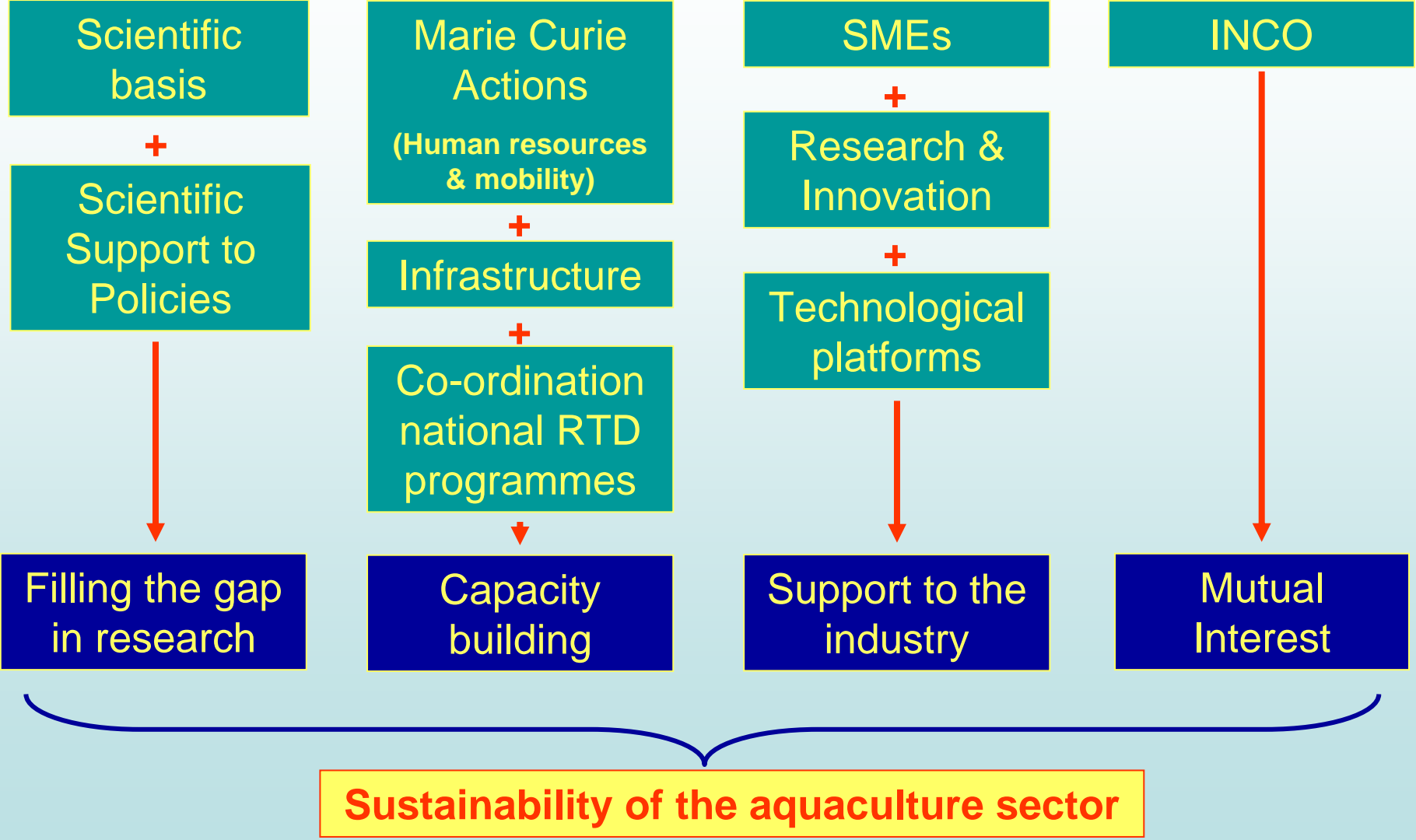
From the political context to the workprogramme



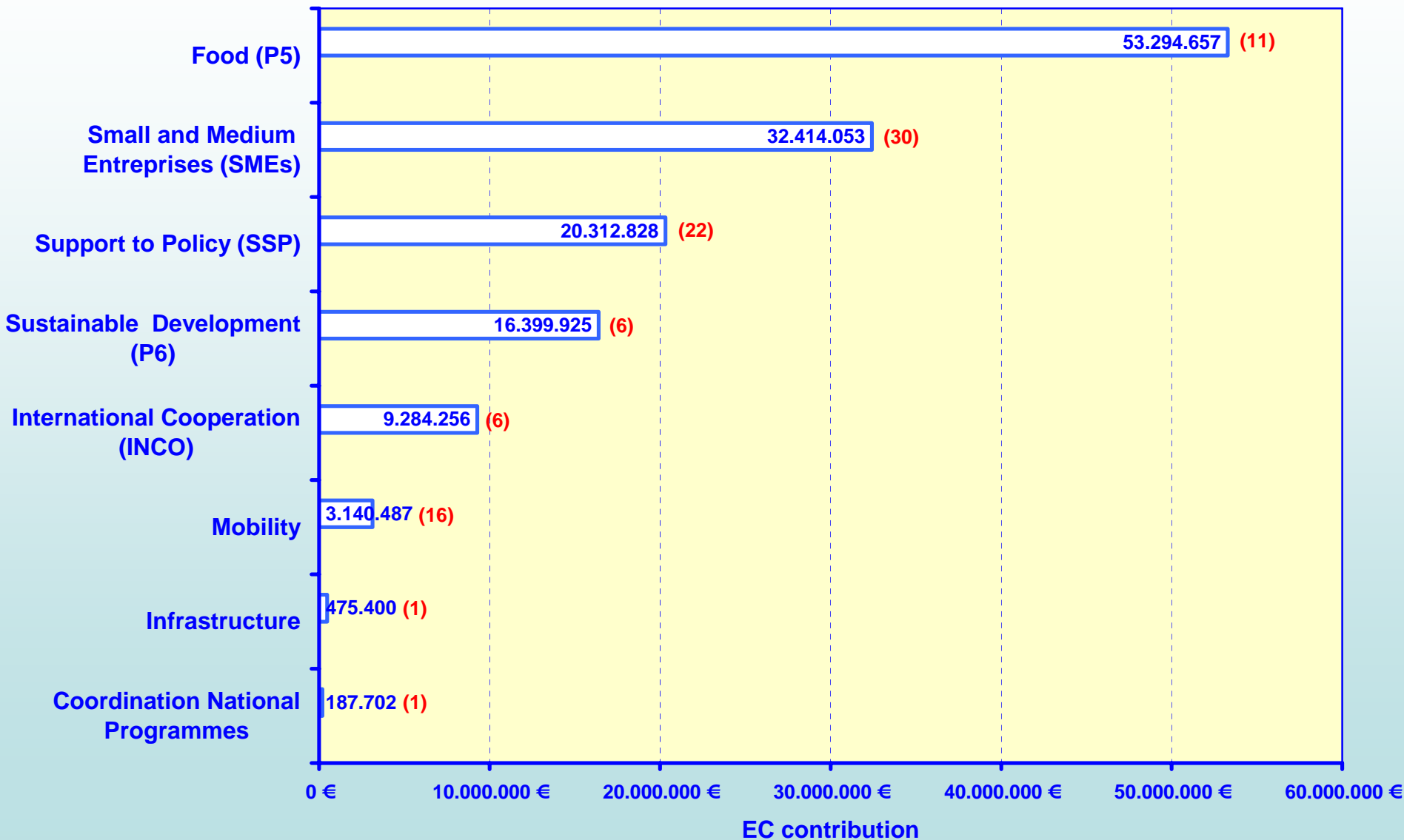
Budget allocated to fisheries & aquaculture research in FPs



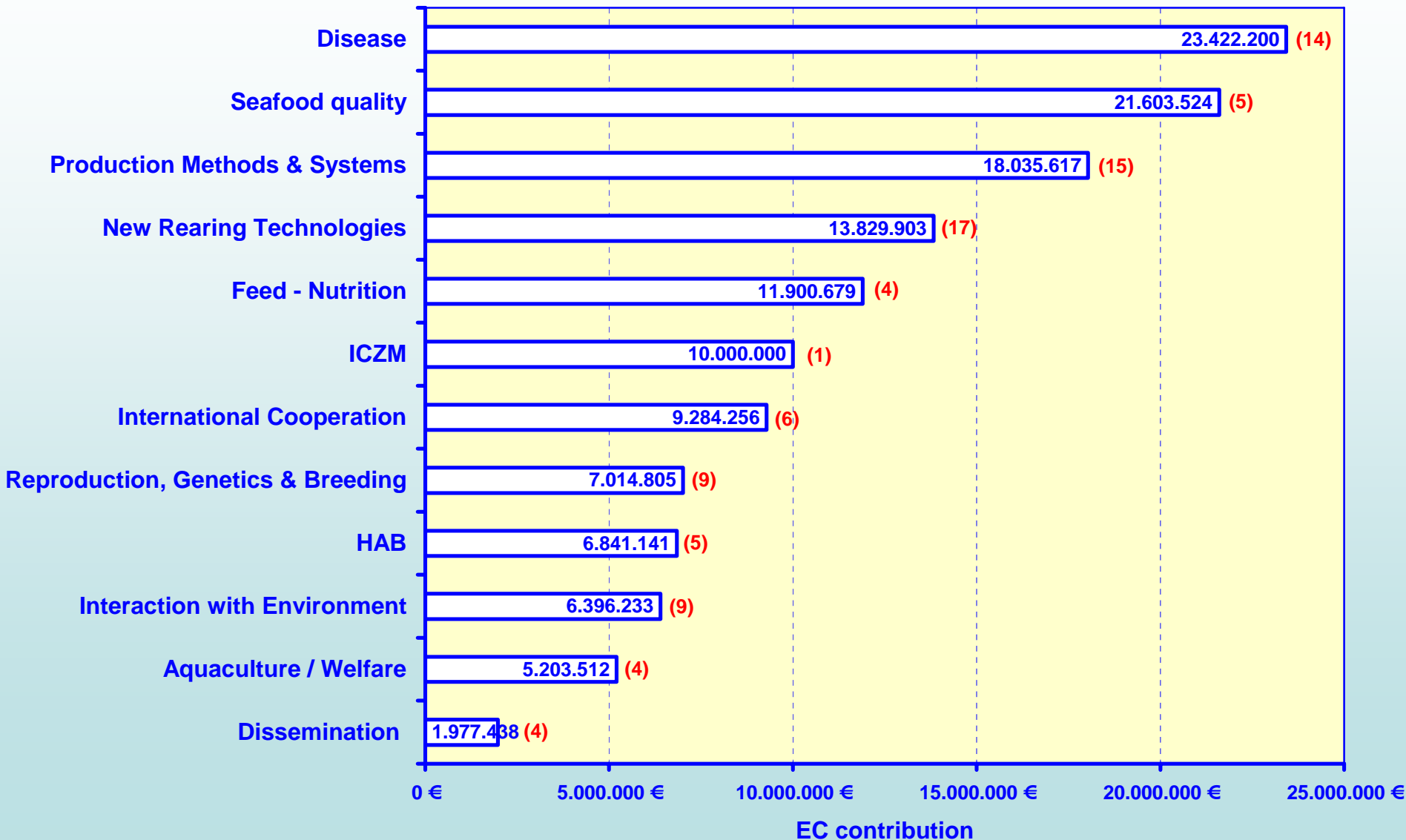
FP6 “tools” for Aquaculture research



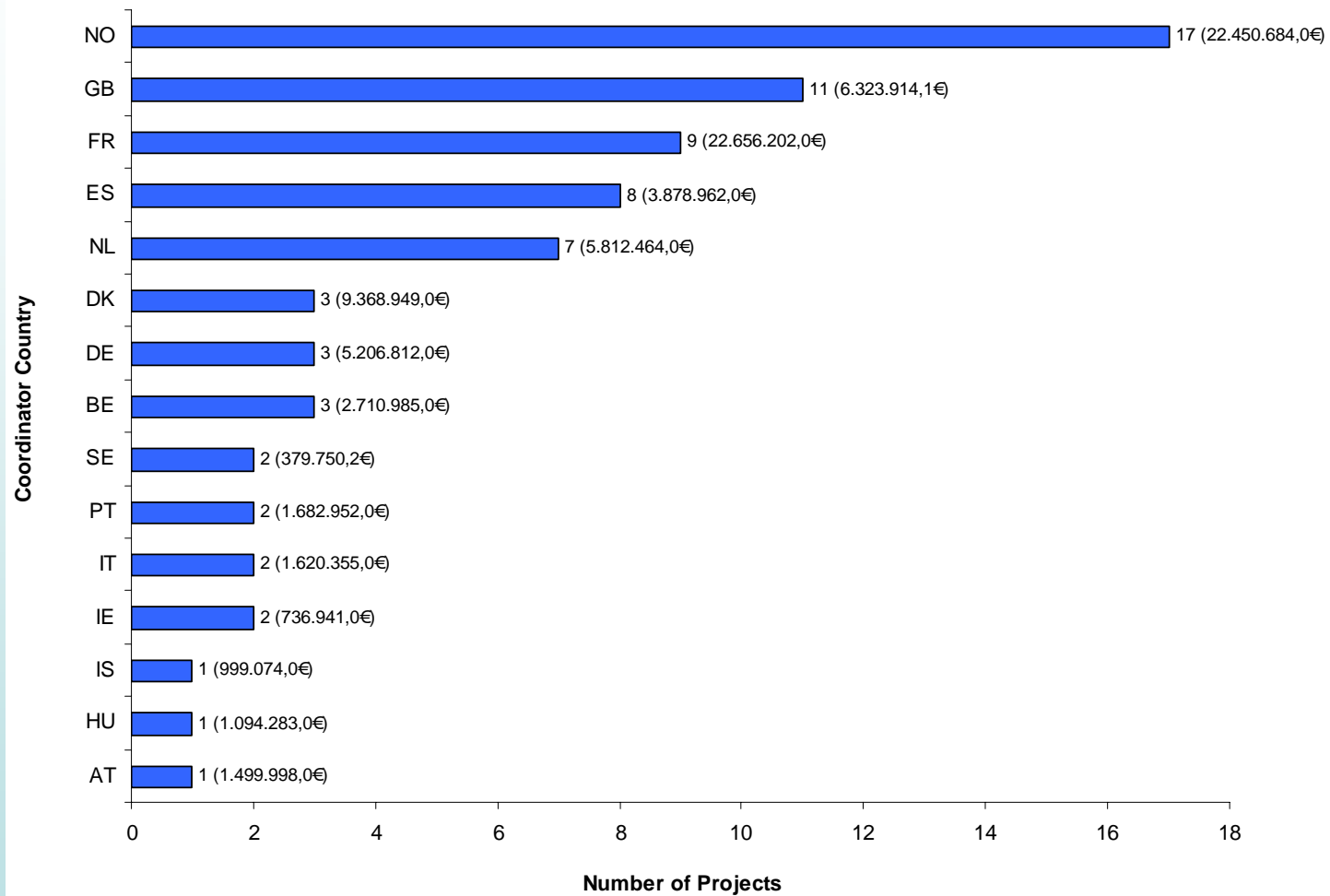
Funding of Aquaculture Research projects per action line (FP6)



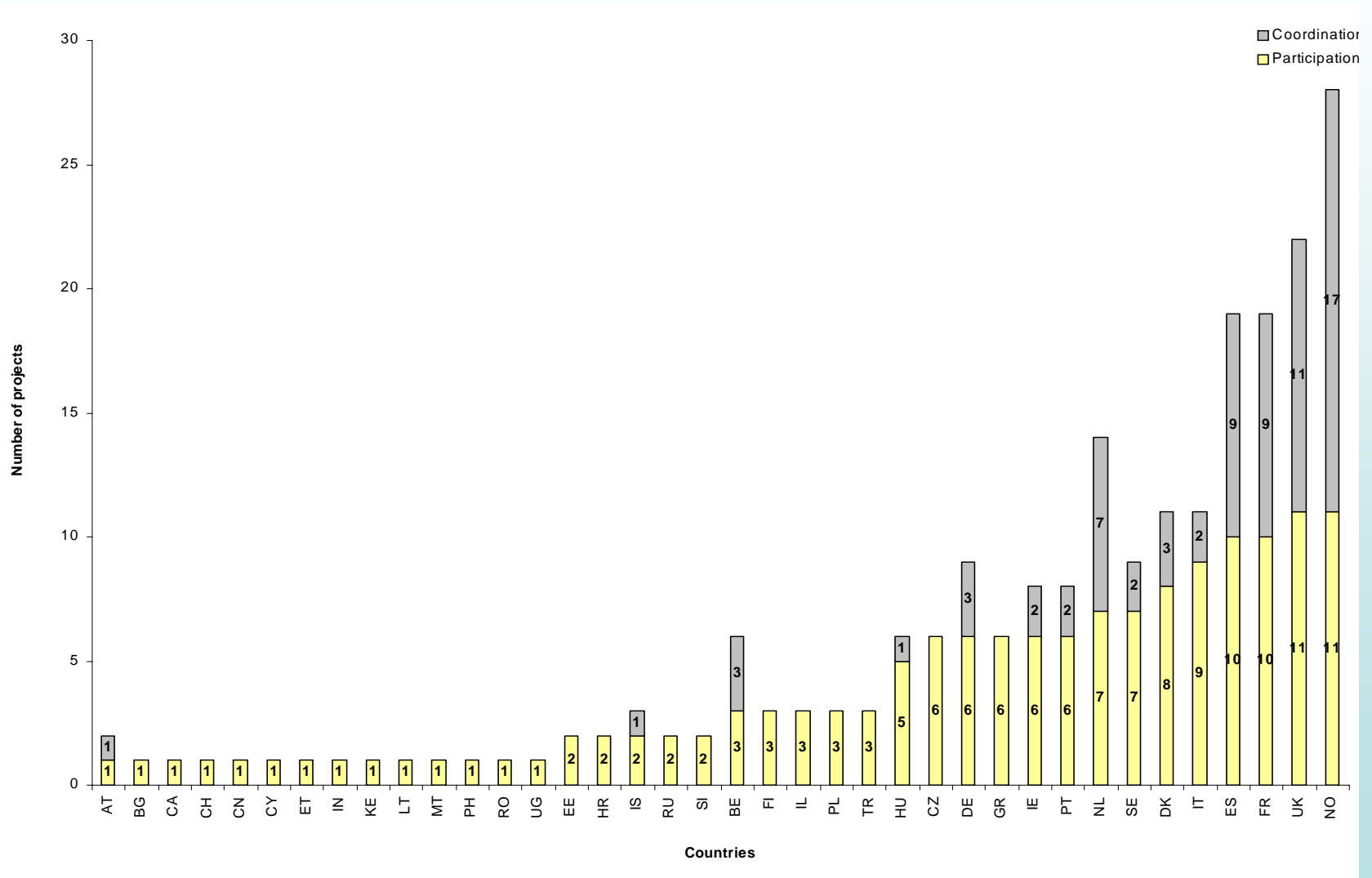
Funding of Aquaculture Research projects per Scientific field (FP6)



FP6 Projects –coordinator countries



Aquaculture projects in FP6 per participating & coordinating country



FP6 Aquaculture Research projects with FW component

EUROCARP: Stress and disease resistance in Carp (SSP-STREP-
1.1 M€)

AQUAGENOME: Genomics in fish and shellfish: From research to
aquaculture (SSP-CA-0.8 M€)

AQUAMAX: (P5, IP, 12 M€)

SEAFOODPLUS: (P5, IP, 14 M€)

EADGENE: European Animal disease genomics network of
excellence for animal health and food safety (P5, NoE, 11.5 M€)

ECASA: Ecosystem approach to aquaculture (SSP, STREP, 2.5 M€)

IMPASSE: Environmental impact of alien species in the environment
(SSP, CA, 0.5 M€)

FP6 Aquaculture Research projects with FW component

DAISY: Alien species (P6, STREP, 2.5 M€)

SEED: HABs (P6, STREP, 1.5 M€)

SPICOSA: Science and Policy integration for coastal system assessment
(P6, IP, 10 M€)

CONSENSUS: Platform for sustainable aquaculture(P5, CA, 1.5 M€)

FP6 Aquaculture Research projects with FW component

SUSTAINAQUA: freshwater aquaculture (SME – 2.5 M€)

LUCIOPERCIMPROVE: Pikeperch (SME – 0.97 M€)

PROTENCH: Tench (SME – 0.9 M€)

PERCATECH: Eurasian Perch (SME – 0.75 M€)

AQUAETREAT: Effluent treatment (SME - 1.4 M€)

FISHTANKRECIRC: Cleaning reuse water (SME - 0.66 M€)

STUNFISHFIRST: Slaughter of farmed fish (SME - 0.9 M€)

RACEWAYS: Hyperintensive fish farming (SME - 0.9 M€)

INTELFISHTANK: New tank design (SME - 0.6 M€)

AQUADEGAS: Degassing and aeration method (SME - 0.75 M€)

Lessons learnt

- Aquaculture research communities have been very active in responding to FP6 calls, particularly in SSP, P5, P6 and SMEs programmes
- SMEs calls have been particularly successful for aquaculture projects
- Strong networks and clusters have been created or reinforced in several key domains
- Large IP and NoE projects include Aquaculture research (Marine biodiversity, Seafood quality, nutrition, Immunology, ICZM etc)
- Initiative has been taken to reinforce the place of the industry in research (Technology Platform initiative on aquaculture)
- International dimension has been addressed mainly in the INCO programme (coordination of research - ASSEM, joint research projects – Mangrove..)

The Seventh Framework Programme

FP7

FP7 offers new opportunities to support EU competitive knowledge-based Aquaculture through innovation, frontier research, scientific basis, training, industry driven research, international cooperation

Cooperation – Collaborative research (32.3 b€)

Ideas – Frontier Research (7.4 b€)

People – Human Potential (4.7 b€)

Capacities – Research Capacity (4.2 b€)

+

JRC (non-nuclear)

JRC (nuclear)

Euratom

9 Themes (32.3 b€ in 7 years)

1.	Health	5.984 M€
2.	Food, agriculture, fisheries and biotechnology	1.935
3.	Information and communication technologies	9.110
4.	Nanosciences, nanotechnologies, materials and new production technologies	3.467
5.	Energy	2.265
6.	Environment (including climate change)	1.886
7.	Transport (including aeronautics)	4.180
8.	Socio-economic sciences and the humanities	607
9.	Security and space	2.858

Theme 2 - Food, agriculture, fisheries and biotechnology: objectives

- Build a European Knowledge-Based Bio-Economy (KBBE)
- Involve all stakeholders (incl. industry) in research
- Support CAP and CFP
- Respond quickly to emerging research needs
- Respond to social and economic challenges:
 - High quality food and sustainable food production
 - Food-related disorders (cardiovascular, obesity ...)
 - Infectious animal diseases and zoonoses
 - Sustainable agriculture/fishery and climate change
 - Clean biomaterials from renewable bio-resources

Theme 2 - Food, agriculture, fisheries and biotechnology: activities

Sustainable production and management of biological resources from land, forest, and aquatic environments

“Fork to farm”: Food, health and well being

Life sciences and biotechnology for sustainable non-food products and processes

Theme 2 – Sustainable production: aquaculture topics in the first FP7 calls

Call 1 (02/05/2007)

- **From capture based to self-sustained aquaculture** (Small collaborative project)
- **Improving cost-efficiency in the fisheries** (Small collaborative project)
- **Improving research in support to scientific advice to fisheries management outside EU waters (CA)**
- **Consolidate alliances with third countries in the field of aquaculture (CA)**
- **Mitigating adverse impacts of fisheries** (Small collaborative project)
- **The structure of fish populations and traceability of fish and fish products** (Small collaborative project)
- **Addressing uncertainty and complexity – governance for fisheries management** (Small collaborative project)
- **Interactions of fisheries and aquaculture of bluefin tuna (BFT) (SSA)**

Call 2 (End 2007)

- **Essential biological functions related to the most relevant stages of aquaculture fish life-history** (Large collaborative project)

Large collaborative project (max 6 M€)

Small collaborative research (max 3 M€)

CA, SSA (max 1 M€)

Theme 2: Aquaculture projects funded in the first FP7 calls

Production Methods & Systems (3 M€)

- SELFDOTT: From capture-based to self sustainable aquaculture of bluefin tuna (scp, 3M €, coord.: IEO)

SICA (1 M€)

- SARNISSA: Consolidate alliances with third countries (sub-Saharan Africa) in the field of aquaculture (CA, 1M€, coord.: Univ. Stirling)

TOPIC Not Funded

- Interactions of fisheries and aquaculture of bluefin Tuna

THEME 2 (max budget 12 M€)

- Essential biological functions related to the most relevant stages of aquaculture fish life-history (6 M€)
- Assessment and mitigation of the impact of aquaculture on wild populations (3 M€)
- Microbial control for more sustainable aquaculture (3 M€)

Deadline: 26/02/2008 (17h)

6. Environment and climate change

Pressures on environment and climate, impacts and feedback

Environment and health

Conservation and sustainable management of natural resources

Evolution of marine environments

Environmental Technologies

Natural hazards: understanding and prevention

Forecasting methods and assessment tools

Earth observation

Theme 6 – Environment: topics with potential interest for aquaculture (call 2008)

- Sustainable management of resources
- Evolution of marine environments
 - Ecology of important marine species
 - Dynamic of marine ecosystem in a changing environment
 - Bio invasions
 - Monitoring and evaluation of spatially managed areas

Sources of Information

FP6: <http://www.cordis.lu/fp6>
<http://europa.eu.int/comm/research/fp6/ssp>

FICHES SSP: http://ec.europa.eu/research/fp6/ssp/themes_en.htm#188

DG FISH: <http://europa.eu.int/comm/fisheries/>
DG RTD: <http://europa.eu.int/comm/research/>

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