



**Programme: FP7 Cooperation**  
**Theme 2 Food, Agriculture, Fisheries and Biotechnologies**

**Deliverable 7**

**Revised Technical Leaflet Template**

**Project Acronym :** AQUAINNOVA

**Project title :** Supporting governance and multi-stakeholder participation in aquaculture research and innovation

**Grant agreement number :** 245238 – FP7-KBBE-2009-3

**Project coordinator :** European Aquaculture Technology & Innovation Platform



**Deliverable 7** is the revised Technical Leaflet Template.

The WP2 of Aquainnova is tasked with managing knowledge within the project, including developing a suite of tools and methodologies to assist in project implementation. The revised Technical Leaflet Template is one of the tools.

Within Aquainnova, the coordinators of current (FP7) and past (FP6) research projects have been asked to provide details of research outcomes, give their opinion on potential impact of the outcomes if transferred to end users and finally identify where more RTD is required in the subject area. See matrix **D6**.

**In the case of FP 6 projects**, research outcomes are known, and coordinators identified how knowledge has already been transferred or where there could be a benefit to transferring knowledge at this stage.

It was thus important to restructure the previous Technical Leaflet (TL) developed within the European projects "PROFET" and "PROFET POLICY" (for 5th and 6th Framework programmes) and adapt it to the Aquainnova concept, including the following information:

- The challenge:
- Project Objectives:
- Key Points:
- Output Highlights:
- Next Steps – Suggested Actions/ Follow On:
- Project Information:
- Related Publications/Projects:
- Key words:
- EATIP Thematic Areas of Relevance:

**For FP 7 projects in progress**, coordinators have identified the knowledge outcomes objectives and assessed the potential impact of transferring the new knowledge on policy actions, R&D, the industry, the environment and society.

Therefore, a slight different TL was developed for FP7 projects, including:

- The challenge:
- Project Objectives:
- Key Points:
- Key New Knowledge Expected
- Potential Impacts:
- Related Publications/Projects:
- Project Information:
- Key words:
- EATIP Thematic Areas of Relevance:

Examples of updated Technical Leaflets are attached.

The Technical Leaflets can be searched through the search tool of the [eatip/aquainnova](http://eatip/aquainnova) website.



# PROFET POLICY

**A European Platform for the Communication of European RTD results to Stakeholders in Fisheries and Aquaculture**

## The Challenge

The modernisation of fisheries, including aquaculture-based production systems, has become a key element within the sustainable management of Europe's natural resources, an approach that is required because some exploited stocks are at historically low levels in European waters. To recover such stocks and to promote sustainable fisheries, the need for improved scientific advice on the medium- and long-term effects of different management tools has been clearly identified. New management methods are needed to recognize and resolve deficiencies through the improved understanding of key biological processes and parameters, fleet behaviour and socio-economic implications.

For the aquaculture sector, some aspects of the profession have also become important concerns due to interactions with the environment and quality and health aspects. At the moment, innovative European research continues to develop, while Fish Health legislation and environmental laws (including the Water Framework Directive) inevitably have direct and indirect effects on European aquaculture, coastal and inland. Not only are the fisheries and aquaculture sectors aware that modernisation is needed, but also that society at large is raising important questions that concern the acceptability of the activities of both sectors – for example, over-fishing and discards for fisheries, while by-products, waste discharge and fish welfare are key subjects for aquaculture.

Although representative organisations and their members regularly discuss such issues, it is not always clear that the details of policy and the mechanisms of decision-making are fully understood by professional stakeholders. Conversely, policy-makers need to be fully informed of the effects of policy on the professional sectors addressed.

Moreover, to succeed in modernising the fisheries and aquaculture sectors, the creation of new skills and the development and communication of these is necessary, requiring investment and promotion at all levels. Exposure of research results to the professionals, the policy-makers and other stakeholders will provide the stimulus for technology and knowledge transfer.

## Project Objective

'PROFET POLICY' provided an opportunity for interested stakeholders to become better informed on European policies that affect their sector. Moreover, the project aimed to provide the Commission with clear recommendations for scientific support to such policies.

'PROFET POLICY' has achieved this by building a platform for the communication and dissemination of the results of EU-funded research projects, in fisheries and aquaculture, of the 5th and 6th Framework Research Programmes.

### EATiP Thematic Area of Relevance

**TA1:** Product Quality, Consumer Safety and Health

**TA2:** Technology and Systems

**TA3:** Managing the Biological Lifecycle

**TA4:** Sustainable Feed Production

**TA5:** Integration with the Environment

**TA6:** Knowledge Management

**TA7:** Aquatic Animal Health and Welfare

**TA8:** Socio-Economics and Management

### Key Words

Policy, sustainability, communication, dissemination, fisheries, aquaculture, RTD, European projects, technical leaflets, workshops, network, stakeholders, platform

### Project Information

**Contract number:**  
22771

**Contract type:**  
Specific Support Action

**Action line:**  
POLICIES-1.3 The modernisation and sustainability of fisheries policies

**Duration:**  
39 months (01/11/2005 – 31/10/2008)

**Coordinator:**  
Mr. Courtney Hough – Federation of European Aquaculture Producers  
Rue de Paris 9, 4020 - Belgium

**Tel:**  
+32 4 338 2995

**E-mail:**  
courtney@feap.info

**Project website:**  
<http://www.profetpolicy.info/>



## Key Points

- To source and summarise, in simple language, research results in fisheries and aquaculture from the 5th and 6th Framework Programmes, focusing on relevance to policy.
- To improve the flow of information of research results funded by the Fifth and Sixth Framework Programmes to stakeholders, focusing on relevance to policy application and development – using web-based information supply, compendia and workshops.
- To provide dedicated forums for the exchange of views of National and European policy makers and stakeholders through the organisation of trans-national workshops covering the sectors of fisheries and aquaculture, incorporating the dissemination of research results.
- To identify research needs to support policy definition within the sectors, and as a support to the Common Fisheries Policy.

## Output Highlights

- Modern communication tools have been used to facilitate the flow of information of the FP 5 and FP 6 projects, focusing on policy-relevant results, to a wide-range of stakeholders, using primarily a web-based structure for the publication of Technical Leaflets (TLs). TLs have also been produced to update stakeholders on European policy and legislative developments.
- Complementary workshops have been organised on a thematic and regional basis, covering fisheries and aquaculture, focusing on promoting an exchange of views between aquaculture producers, fishers, scientists, National and European policy-makers and other stakeholders. Core elements of the workshops have been the presentation of the status and discussion of the RTD needs of each sector so as to recommend clear guidelines and topics for future European Union Research Programmes. Member Organisations of the representative European Associations have been closely involved in the organisation of the workshops. As a result needs and requirements of both sectors have been clearly identified and recommendations for future EU RTD actions in fisheries and aquaculture have been provided to the EC.
- The 'PROFET POLICY' workshops also provided a platform for the presentation of ongoing FP6 projects under the area of scientific support to policy, as well as established fisheries and aquaculture organisations and networks that have direct relevance to the individual workshop theme, using posters or presentation stands, thus providing valuable exposure to these projects to research and policy-oriented stakeholders.
- Within the workshops, the development of new cooperative projects, between the professional and scientific stakeholders has been encouraged. Summaries of the project's Technical Leaflets have been provided to Workshop participants and are publicly available; regular compendia of the Technical Leaflets have been compiled and individual and complete Workshop proceedings have been made available for wide dissemination.

## Next Steps – Suggested Actions/Follow On



### RTD

- Profet Policy highlighted the benefits of dissemination of appropriate RTD project results to targeted regional groupings, where the opportunities for presentation and debate on the RTD achieved are possible. In addition, increasing the awareness of both the professionals and RTD players on how different European policies are evolving highlighted the specific benefits of cooperative research efforts. Increased understanding of the scientific content of the projects was made by the summary technical leaflets which provided a concrete overview of the research achieved in the specific thematic areas identified. The follow-up to this was realised by 2 identifiable efforts. The first was the constitution of the European Aquaculture Technology and Innovation Platform, whose goals and intentions were presented during PROFET POLICY, and which groups industry and RTD players within a formal structure. The second was AQUAINNOVA, a EU project that looks to improve governance within the sector, improving the priorities for RTD proposals and the integration of results within the professional sectors. This project includes the continuation of providing a framework for dissemination of RTD project results and for the optimisation of knowledge transfer mechanisms.

## Related Publications/Projects

PROFET - AQUAFLOW - AQUAINNOVA



# CONFIDENCE

**Contaminants in food and feed: inexpensive detection for control of exposure**

## The Challenge

One of the major concerns of European governments, food producers and consumers is the presence of chemical contaminants in food and feed that may be harmful to our health. Consequently, Regulatory Authorities and the food/ feed industries spend large amounts on tests to ensure product safety. Many of the currently used tests are complicated, time-consuming and expensive, making it difficult to intervene and take corrective actions during the food production process. There is therefore an urgent need for validated screening tools that are simple, inexpensive, rapid and able to detect as many contaminants in parallel as possible.

## Project Objective

**Safer food through rapid and cost-efficient tests for chemical contaminants in the food chain**

The CONFIDENCE project aims indeed to further improve food safety in Europe by the development of faster and more cost-efficient methods for the detection of a wide range of chemical contaminants in different food and feed commodities. These methods will not only save precious time in ever faster production cycles, but will also permit more food/ feed samples to be monitored due to the lower cost per test. In combination with the broadened spectrum of detectable residues and contaminants the CONFIDENCE project will significantly increase food safety in Europe.

## Key Points

- To develop and validate new, simplified, inexpensive detection methods for chemical contaminants from farm to fork.
- To provide long-term solutions to the monitoring of persistent organic pollutants, perfluorinated compounds, pesticides, veterinary pharmaceuticals, heavy metals and biotoxins in high-risks products such as fish/shellfish, fish feed, cereals, cereal-based feed, potatoes, vegetables, honey, dairy products, eggs and meat.
- To contribute to validation of predictive hazard behaviour models.
- To disseminate and provide training of new detection methods to all relevant stakeholders, to advance technology exploitation.



Aquainnova

[www.eatip.eu](http://www.eatip.eu)

**EATiP** *Thematic Area of Relevance*

**TA1:** Product Quality, Consumer Safety and Health

**TA2:** Technology and Systems

**TA3:** Managing the Biological Lifecycle

**TA4:** Sustainable Feed Production

**TA5:** Integration with the Environment

**TA6:** Knowledge Management

**TA7:** Aquatic Animal Health and Welfare

**TA8:** Socio-Economics and Management

## Key Words

Food processing, food safety, contaminants, food and feed, monitoring

## Project Information

**Contract number:**

211326

**Contract type:**

Large-scale integrating project

**Research area:**

KBBE - Detecting contaminants in the food and feed chain

**Duration:**

48 months (01/05/2008–30/04/2012)

**Coordinator:**

Dr. Jacob de Jong

**Tel:**

+31 317 480376

**E-mail:**

[coordination@confidence.eu](mailto:coordination@confidence.eu)

**Project website:**

<http://www.confidence.eu/>



## Key New Knowledge Expected

### New Technologies

- Rapid and cost-efficient tests will be developed and validated for detecting chemical contaminants in meat, eggs, fish and fish feed, cereal based food/feed and vegetables.
- Long term solutions will be provided for the monitoring of persistent organic pollutants, perfluorinated compounds, pesticides, veterinary pharmaceuticals, heavy metals and biotoxins.
- Information and training of the developed methods
- Impact demonstration. The developed technologies will be applied to a variety of samples thus allowing exposure assessments and creation of occurrence data bases.

## Potential Impacts



### SME

- Simple, fast, inexpensive multiplex screening assays (multi-analyte multi-class detection) that are fully validated for use by industry and enforcement laboratories will greatly benefit both the industry and the Regulatory Authorities, speeding up processes and reducing costs.
- Food safety: The project will deliver scientific-technical solutions for the monitoring and enforcement of food safety. It will contribute to exposure assessment through international surveys and to the setting of regulatory limits for emerging contaminants through toxicological assessments.



### Knowledge Transfer:

- Dissemination of the results amongst the key stakeholders: scientific community, end-users and consumers
- Training workshops for governmental, agricultural and industrial end-users
- Education modules and training courses for under- and postgraduate students
- Publications in the scientific press
- Presentations at international conferences
- Open days and workshops for stakeholder organisations
- The new knowledge generated will be widely disseminated contributing to the monitoring and enforcement of food safety at all levels.

## Related Publications/Projects

- Vilariño N., Fonfria E.S., Molgó J., Aráoz R. and Botana L.M. (2009). Detection of Gymnodimine-A and 13-Desmethyl C Spirolide Phycotoxins by Fluorescence Polarization. *Analytical Chemistry*, **81**, 2708-2714.
- Cagide E, Louzao M.C., Espiña B., Vieytes, M.R., Jaen D., Maman L., Yasumoto T. and Botana (2009). Production of Functionally Active Palytoxin-like Compounds by Mediterranean *Ostreopsis cf. siamensis*. *Cellular Physiology Biochemistry*, **23**, 431-440.
- Meimaridou A., Haasnoot W., Noteboom L., Mintzas D., Pulkrabova J., Drabova L., Kalachova K., Hajslova J. and Nielen M. W.F. (2010). Color encoded particle-based flow cytometric immunoassay for Polycyclic Aromatic Hydrocarbons in Food. *Analytica Chimica Acta*, **672** (1-2) 9-14.
- Hedegaard R.V. and Sloth J.J (2010). Heavy metal speciation in feed: why and how? *Biotechnology, Agronomy, Society and Environment*, in press.
- Vermeulen Ph., Fernández Pierna J.A., Dardenne P. and Baeten V. (2010). Detection of ergot bodies in cereals by NIRS and hyperspectral NIR imaging. *NIRS 2009 Proceedings*, in press.

For a full list please visit the website!

Related projects : AQUAMAX