



European Aquaculture
Technology and Innovation Platform

EATiP Activities and Actions

September 2011



EATIP has 3 main objectives

- Establish a strong relationship between aquaculture and the consumer
- Assure European aquaculture as a sustainable industry
- Consolidate the role of aquaculture in society

Initial tasks of EATIP

- Identifying the innovation challenges of the collective interests of European Aquaculture
 - Uses 8 Thematic Areas for this task
- Prepare an over-arching Strategic Research & Innovation Agenda, relative to our Vision for European Aquaculture

Thematic Areas – by subject area

TA1 Quality, Consumer Safety & Health

TA2 Systems & Technology

TA3 Biological Lifecycle

TA4 Sustainable Feeds

TA5 Environment

TA6 Knowledge Management

TA7 Health & Welfare

TA8 Socio-economics & Management

Horizontal topics that cross Thematic Areas

Industry says

« Increase competitiveness!

- **Increase profitability** by
 - Addressing **cost constraints**
 - Reducing **price formation problems**
 - Reducing **administrative burden**
 - Improving **legislative framework**
- **Raise efficiency** by
 - Promoting **technology and innovation actions**
 - Improving **knowledge management**

Each EATIP thematic area has to consider these issues



“Products” of each Thematic Area

- A. Position Paper – Policy & Technology**
- B. Individual Vision Document for ‘European Aquaculture 2030’**
- C. Specific Strategic Research and Innovation Agenda to attain the vision**
- D. Plan of Action – leading to implementation**

Thematic Area 7 Aquatic Animal Health & Welfare



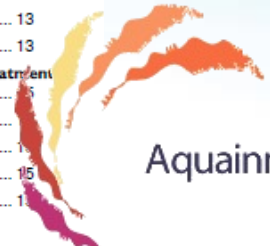
7 of 8 TAs have drafts
ready for consultation on
EATiP website

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Thematic Area 7: Aquatic Animal Health & Welfare

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Aquainnova

KEY GOALS AND SUB-GOALS

GOAL 1: Improve fish health by increasing the understanding of host pathogen interactions and to have access to effective vaccines and immunomodulators

- S.1.1 Improving understanding of host pathogen interactions
- S.1.2 Development of new vaccines & improvement of existing vaccines
- S.1.3 Immunomodulators

GOAL 2: Application of epidemiological principles to minimise the threat of existing, emerging and exotic diseases

- S.2.1 Improve understanding of transmission mechanisms, of pathogens at all levels from farm, through country to Europe wide
- S.2.2 Understand the industry structure (network) and its vulnerabilities to endemic and epidemic diseases
- S.2.3 Development of framework (model) for evaluating the relative importance of health and welfare threats, including bio-economic modelling and risk assessment
- S.2.4 Improve strategic data availability through standardisation
- S.2.5 Turn understanding into strategies through industry, government, academic participation in research and consultation

GOAL 3: Use and develop best practise to optimise efficacy of treatments and prevention methods

- S.3.1 Minimise treatment when possible by using best practice
- S.3.2 Alternate remedies
- S.3.3 Improved licensing system
- S.3.4 Improve application of management measures with emphasis on alternative control measures

GOAL 4: Measure welfare and understand its consequences if compromised in order to incorporate welfare as core component of production management

- S.4.1 Improve existing welfare indices
- S.4.2 Understand and quantify short and long term consequences of compromised welfare, such as reduced growth, reduced feed efficiency, health, treatment effects, product quality etc
- S.4.3 Develop risk and cost benefit analysis systems as tools to incorporate welfare as a major factor in production and legislation decisions





Consultation workshops

- Freshwater (Warsaw – June 2011)
- Coldwater Marine (Oslo- Sep 21-22)
- Mediterranean (Madrid – Nov 16-17)
- Molluscs (early 2012)
- Summary/Presentation (Spring 2012)

- Your chance to have your say!

Achievements & Actions

- Each Thematic Area has provided & continues to develop its ‘products’
 - Open to consultation by EATIP members from March 2011
 - Requires approval by the EATIP Assembly
- Overarching **EATIP Vision Document & SRIA** to be developed from Thematic Area documents
 - Short & concise presentation (printed)
 - Full documents on EATiP website
 - Accompanied by further support materials

Achievements & Actions

- EATIP TA members invited to each WG of DGRTD prospection (e.g. Health, Feeds, Socio-Economics)
 - Integrated into ERA-Net debates
 - Integrated into KBBE discussions and promotion
- Consulted on research priorities
 - Regular presentation of progress within ACFA
 - Cooperation with SCAR & Eureka
 - Active within BECOTEPS (White Paper on Bioeconomy) – cooperation with other Bioeconomy ETPs
- **Increasing contacts with investors** (mainly financiers)
- **Broader perspectives** (Societal challenges) being introduced

Conclusions

- Concern raised as to how real innovation can be generated & put into place
 - Networks of researchers?
 - **Problematic links to industry**
 - Mirror Platforms?
 - **Needed to create and consolidate local/national efforts**
 - Competitiveness clusters?
 - **Could provide a solid base for demonstration and support activities**
- New networks are needed = EATIP position
 - **Multi-stakeholder interest – with clear and attainable targets**
 - **Measurable responsibilities – towards the industry**

Conclusions

- Development has been slow but sure
 - Has allowed a clear focus to develop
 - Through a stable structure
 - With defined purpose and ‘products’
- Confidence (multi-stakeholder contributions) in EATIP’s products gives credibility and influence
 - **Higher chance of getting priority RTD funded**
- Improved likelihood of real innovation for the industry within 5-10 years
- EATIP will develop further and broaden its actions so as to promote the research needed and genuine innovation

Interesting times....

- Policies are moving in favour of aquaculture
 - Europe 2020
 - CFP, COM, EFF (EAF?)
 - Aquaculture in Bioeconomy within Horizon 2020
- Improving governance throughout ‘aquaculture’
 - European Advisory Council on aquaculture
- ‘Redefining’ position and contributions of ETPs
 - Move from think-tank to facilitator
 - Consider wider issues
 - Link/cluster with other Bioeconomy ETPs
 - Promote multidisciplinary approaches



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