



# REPROSEED end-user workshop perspectives

Brest, 28-28<sup>th</sup> October 2013

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# REPROSEED applied results?

- **REPROSEED objectives :**
  - To inform the marine mollusks hatchery sector on the main applied results
  - Initiate discussion between R&D organizations and Europeans hatchery managers to identify future research needs related to the hatchery sector
- **Main REPROSED achievements about interactions between R&D and hatchery sector?**
  - Enquery
  - Updated hatchery list (38 hatcheries)
  - End Users REPROSEED workshop (Brest 28-29<sup>th</sup> October 2013)
    - 17 hatchery representatives, 14 companies (F, NL, DK, Ir, UK, N)
    - R&D presentations
    - Technical visits
    - Informal meeting and social event

# And then?

- EU responsibility to financially support innovative R&D
- How to define EU priorities to be supported?
  - Initially driven by scientists and Governments
  - Need to take into account and to balance between research organization demands and economical and social demands
- Important lobbying activity to define research priority and attract EU financial supports by each economical sector ⇒ Competition
  - How to perform efficient lobbying at the best cost/efficient ratio?
  - Who have to do it?
    - Researchers?
    - Farmers?
    - Politicians?
    - Professional bodies?
    - Citizens?
- How to organize efficiently the demand and the analysis?



# Technological Platforms

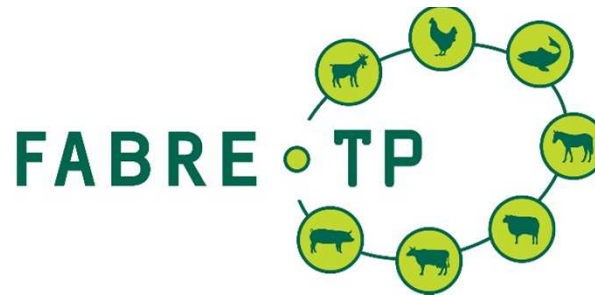
- **Stakeholders associations** in key economic sectors: research facilities, national and regional government agencies, financial institutions, user groups, regulating authorities, policy-makers and Non-Profit-Organisations.
- **Industry acts as the driving force**
- **Objectives**
  - **Developing a long term vision** of the sector (a possible, positive, future scenario reflecting the ideals, values and the aspirations of the stakeholders)
  - **Developing a strategic research agenda** (a dynamic strategy to achieve the vision and meet the innovation challenges)
  - **Implementing the SRA** through the development of a **Plan of Action (PoA)** describing the research, training, education and dissemination requirements needed to fulfil the vision.

# BECOTEPS Bio-Economy TP

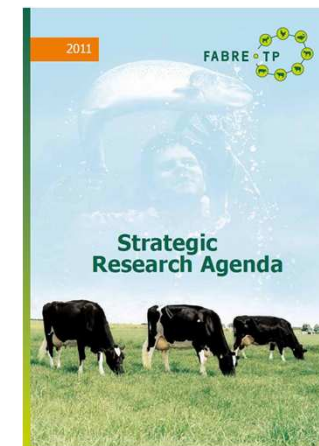




- Aquaculture stakeholder
  - Commercial Companies (12)
  - Research Community (30),
  - Organizations (FEAP, COPA-COGECA, CIPA, FEFAC, EMPA, IUCN..)
  - Observers
- Secretary: FEAP
- Strategic Research Agenda
  - Product quality, Consumer Safety & Health
  - Technology & Systems
  - Managing the Biological Lifecycle
  - Sustainable Feed Production
  - Integration with the Environment
  - Knowledge Management
  - Aquatic Animal Health & Welfare
  - Socio-economics, Management & Governance



- **Sustainable Farm Animal Breeding & Reproduction TP**
- **Aim:** to support stakeholder partnership led by industry to tackle major issues concerning sustainable animal breeding and reproduction in Europe
- **116 Animal breeding stakeholders** (NOFIMA, Wageningen, INRA, SYSAAF, Marine Harvest)
- **Secretary:** EFFAB (European Forum for Farm Animal Breeders)
- **Strategic Research Agenda :**
  - By productions
  - Food quality and safety
  - Genomics and Genetics
  - Reproduction
  - Robustness
  - Adaptation to climate change

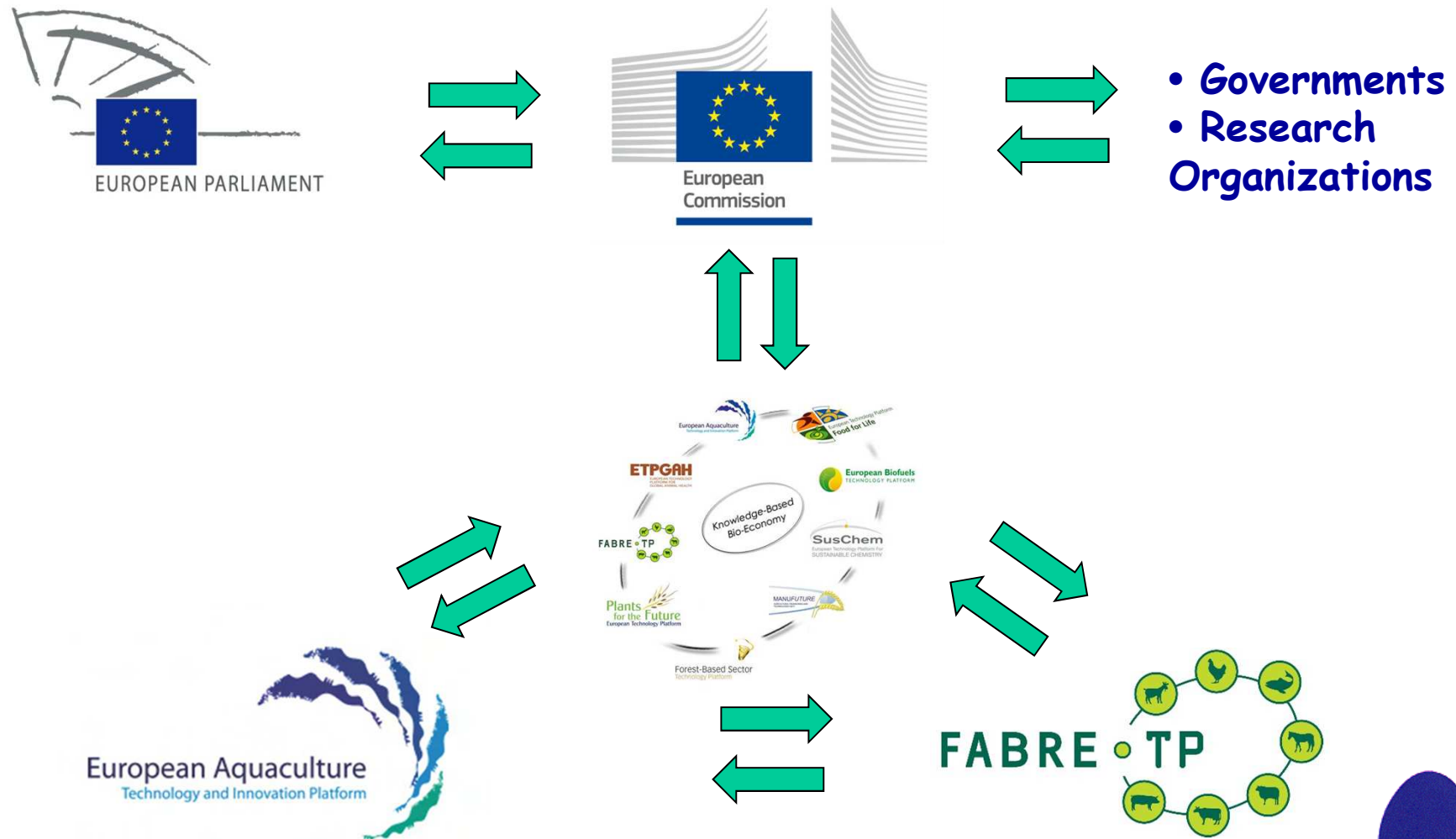


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# How is organized lobbying in aquaculture and animal breeding?





# What to do now to continue after Reproseed?

- **To do what?**
  - Applied R&D (ex CRAFT or Capacities)?
  - Partnership with R&D organization in more fundamental projects?
  - Lobbying at European level? EATIP? FABRE? Who does it ?
- **How?**
  - Association of hatcheries ?
  - Informal network based on national research organisations?



# List of research priorities established during the workshop

- **Demonstration project**

- Probiotic
- RAS
- Hatchery superiority of flat oyster spat
- Development of SNP technology to assess genetic variability and trace parentage in most European mollusk species

- **Innovation project**

- Standardization of rearing procedures, range of possible
- Application of probiotic
- Optimization of water quality treatments (disinfection, toxins), new methods to assess quality,
- Alternative strategies to anti-biotherapy
- Health control procedures adapted to each species.
- Tool development to characterize broodstock quality
- Mass micro-algae production. Increase algae strain number (testing...). Only 20 species. Culture methods. Design of new photo-bioreactor for more adapted mollusk larvae. Algae that could grow in harsh condition (out door, high salinity). Heterotrophic algae
- Partial replacement of phytoplankton by other feed types (zooplankton)
- New species diversification (market, adaptation to consumers, biological ability, processing...) : cockles, razor clam....
- Hatchery practices for emerging local species with limited hatchery productions (mussels, European clam, Pectinids...)

- **Reopened Forum on the website**

