



# REPROSEED end-user workshop

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

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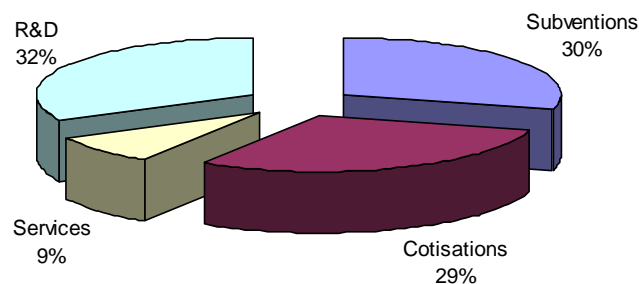
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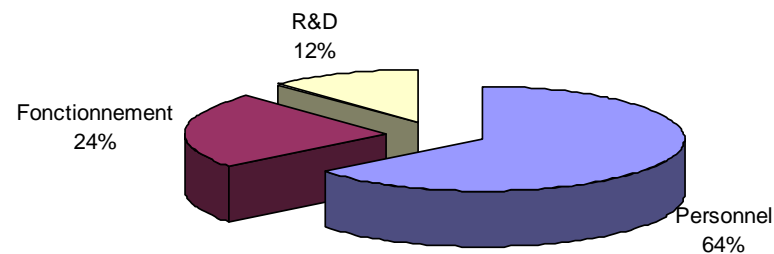
# SYSAAF in 2012

- Specialized Technical Center
- 42 companies or organizations involved in poultry or aquaculture selection or in ecological restoration
- Technical advising : 23 species et 120 lines
- Activity delegation from ITAVI (Law on animal farming 2007)
- Member of the National Commission for Genetic Improvement (CNAG)
- 2 sites : INRA Nouzilly (poultry) and Rennes (aquaculture)
- Budget : 991 KEuros (2011)

## Income



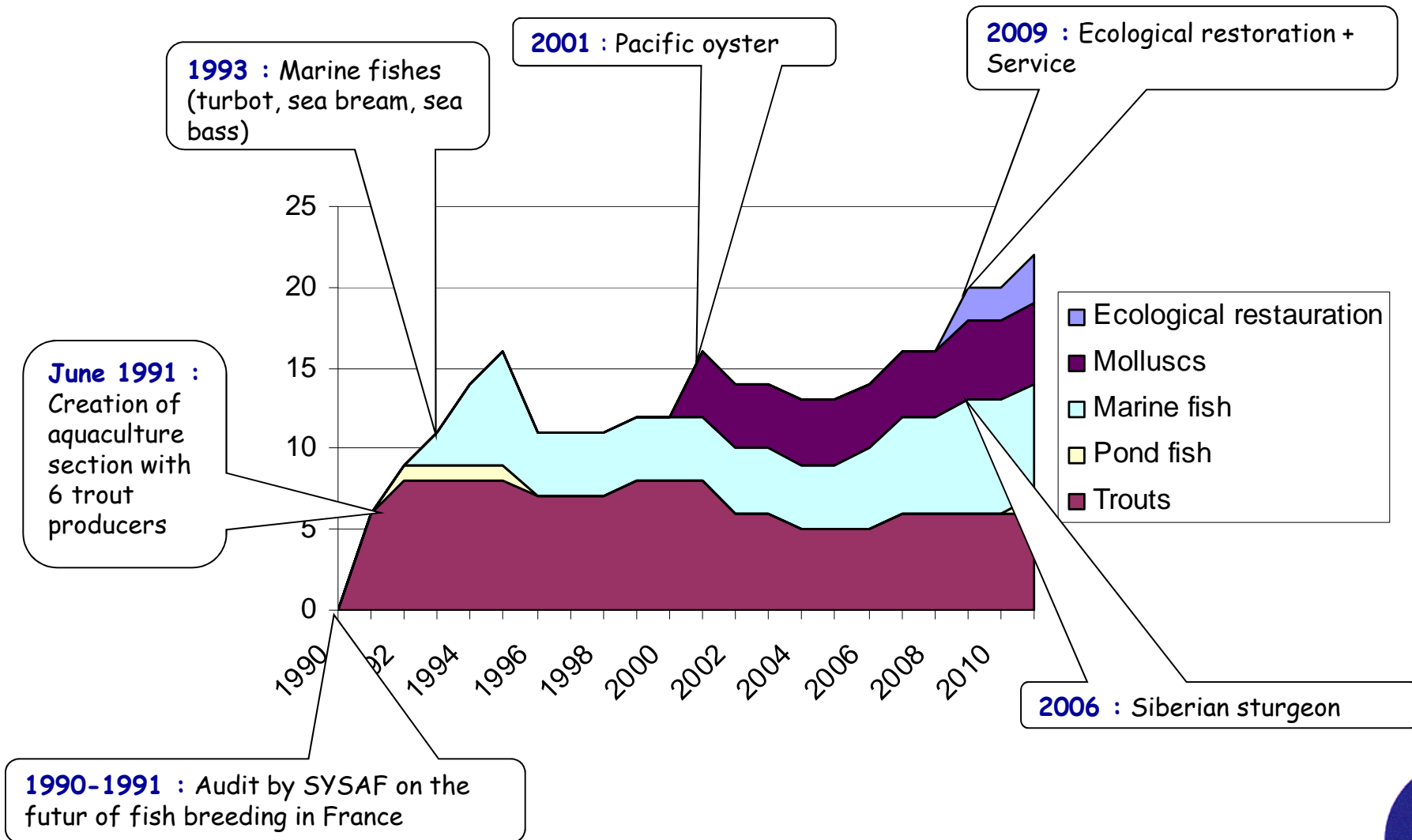
## Outcome



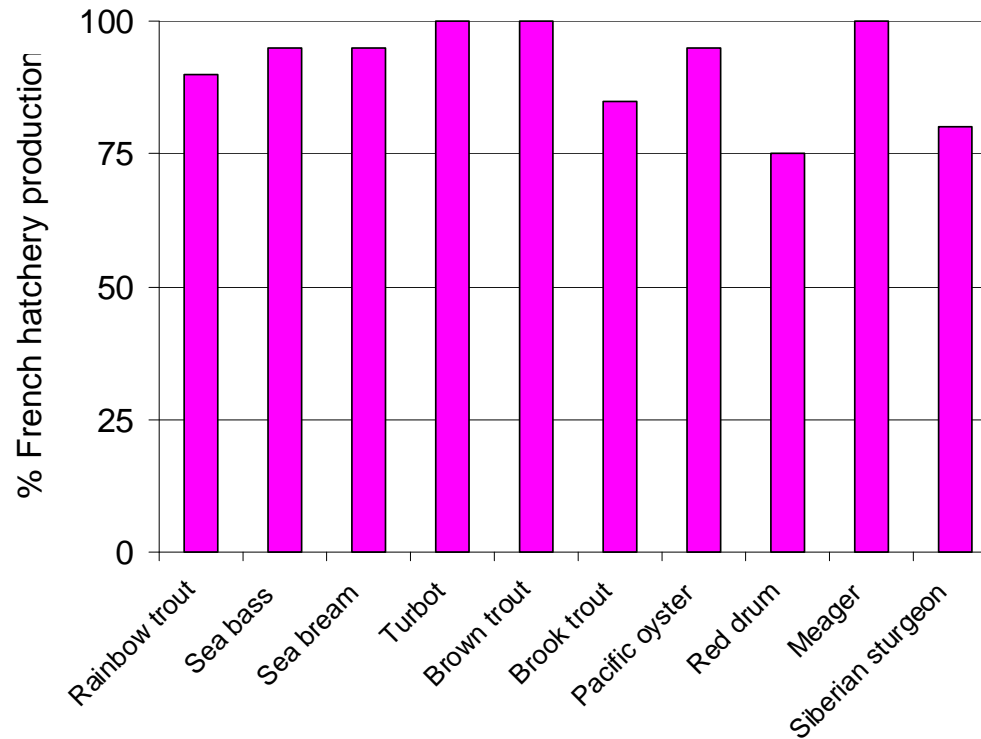
# SYSAAF services

- **Design of breeding program and genetic data treatment**
- **SYSAAF human resources**
  - 10 geneticists and biologists, 1 veterinarian
  - Agreement with INRA department of animal genetics
  -
- **SYSAAF genetic tools**
  - DataBase systems for data collection and data storage
  - Genetic Data Center holding mirror databases of breeding companies
  - Genetic softwares
  - Cryobanks (agreement with URCEO)
  - Genotyping laboratory (share holder of LABOGENA)
- **SYSAAF know-how**
  - Quantitative genetic for multitrait breeding evaluation
  - Management of inbreeding
  - Reproductive biotechnologies

# A short story of aquaculture in SYSAAF...



# 75 à 100 % des juvéniles des écloseries françaises



M I G A D O  
Migoteurs Garonne Dordogne



SYSAAF

Ecloserie de Guyenne, EMG, Esturgeonnière, FMD, France Turbot, Poissons du Soleil, Aquamay, Font Rome Pisciculture, Aquaculteurs Bretons, Aquaculteurs Landais, Pisciculture des Fontaines, Viviers de France, Lucas Perche

Grainocéan, SATMAR, SODABO, Vendée Naissain, SFC

FDAPPMA 06, CNSS Chanteuge, MIGADO, FDAPPMA 29

Syndicat des Sélectionneurs Avicoles et Aquacoles Français

# End users workshop

- **Public targeted :**
  - **European mollusk hatchery managers and technicians (15-20 participants)**
  - **1 representative per company if too many participants**
- **Organised before EMEAP/workshop on good practices in hatcheries (30/10/2013)**
- **Objectives :**
  - **Transfer the main applied results of the EU REPROSEED research project on the marine molluscs hatchery sector**
  - **Initiate discussion between R&D organizations and Europeans hatchery managers to identify future research needs related to the hatchery sector**

# End users workshop

- **Local organising committee:** JL. Nicolas (IFREMER, F), P. Haffray (SYSAAF, F), P. Boudry (IFREMER, F), R. Robert (IFREMER, F)
- **Scientific organising comitee:** JL Nicolas (IFREMER, F), A. Letao (IPIMAR, P), P. Sourdain (Caen University, F), P. Kalerman (IMARES, NL), J. Romalde (USC, Sp), L. Bargeloni (Padova University, I), R. Robert (IFREMER, F)
- **Registration (June 2013)**
- **Participation fees: 150 Euros to be paid directly at the begining of the workshop**

# End users workshop

- **REPROSEED** research partners will give an overview of the main results achieved in the project that could potentially impact and improve hatchery practices
- 10 oral presentations (20' + 10' discussion) will cover improvements or the more recent advances in reproduction mastering, hygienic control, management of genetic variability of hatchery stocks, broodstock conditioning, algal production, larvae culture metamorphosis, genomic
- Visit from the IFREMER research hatcheries will provide opportunity for direct and in-situ information and discussions
- A final round table will provide opportunity to discuss and identify research and potential future opportunity for collaborations.



# End users workshop - Monday 28th

## 9h: Reception of the participants

### 9h30: Introduction to the workshop

- Welcome by Antoine Dosdat (Director of Ifremer Brest Center, F)
- Reproseed presentation (Jean-Louis Nicolas; Reproseed coordinator; IFREMER, F)
- Workshop organization (Pierrick Haffray; SYSAAF, F)

### 10 h: Oral presentations

- Factors involved in sex differentiation in European farmed molluscs (Anne-Sophie Martinez; Caen University, F)
- Advances in broodstock conditioning, spawning induction and gamete quality in Pacific oyster, European clam and scallop (Marc Suquet; IFREMER, F)
- Advances in larval rearing in Flow through and RAS in European farmed molluscs (René Robert; IFREMER, F)
- Advances in post larvae rearing in RAS in European farmed molluscs (Pauline Kamermans; IMARES, NL)

### 12 h: Lunch

# End users workshop - Monday 28th

## 14 h: Oral presentations

- Factors involved in the control of settlement in mussel, European clam and scallop (Johnathan King; Bangor University, UK)
- Bacterial biodiversity, prophylaxis and sanitary control (Jean-Louis Nicolas; IFREMER, F)
- Advance in algal production (René Robert; IFREMER, F)
- Molecular genetic tools for management of inbreeding, domestication and selection (Pierre Boudry; IFREMER, F)

## 15h20 : Coffee Break

- Advance in functional genomic and potential applications (Massimo Milan; Padova University, I)
- Enquiry on the European molluscs hatchery sector (Pierrick Haffray; SYSAAF, F)

## 17 h 30: End of the session

## 20 h: Dinner at the Oceanopolis Marine park

# End users workshop - Tuesday 29th

- **9 h: Technical visits**
  - Transfer by bus
  - Visit of the IFREMER hatchery in Argenton
  - Visit of the IFREMER research laboratories and facilities
- **13h: Lunch**
- **14h30:** Opportunity for applied EU projects to speed up technology transfer of Reproseed results to end-users (Caroline Gernez; IFREMER, F)
- **15h30: Coffee break**
- **16 h: Round table:** A European technical network for Research needs of mollusc hatchery?



# Practical aspects

- **Pierrick's mobile: 33 6 66 86 08 55**
- **Departure at 8.10 am from the IBIS Hotel to IFREMER (28 and 29th)**
- **ppt presentations will be printed and put on the Reproseed website**
- **Don't forget to ask for a receipt for registration fees**
- **Lunch at IFREMER self service. Paid by individuals. Coffee**
- **Meeting at 19h30 at the IBIS Hotel to organise the travel to Océanopolis**
  - Visit of the Temperate and the Polar pavillons with English speaking guide
  - Diner in the Temperate Pavillon
  - End at 22 h



Thank you very much !



Trugarez !