



Knowledge transfer workshops - Atlantic halibut
Hjelmeland, 11-12 September 2018

DIVERSIFY-Exploring the biological and socioeconomic potential of new/emerging fish species for the expansion of the European aquaculture industry



Co-funded by the Seventh
Framework Programme
of the European Union



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37 partners:

20 Research/Universities
9 Small Medium Enterprises
2 Large companies
5 Professional associations
1 NGO



**- Enhancing the EU aquaculture through
species diversification**

2013-2018
11,8 million €

Problem with Mediterranean species



- Small (plate size), difficult to prepare, w/bones
- Consumers prefer fillets, steaks, ready-to-cook
- Growing fish larger is limited / inefficient (>3 y!)



Choice of new/emerging species



greater amberjack



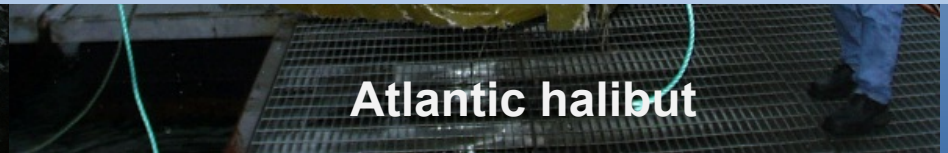
Pikeperch (fw, RAS)



grey mullet
(omnivorous, euryhaline)



Atlantic halibut



Bottlenecks of the six species



- **meagre** (*limited genetic variation, nutrition, health*)



- **greater amberjack** (*reproduction, juvenile production, parasites*)



- **wreckfish** (*broostock availability, reproduction, juvenile production*)



- **Atlantic halibut** (*reproduction, juvenile production, health*)



- **grey mullet** (*reproduction, larval rearing, nutrition*)



- **pikeperch** (*juvenile production*)



Socioeconomics bottlenecks

- perception of aquaculture products
- market demand, buyer preferences
- new product development, value adding
- market development



Meagre

-results



- Genetic characterization of existing broodstocks in Europe, genetic linkage map and QTL analysis
- Development of methods for selective breeding (*in vitro* fertilization, paired spawning)
- Feeding behaviour to improve grow-out in cages
- Systemic granulomatosis and its relation to nutrition, immune system characterization



Greater amberjack

-results



- Development of broodstock management and spawning induction methods, first spawning of F1 stocks
- Larval rearing methods and production of juveniles
- First commercial on growing trials in sea cages
- Health management (parasites) and immune system characterization

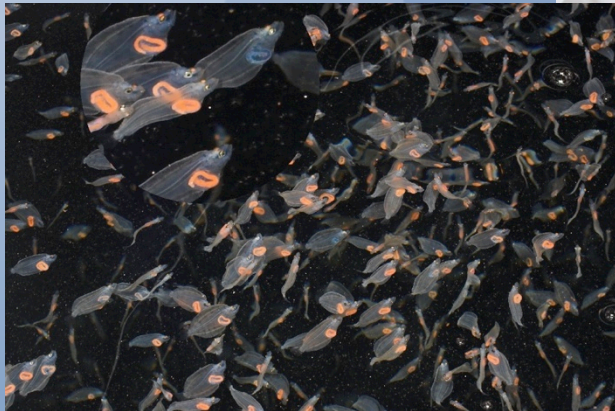


Atlantic halibut

-objectives



- Optimize ovulation kinetics and stripping
- Larval rearing using ongrown *Artemia*, early weaning and improvement of juvenile quality
- Production of VNN capsid protein for vaccine development



Socioeconomics

-results

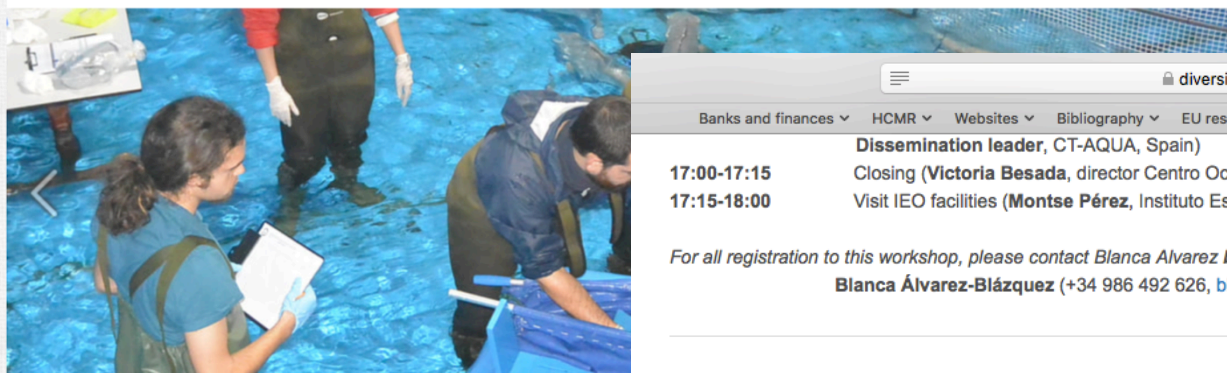
- Identification of consumer segments for the candidate fish species
- Organoleptic characterization
- Production of ideas and value-added products, and testing them with consumers
- On line supermarket trials



Dissemination - www.diversifyfish.eu



NEWS ABOUT DIVERSIFY SCIENTIFIC ARTICLES DISSEMINATION INTRA
SPECIES WORKSHOPS MEETINGS & ACTIVITIES



diversifyfish.eu

Banks and finances ▾ HCMR ▾ Websites ▾ Bibliography ▾ EU research ▾ traveling ▾ KIds stuff ▾ Home - Dropbox Google Translate

Dissemination leader, CT-AQUA, Spain)
17:00-17:15 Closing (**Victoria Besada**, director Centro Oceanográfico de Vigo, Instituto Español de Oceanografía, Spain)
17:15-18:00 Visit IEO facilities (**Montse Pérez**, Instituto Español de Oceanografía, Vigo, Spain)

*For all registration to this workshop, please contact Blanca Alvarez **before June 30th, 2018**, or fill up the registration form below.*
Blanca Álvarez-Blázquez (+34 986 492 626, blanca.alvarez@ieo.es)



WRECKFISH

THURSD

INSTITUTO ESF



wreckfish_manual_20180716_final.pdf
[Download File](#)

The wreckfish (*Polyprion americanus*) is found in shallow water almost throughout the world. It has a long life span, late reproductive maturation, high market value added products, and its cost-effective rearing protocols are considered model for other species. This species justifies allocation of public knowledge and its practical application in the market for a variety of sustainable fisheries.

Access to

- Presentations from all annual meetings
- Scientific articles
- Technical Manuals (species specific)
- Presentations from this workshop



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