



**European Aquaculture**  
Technology and Innovation Platform

V4 Freshwater Aquaculture Conference  
Alexandra Neyts  
[www.eatip.eu](http://www.eatip.eu)

# Goals of Technology Platforms



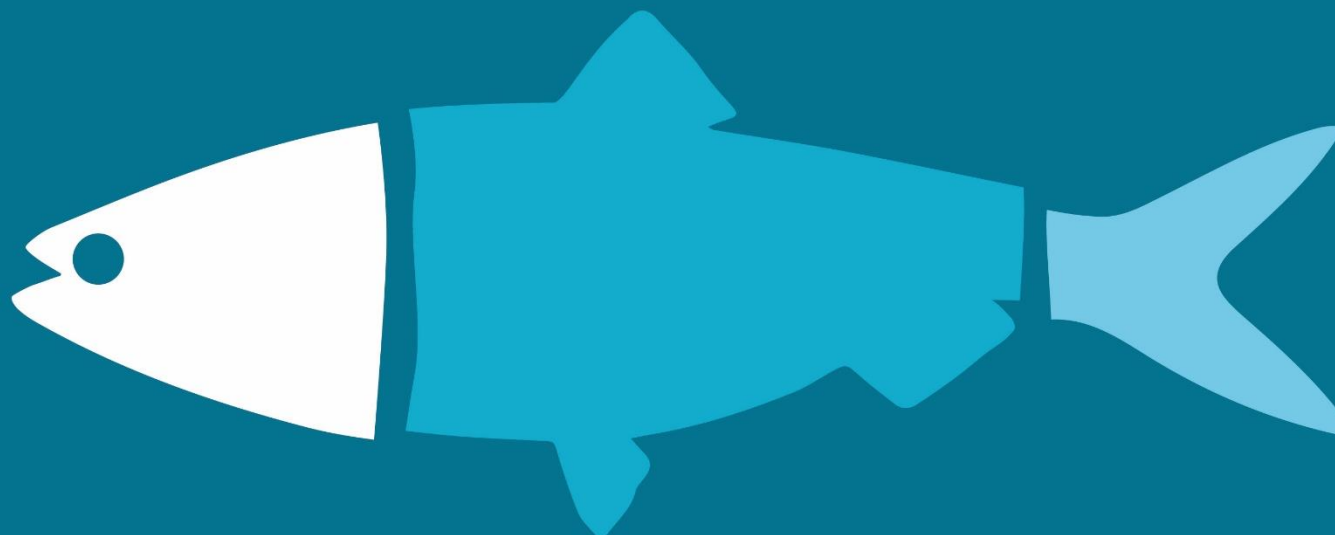
- Industry-led research, technology and innovation framework
- Research funding on areas of industrial relevance
- Covering the whole economic value chain
- Mobilisation at European, national and regional levels
- Addresses challenges essential for Europe's future competitiveness



# EU Fish Consumption: ca. 12 million tons



TOGETHER  
FOR CONSCIOUS  
SEAFOOD  
CONSUMPTION



**31%**

3.2 mio. tons  
from developing countries  
China, Peru, Vietnam ...

**48%**

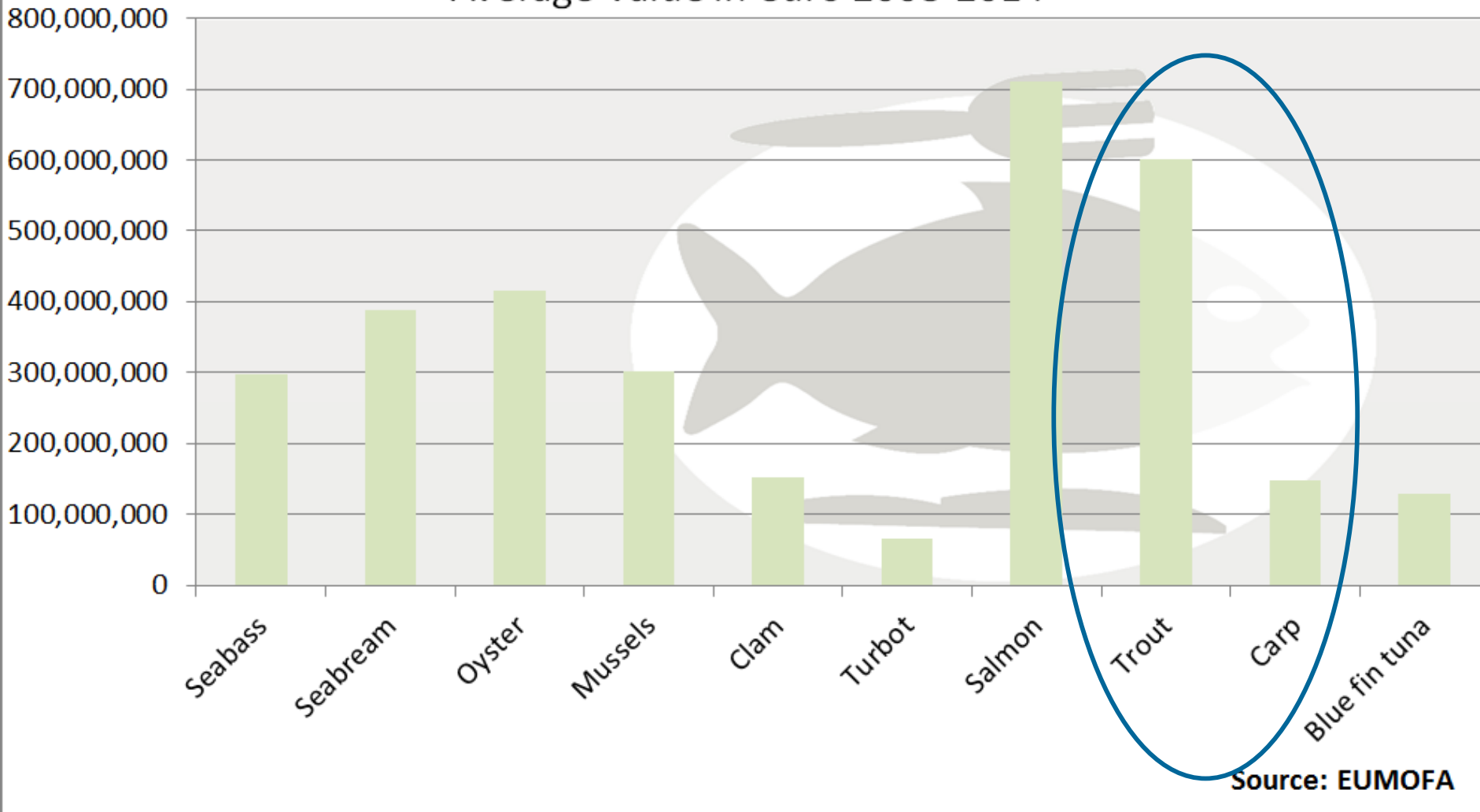
5.8 mio. tons  
EU production

**21%**

2.5 mio. tons  
from developed countries  
Norway, USA, Iceland ...

# Main aquaculture species in EU countries

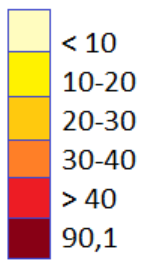
Average value in euro 2008-2014



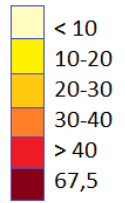
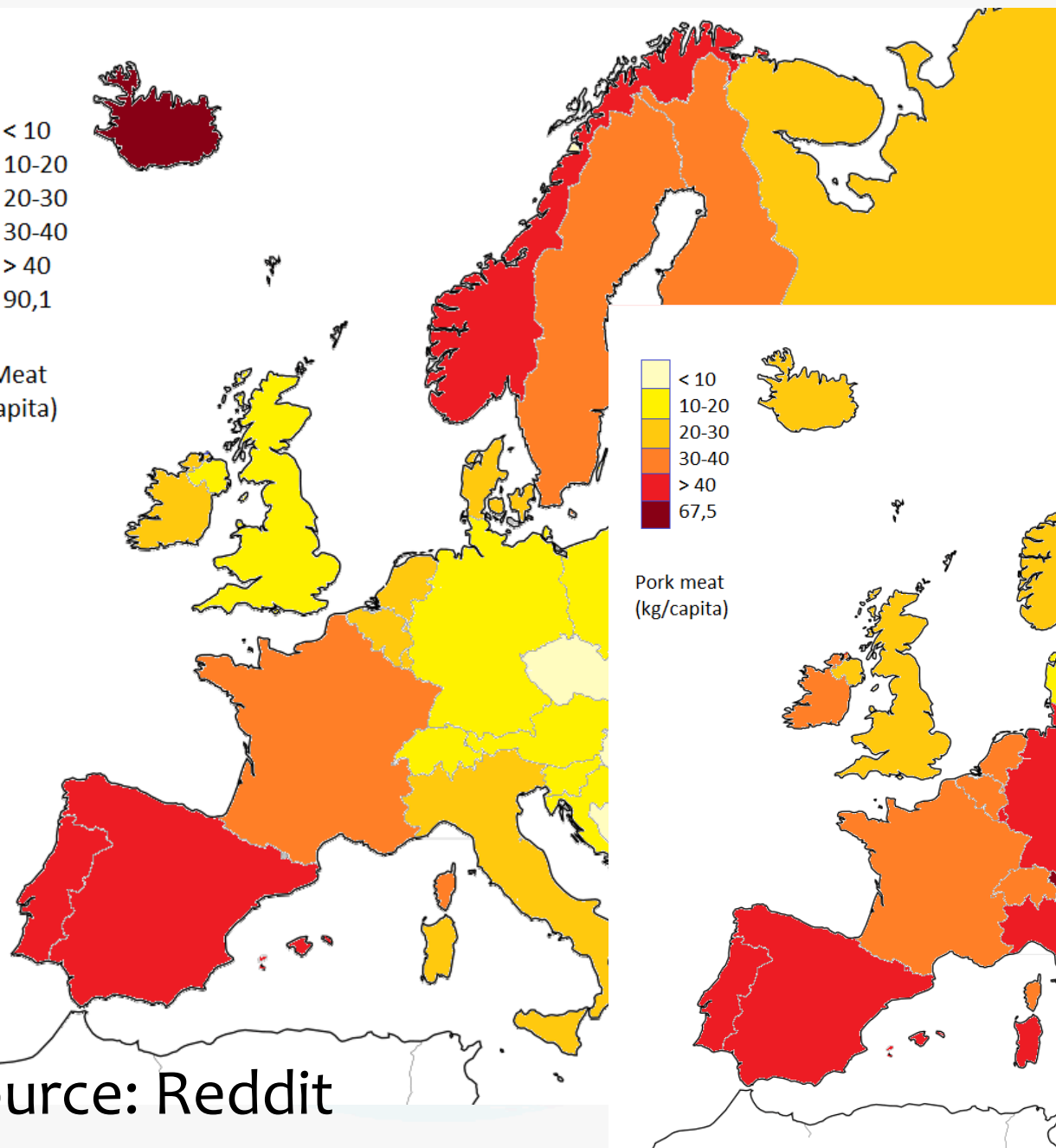
Source: EUMOFA



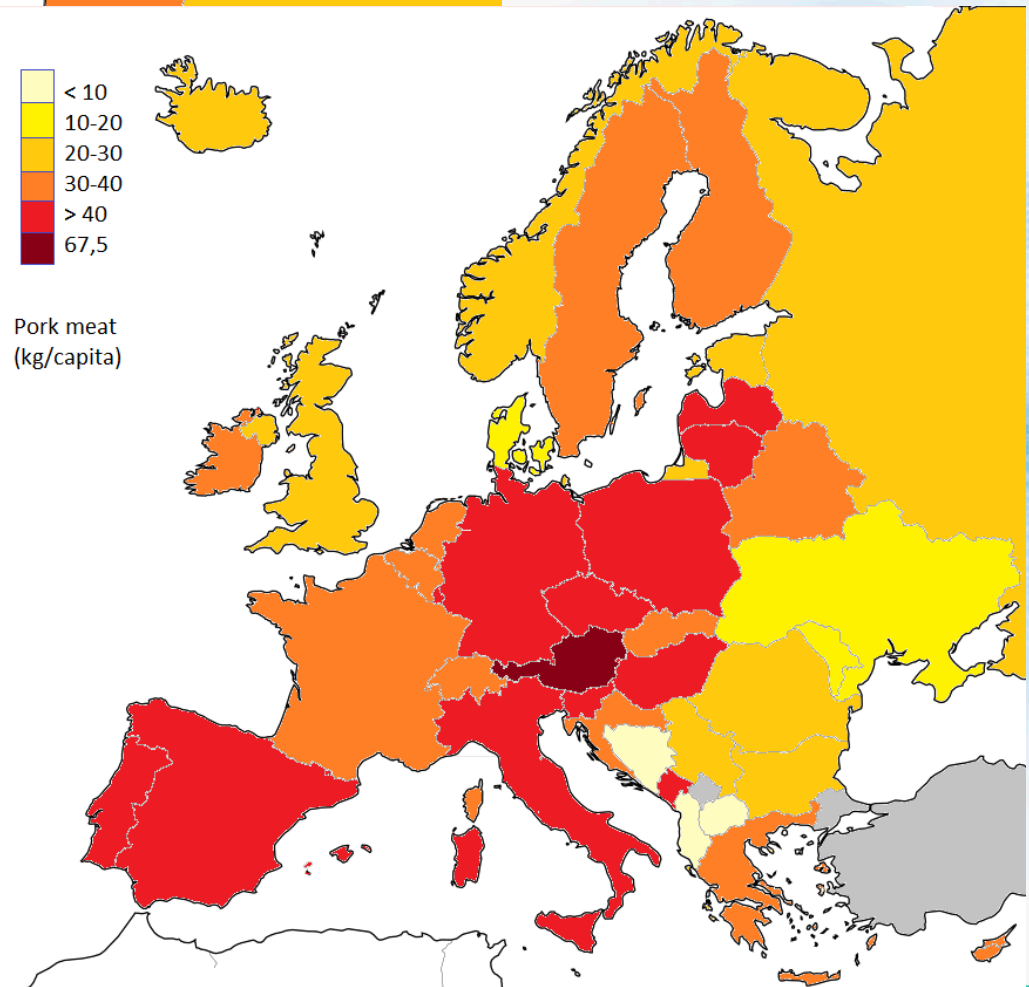
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Fish Meat  
(kg/capita)



Pork meat  
(kg/capita)



Source: Reddit

# EATiP Vision - 2030

- sustainable
- globally competitive
- high quality and nutritious food
- new products and integrated services
- better control and understanding
- 2 -> 4,5 million tons
- € 14 billion supporting more than 150,000 direct jobs.



# Debate – Decision - Involvement

## Aquaculture & the Consumer

Product Quality,  
Consumer  
Safety & Health

Sustainable  
Feed Production

### Assuring a Sustainable Industry

Technology &  
Systems

Managing the  
Biological Life  
Cycle

Aquatic Animal  
Health & Welfare

### Aquaculture in Society

Integration with  
the Environment

Knowledge  
Management

Socio-Economics,  
Management &  
Governance

# Partnership



NCE AQUATECH CLUS

HUNATIP



Norwegian Centres of Expertise  
NCE Seafood  
Innovation Cluster

AKVA GROUP



Akvaforsk  
Genetics



AQUATT



DTU



NTNU



NORD  
University

erman ta zabal 2020



DHI



nutreco



Ferre (Vetvet)



KEELONIA



UNIVERSITY OF TROMSØ



UNIVERSITY OF STAVANGER



UNIVERSITY OF TROMSØ



UNIVERSITÀ DEGLI STUDI DI UDINE

Universities



INVE



marine harvest



Nesne



nouvelles vagues



Logo

Songloos4Aquaculture



sparos

Companies



APROMAR



CIPA

copa\*cogeca



A.E.P.M. - E.M.P.A.



eas

azti



ceva



ciimar



ECOQUA



hcmr



Eurofish



FEAP



FEFAC



OESA



vissen bescherming

Organisations



Luke



Marine Institute



Nofima



Veterinærinstituttet



SINTEF

Research Institutions



EBCD



IUCN



OESA

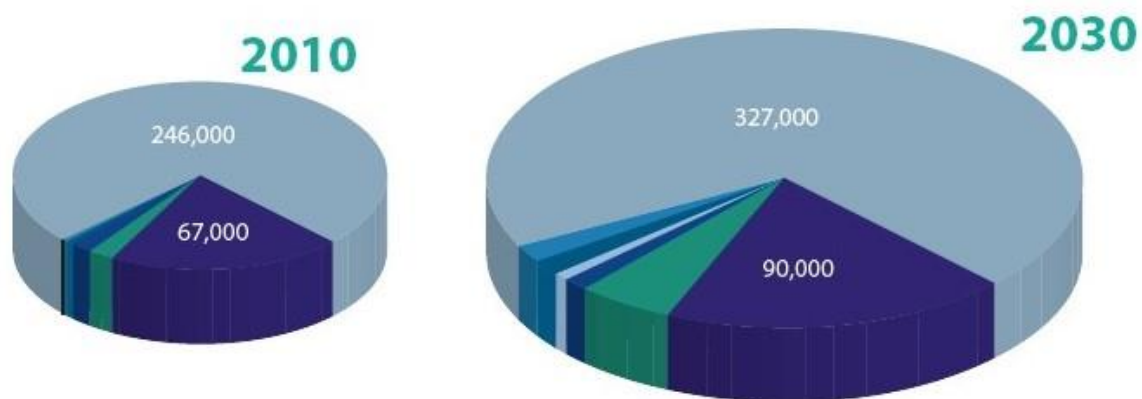
NGOs



vissen bescherming



# Vision 2030 - Freshwater



**Total Increase tons** 136,000 41%

**Total Increase M€** 337 39%

## Challenges

-  Identify advantages of freshwater aquaculture
-  Complex legislation hindering development
-  Define clear targets for lesser-known species
-  Integrate RAS better and improved use of outputs
-  Raise productivity of traditional farms
-  Better recognition of contributions to society

## Action Plan

- Encourage diversification and integration
- Increase competitiveness and maintain highest product quality
- Promote innovation for sustainability
- Improve responses to predators
- Improve market understanding
- Define environmental services
- Focus on local economies
- Establish a genetic bank of native populations

## Effects

- Production will grow to 480,000 tons of fish



- Moderate growth for established species  
€1.4 billion, increasing €0.5 billion ex-farm value



- 7,000 more jobs, highest rise to occur in processing



- 30,000 hectares of space needed for expansion, mainly for extensive production



- Hatcheries to supply over 1.3 billion juvenile fish



- Overall feed requirement up by 80,000 tons



- Active diversification within the sector



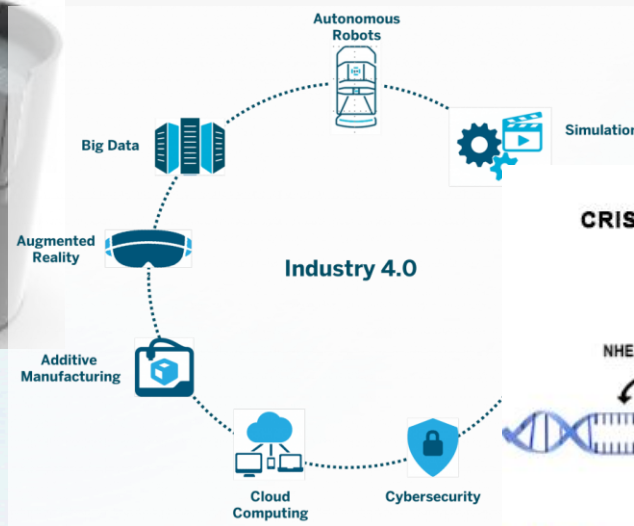
# Trends



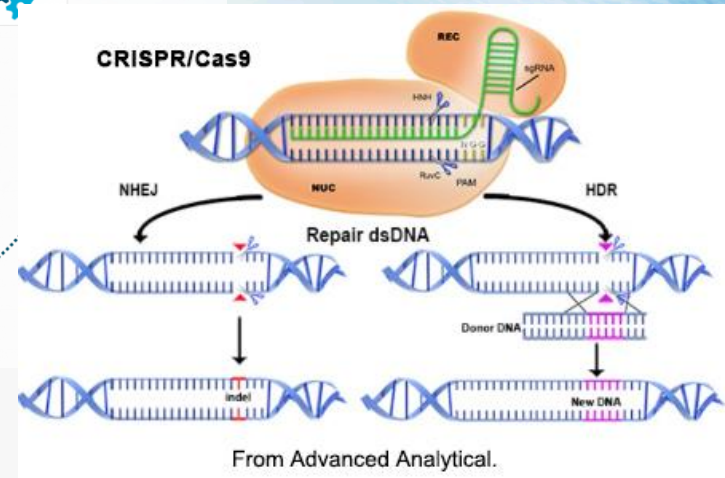
UN Sustainability goals



Photo AkvaGroup



## SKILLS!

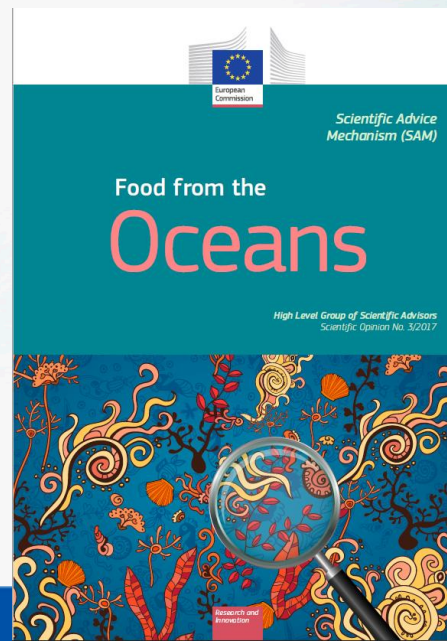


# Involvement in EU-led RTDI policies

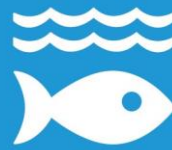


EATiP recommended focus areas:

1. Social licences
2. High performance farming in aquaculture
3. Circularity and resource efficiency
4. Identify gaps and disseminate aquaculture research results



14 LIFE  
BELOW WATER



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Technology and Innovation Platform



2 ZERO  
HUNGER



3 GOOD HEALTH  
AND WELL-BEING



8 DECENT WORK AND  
ECONOMIC GROWTH



12 RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION



13 CLIMATE  
ACTION



## Secure the production of healthy food at a near-zero environmental impact level

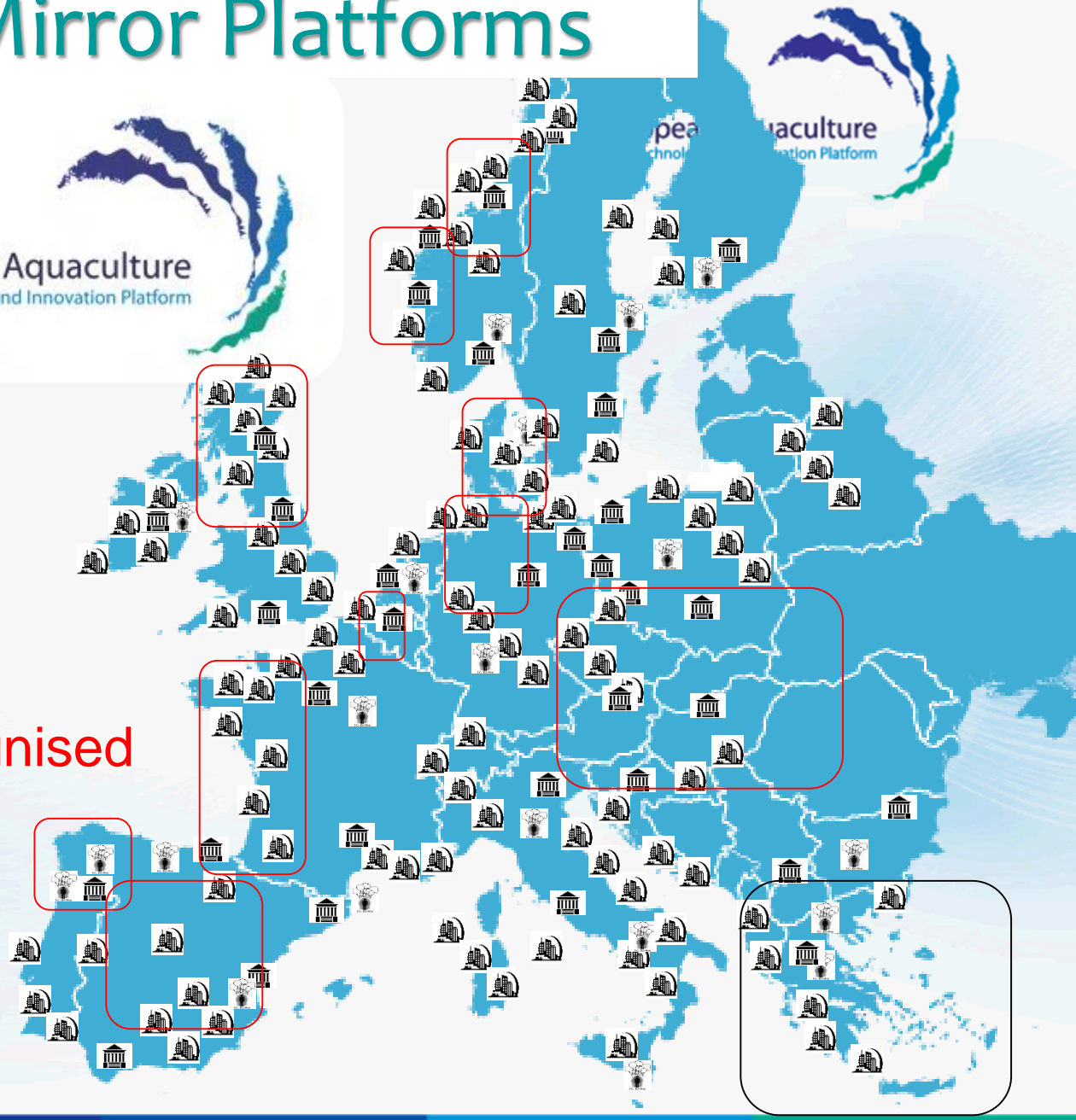
- Improving production performances
- Reducing the impact on the environment
- Raising skills
- Harmonising regulations
- Marine spatial planning
- Social licenses to grow

# EATiP Mirror Platforms



European Aquaculture  
Technology and Innovation Platform

Formally recognised  
MiPs

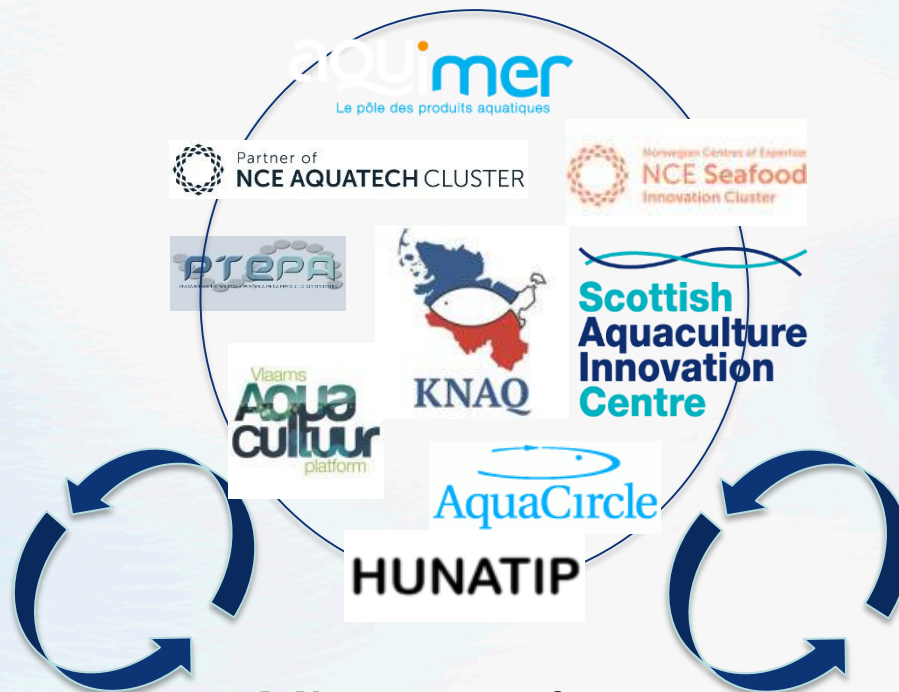


# STRATEGY



2017

# MOBILISATION



Mirror platforms  
Members

# COMMUNICATION



# Visit us!



- EATiP Annual General Meeting
- 11-12 June, Brussels
- <http://eatip.eu/?p=1985>
- Aqua2018 – EU/EATiP day
- 27 August, Montpellier
- <https://www.was.org/meetings/default.aspx?code=aqua18>





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## WHAT'S EATIP?

EATIP is a recognised European Technology Platform dedicated to develop, support and promote technology and innovation in the aquaculture sector.

[LEARN MORE](#)

### THE VISION

The Vision of the European aquaculture industry is, by the year 2030, to provide annually 4.5 million tons of sustainable food products, worth € 14 billion, and supporting more than 150,000 direct jobs.

### EATIP MEMBERS

Companies, Institutions, Universities, Associations, Federations, Organisations & Observers with a declared and professional interest in the sustainable development of European aquaculture.

### PROJECTS

EATIP plays a role in several European projects (Supporting Actions) that are looking to improve consultation and direction for development, particularly on aquaculture.