

# Genetics in support of fisheries and aquaculture management

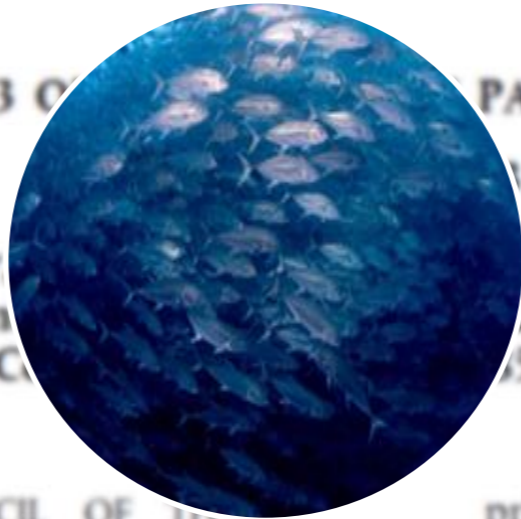
17-19 September  
Faro, Portugal



# Governance and Policy Drivers

## REGULATION (EU) No 1380/2013 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

on the Common Fisheries Policy, amending Regulation (EC) No 1954/2003 and (EC) No 1224/2009 and repealing Council Regulation (EC) No 2371/2002 and (EC) No 639/2004 and Commission Regulation (EC) No 1185/2005



THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE EUROPEAN UNION,

primary responsibility of the flag State, bearing in mind the provisions of Article 117 of the United Nations Convention on the Law of the Sea of 10 December 1982 <sup>(5)</sup> (UNCLOS),

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 43 thereof,

(3) Reforms should have a significant impact on fisheries and Member States should, therefore, be encouraged to act in a manner that is consistent with the objectives of the CFP.

Having regard to the proposal from the Commission,

After transmission of the draft Regulation to the national parliaments,

(4) The CFP should ensure that fishing and aquaculture activities contribute to long-term environmental, economic, and social sustainability. It should include rules that aim to ensure the traceability, security and

Having regard to the opinion of the European Economic and



# Fisheries is NOT Agriculture



# Governance and Policy Drivers

- **Introduction to Policy Drivers**
- **The Policy Cycle**
- **The Common Fisheries Policy as an example**
  - A green paper
  - Citizen and stakeholder engagement
  - Proposal and adoption
  - Content
- *Quo vadis?*
- **International examples**

# What or Who Drives Policy?



**A Union that strives for more**

**My agenda for Europe**

*By candidate for President of the European Commission*

**Ursula von der Leyen**



**POLITICAL GUIDELINES FOR THE NEXT  
EUROPEAN COMMISSION 2019-2024**

# The Sustainable Development Goals

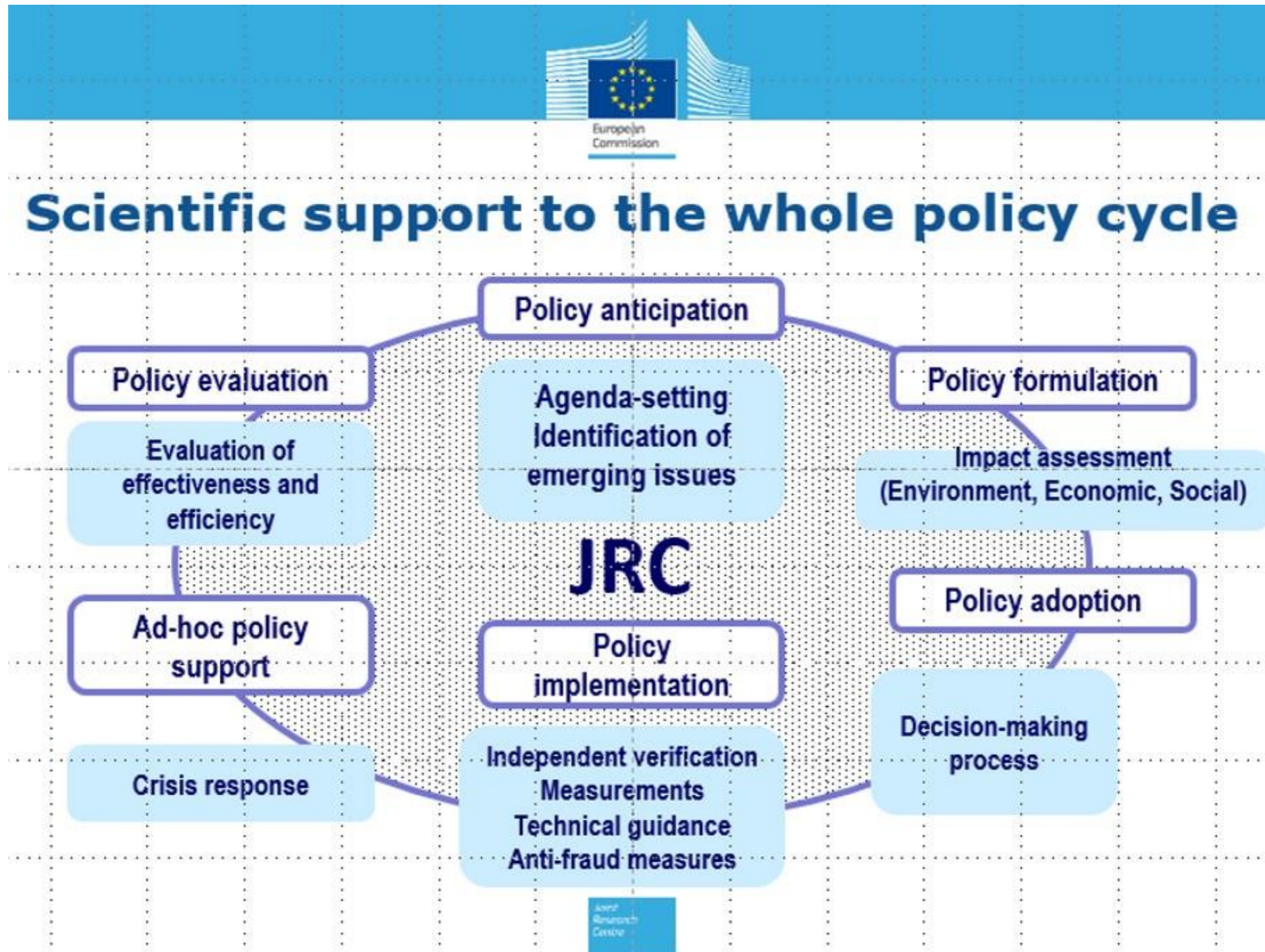
## Environmental sustainability for the Sustainable Development Goals in the 2030 Agenda



# What or Who Drives Policy?



# And what is driven actually?





# The Common Fisheries Policy

- **first introduced in the 1970s**
- **set of rules for managing European fishing fleets and for conserving fish stocks.**
- **designed to manage a common resource**
- **gives all European fishing fleets equal access to EU waters and fishing grounds**
- **allows fishermen to compete fairly.**
- **ensures the European fishing industry is sustainable**
- **ensures fish population size**
- **ensures productivity over the long term.**
- **most recent reform took effect on 1 January 2014.**



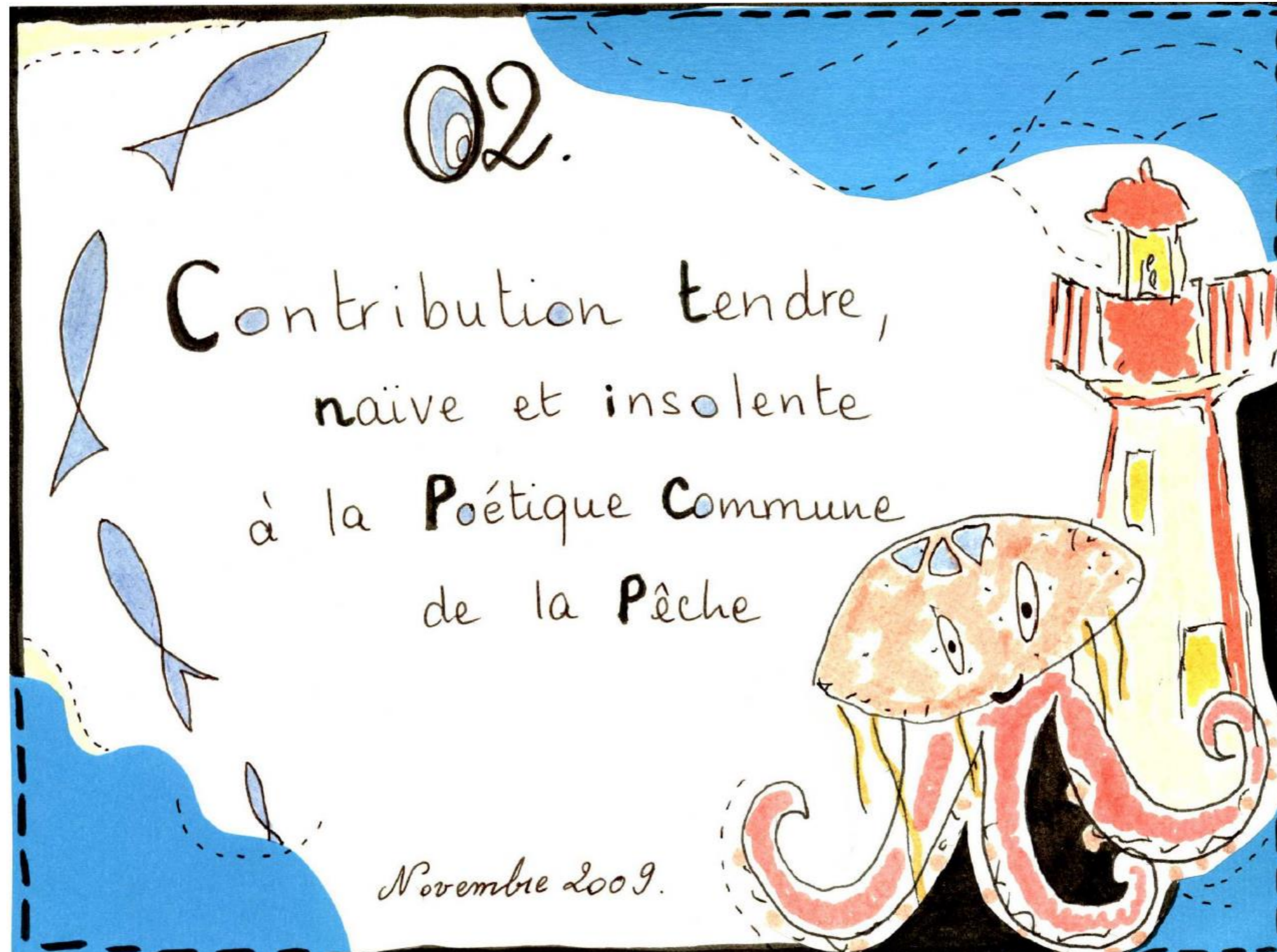
COMMISSION OF THE EUROPEAN COMMUNITIES

Brussels, 22.4.2009  
COM(2009)163 final

**GREEN PAPER**

**Reform of the Common Fisheries Policy**

# Policy Drivers: The Citizen



02.

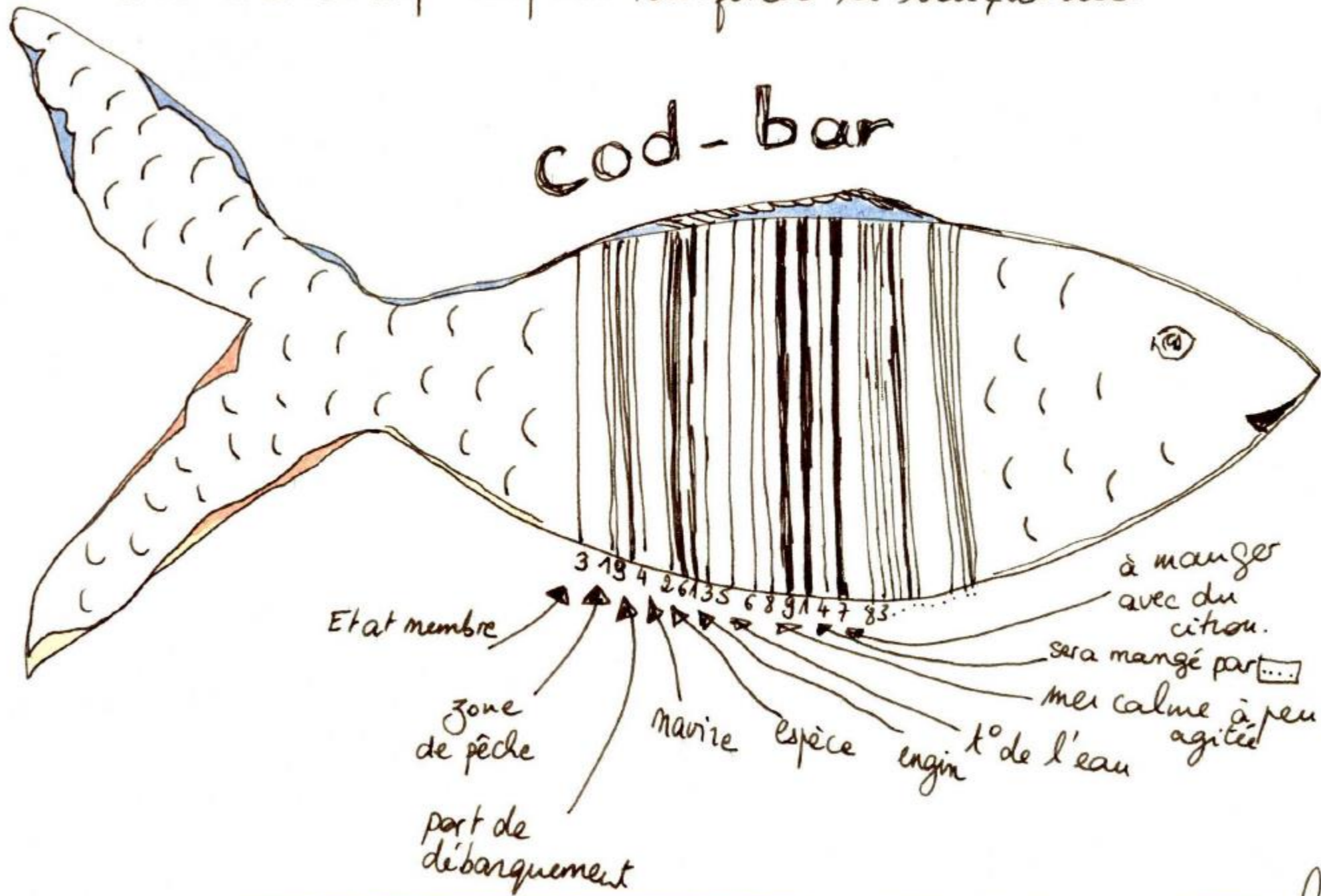
Contribution tendre,  
naïve et insolente  
à la Poétique Commune  
de la Pêche

Novembre 2009.

# Policy Drivers: The Citizen

Proposition naïve n° 4.

Creisons les espèces pour renforcer la traçabilité.



De

# The Citizen (driving the Scientists)

## Connaissance de la ressource

- Mademoiselle?
- Vous venez souvent par ici?
- Vous avez des enfants?
- Vous faites loin d'ici?
- Ah bon, mon collègue est déjà passé la semaine dernière...



les scientifiques doivent avoir une meilleure connaissance des ressources halieutiques et parfois des expériences, pardon des expertises partagés avec les poissons.

# Scientists driving Policy (?!)



Integrating Genetic, Genomic  
and Chemistry Tools into an Improved  
Management Scheme under  
the Common Fisheries Policy Remit.

- A contribution to the European Commission Consultation  
on the Common Fisheries Policy Reform -

*The FishPopTrace Consortium*

*Coordinator: G.R. Carvalho*



# Adoption

L 354/22

EN

Official Journal of the European Union

28.12.2013

## **REGULATION (EU) No 1380/2013 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 11 December 2013**

**on the Common Fisheries Policy, amending Council Regulations (EC) No 1954/2003 and (EC) No 1224/2009 and repealing Council Regulations (EC) No 2371/2002 and (EC) No 639/2004 and Council Decision 2004/585/EC**

THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 43(2) thereof,

Having regard to the proposal from the European Commission,

After transmission of the draft legislative act to the national parliaments,

Having regard to the opinion of the European Economic and

primary responsibility of the flag State, bearing in mind the provisions of Article 117 of the United Nations Convention on the Law of the Sea of 10 December 1982 <sup>(5)</sup> (UNCLOS).

(3) Recreational fisheries can have a significant impact on fish resources and Member States should, therefore, ensure that they are conducted in a manner that is compatible with the objectives of the CFP.

(4) The CFP should ensure that fishing and aquaculture activities contribute to long-term environmental, economic, and social sustainability. It should include rules that aim to ensure the traceability, security and

# The Common Fisheries Policy – Objectives

By 2020: all EU fish stocks at **maximum sustainable yield (MSY)**.



## Fisheries:

- Sustainability (environmental, economic, social);
- Healthy food;
- Profitable.

## EU aquaculture expansion:

- Fish product supply;
- Blue growth;
- Sustainable.



# The Common Fisheries Policy

## - Scientific Advice driving the CFP -

L 354/22

EN

Official Journal of the European Union

28.12.2013

REGULATION (EU) No 1380/2013 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

of 11 December 2013

on the Common Fisheries Policy, amending Council Regulations (EC) No 1954/2003 and (EC) No 1224/2009 and repealing Council Regulations (EC) No 2371/2002 and (EC) No 639/2004 and Council Decision 2004/585/EC

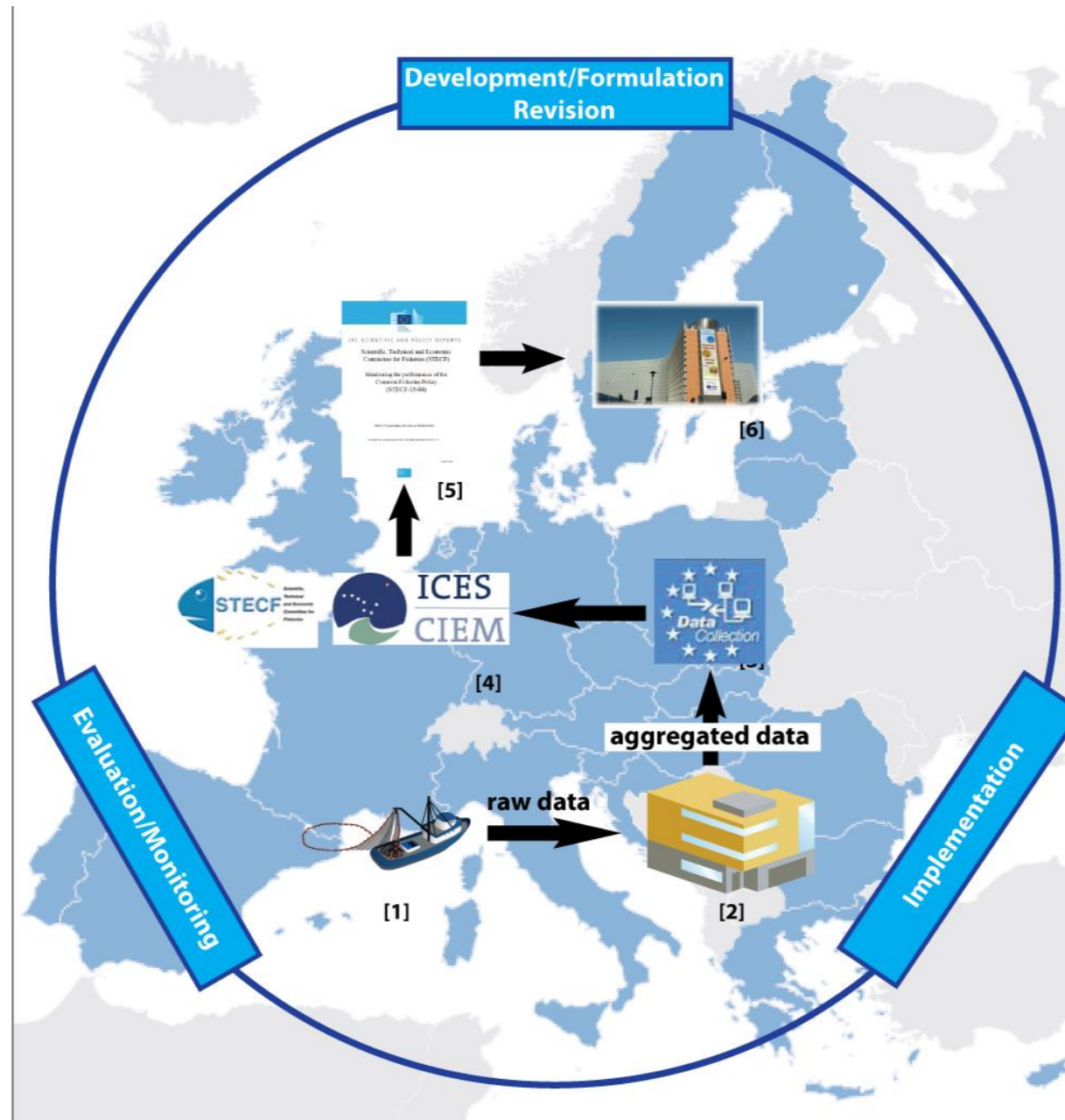
### *Article 27*

#### **Research and Scientific Advice**

1. Member States shall carry out fisheries and aquaculture research and innovation programmes. They shall coordinate their fisheries research innovation and scientific advice programmes with other Member States, in close cooperation with the Commission, in the context of the Union research and innovation frameworks, involving, where appropriate, the relevant Advisory Councils. Those activities shall be eligible for funding through the Union budget in accordance with the relevant Union legal acts.

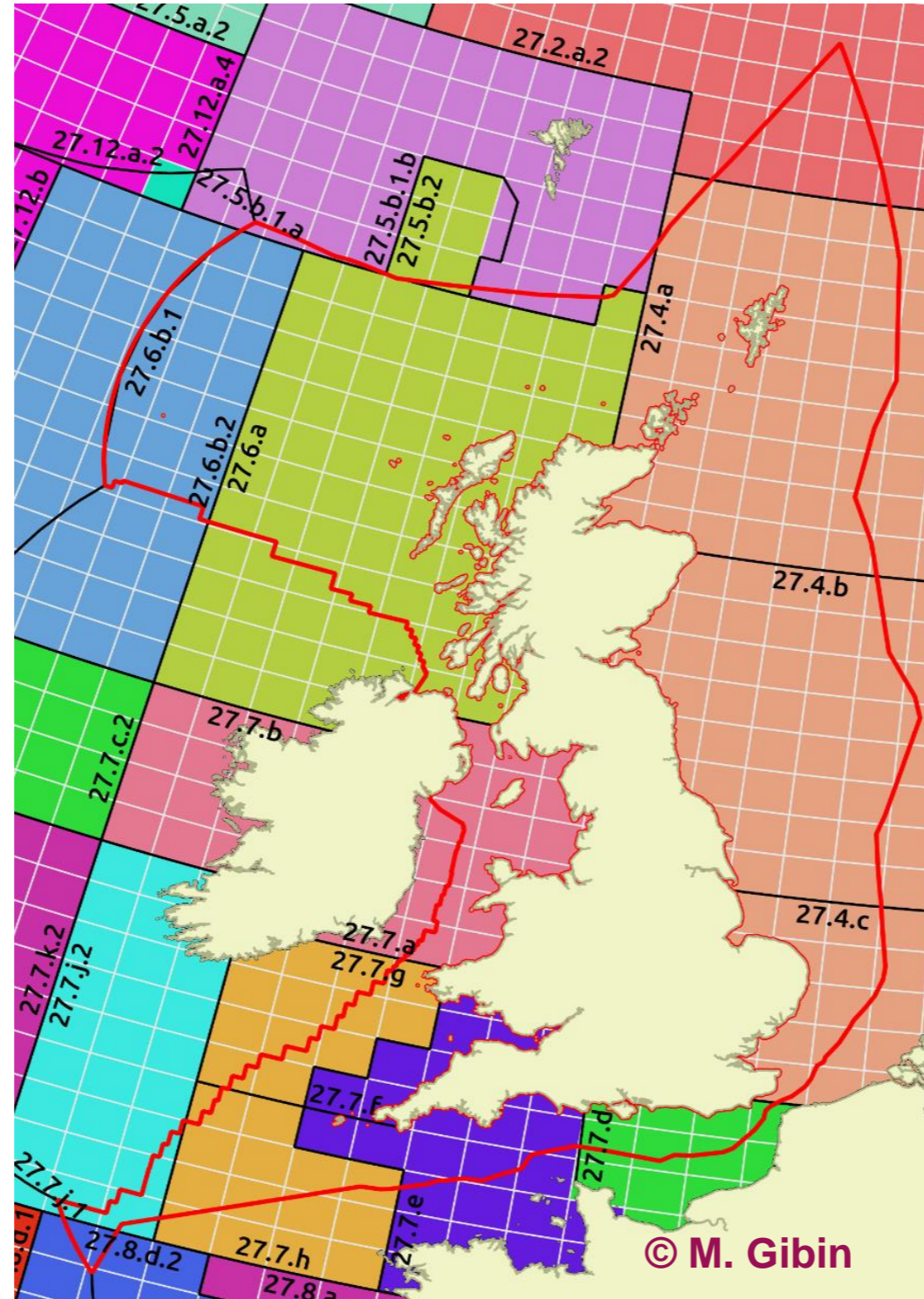
# The Common Fisheries Policy

## - Insistence on Scientific Advice -



# Quo vadis? – What happens if policy drivers loose their steering wheel?

## Fisheries as a paradigm







# And potential consequences ...

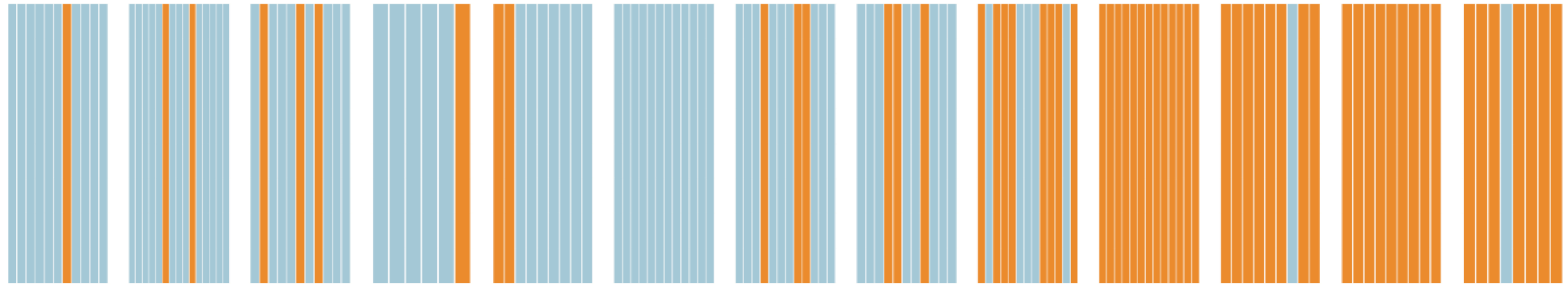


By CoventryAlbertWestfj.png:Kjallakr at en.wikipedia derivative work: Materialschemist (CoventryAlbertWestfj.png) [Public domain], from Wikimedia Commons

<https://commons.wikimedia.org/wiki/File%3ACoventryAlbertWestfj.jpg>

# Scientific Advice Feeding into Fisheries Management - an international comparison -

	USA 	Canada 	Australia 	European Union 
Legal Framework	Magnuson-Stevens Fishery Conservation and Management Act	Fisheries Act R.S.C., 1985, c. F-14 Coastal Fisheries Protection Act	Australian Fisheries Management Act	Common Fisheries Policy
Driver	conservation; rebuilding; employment; food; revenue.	sustainable aquatic ecosystems; economic prosperity.	sustainable Fisheries; net economic Return.	fishing/aquaculture environmentally, economically and socially sustainable; source of healthy food for EU citizens; profitability.
Scientific support endorsed	SEC. 2. FINDINGS, PURPOSES, AND POLICY 101-627, 104-297	e.g. Agreements, Programs and Projects [4.1]	Indirectly referred to [3a]	Regulation (EU) 1380/2013 (Article 3 and other passages)



# Genetics in support of fisheries and aquaculture management

17-19 September  
Faro, Portugal

