



– en plattform for samarbeid om kunnskapsutvikling

FishTech 2012

Scandic Hotel Ålesund 25.september 2012

Torgeir Edvardsen

EFTP BoD

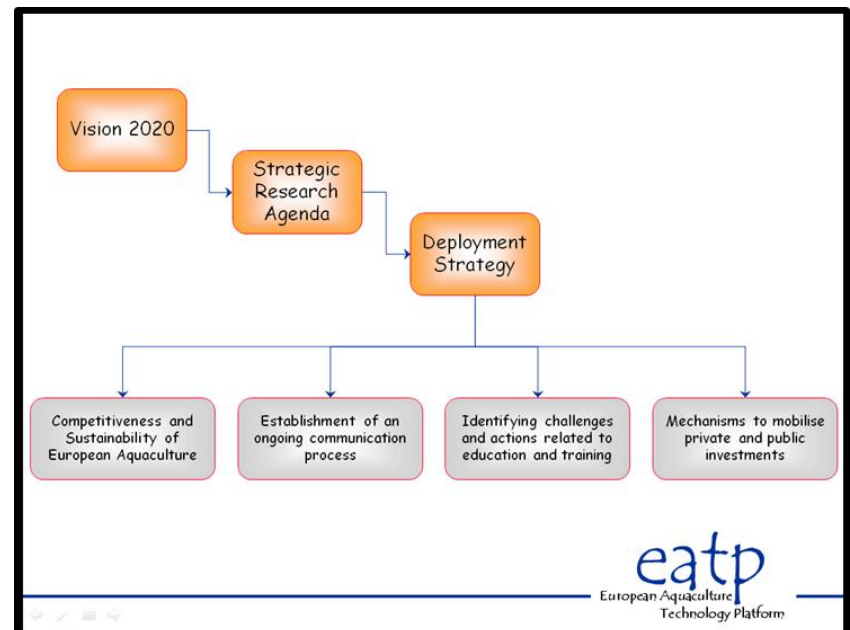
SINTEF Fiskeri og havbruk AS

Opplegg

- ❑ TP'er hva er det?
 - ❑ EU, FP7, Horisont 2020 – hva er dét?
 - ❑ Historien om EFTP
-
- ❑ Unnskyld "nynorsken" – det er av kostnadshensyn!

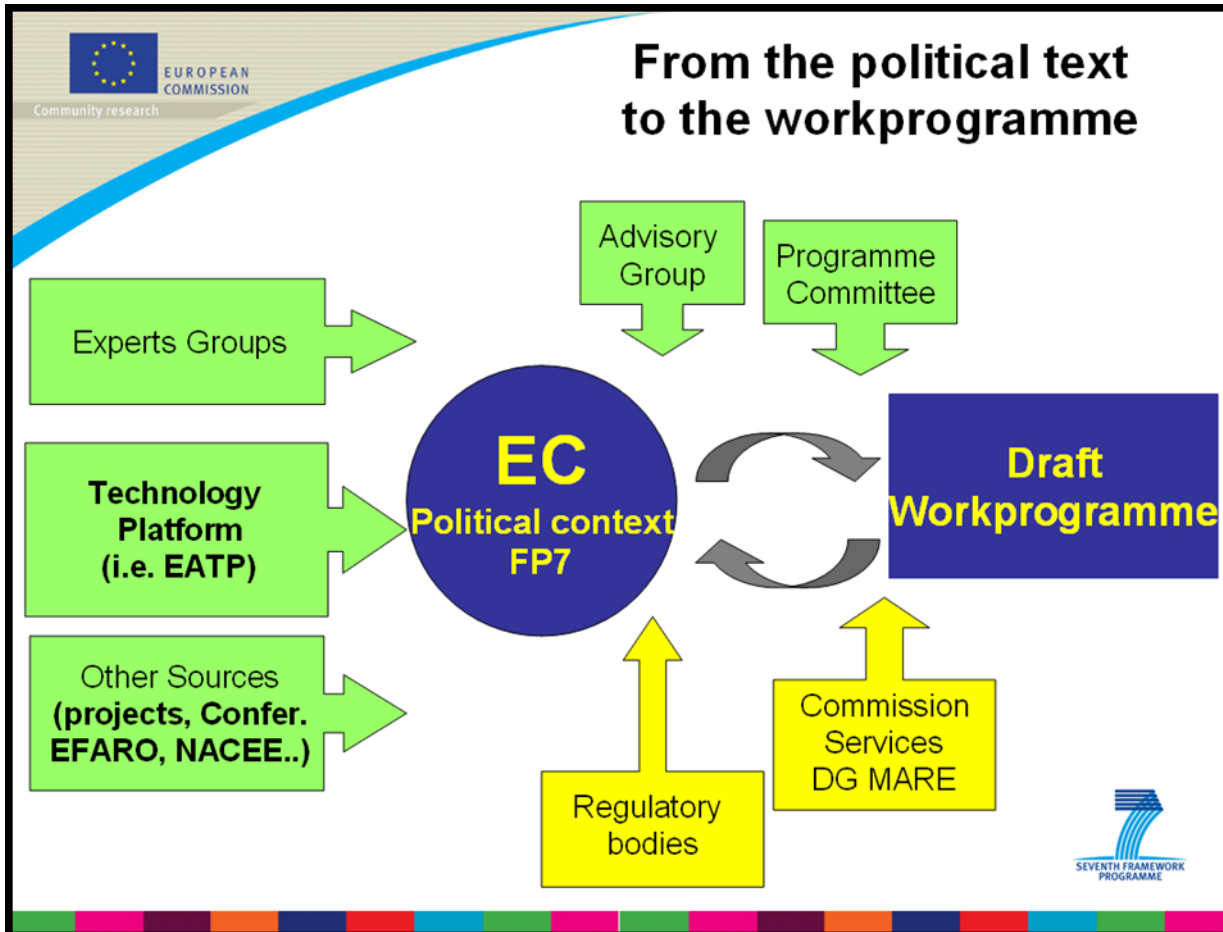
A new European Strategy

- ❑ 2000 Lisbon Council: Strategy: Competitiveness
- ❑ 2003 Brussels Council: ETPs
- ❑ Brussels 22. March 2007: EATP
- ❑ Vigo (May); Brussels (November) 2010: EFTP



How Work Programmes are made

Next:

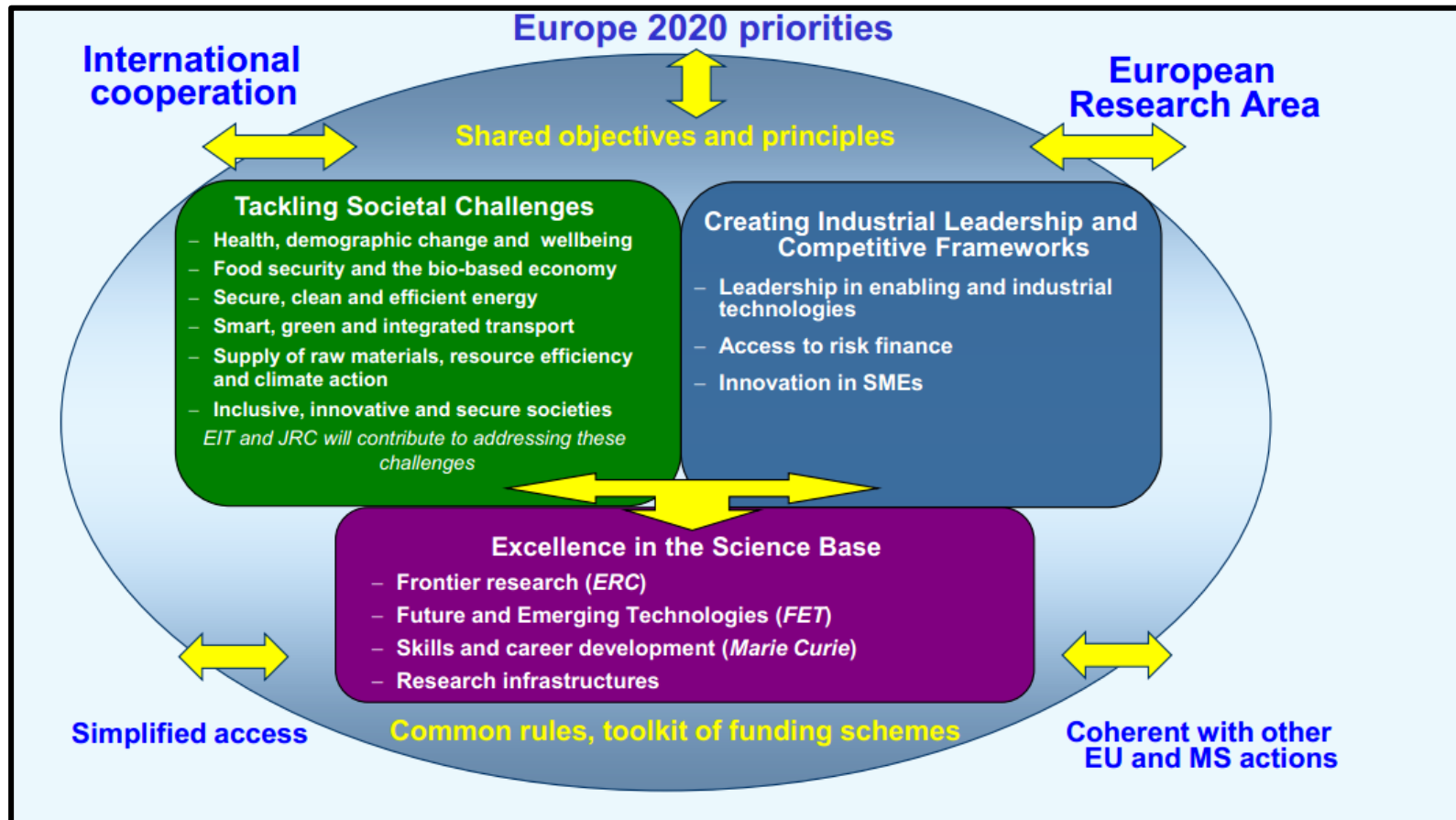


Workprogramme

HORIZON 2020

**the EU framework programme for
research and innovation**

Horizon 2020 Objectives and Structure



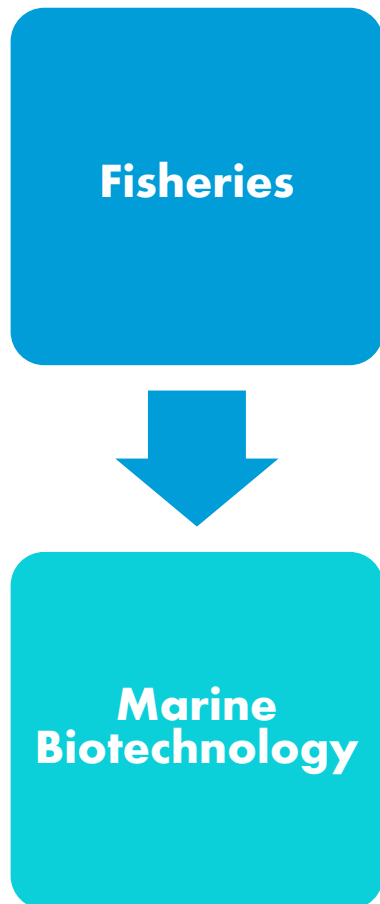
Forventninger!

HORIZON EXPECTATIONS

- ❑ Not too big projects
- ❑ Less bureaucratic procedure
- ❑ Increase SMEs participation
- ❑ Programme structured by a clear set of objectives based on Europe 2020 and Innovation Union.
- ❑ Focus on overall policy priorities (a challenge approach)
- ❑ Focus on societal challenges facing EU society.
- ❑ Integrating research and innovation in a seamless programme
- ❑ Common toolkit of funding schemes
- ❑ More innovation, from research to retail, all forms of innovation
- ❑ Simplified access, for all companies, universities, institutes in all EU countries and beyond.

HORIZON 2020 – Food Security, Agriculture, Bioeconomy

COM 2011-811: Establishing Horizon 2020



Developing sustainable and environmentally-friendly fisheries

- In depth understanding of marine ecosystems (new insights, tools and models to improve understanding of what makes marine ecosystems healthy and productive)
- Evaluate and mitigate the impact of fisheries on marine ecosystems (including deep sea).
- The socio-economic effects of management options will be measured.
- Effects and adaptation to environmental changes, including climate change.
- Research on the biology, genetic and dynamics of fish populations, on the role of key species in the ecosystems, on fishing activities
- Shared use of maritime space with other activities, in particular in the coastal zone, and its socio-economic impact will also be addressed.

Boosting marine innovation through biotechnology

- Discovery of new species and applications in the field of marine biotechnologies, which is foreseen to generate a 10 % annual growth for this sector.
- Explore and exploit marine biodiversity and aquatic biomass to bring new innovative processes, products and services on the markets with potential applications in sectors including chemical and material industries, pharmaceutical, fisheries and aquaculture, energy supply and cosmetic.



European Fisheries Technology Platform

EFTP

Background



• Do you think

Lars Horn,
RCN/MB



• Do you think

Waddah Saab,
DG MARE



ICESCIEM

International Council for
the Exploration of the Sea
Conseil International pour
l'Exploration de la Mer



February 2009



Progress

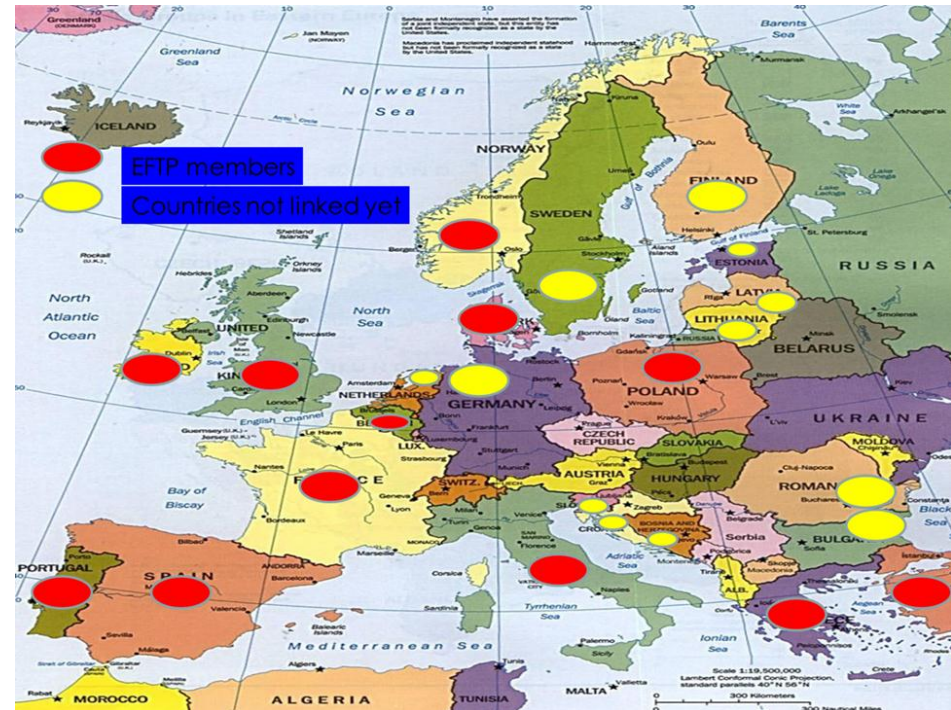
- ❑ Three preparatory meetings (Ijmeyden, Bilbao, Brussels)
- ❑ Launch/Kick off meeting, Vigo 18 May 2010
- ❑ 1st EFTP General Assembly, Brussels 24 November 2010
 - Board of Directors is elected.
 - Secretariat appointed: CETMAR, SINTEF and ARIEMA
 - Preliminary WG coordinators appointed
 - Agreed structure
 - Adoptions:
 - Terms of reference
 - Draft Vision 2025 Document
 - Road Map

Members

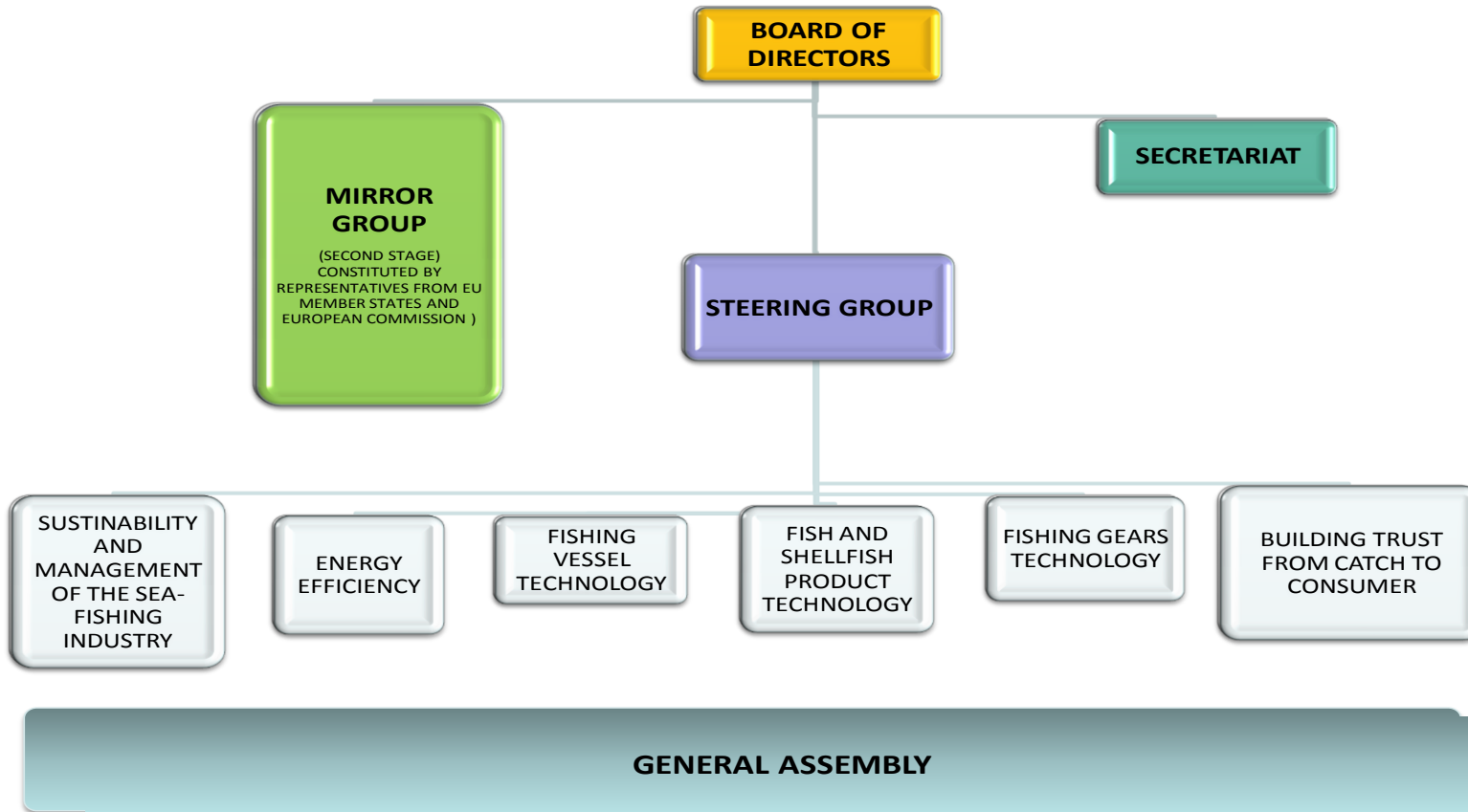
- 90 European entities involved from 16 countries, and
- more than 120 people involved in the initiative

COUNTRIES
BELGIUM
DENMARK
EUROPE
FAROE ISLANDS
FRANCE
GREECE
IRELAND
ITALY
NETHERLANDS
NORWAY
POLAND
PORTUGAL
SCOTLAND
SPAIN
TURKEY
UK

OTHER STATES
CANADA
US
AUSTRALIA
COSTA RICA



Structure



Working Groups – Thematic areas

1	2	3	4	5	6
Sustainability and management of the sea-fishing industry	Energy efficiency	Fishing vessel tech	Fish and shellfish	Fishing gears technology	Building trust from catch to consumer



Figure: manu automated fish handling (left)

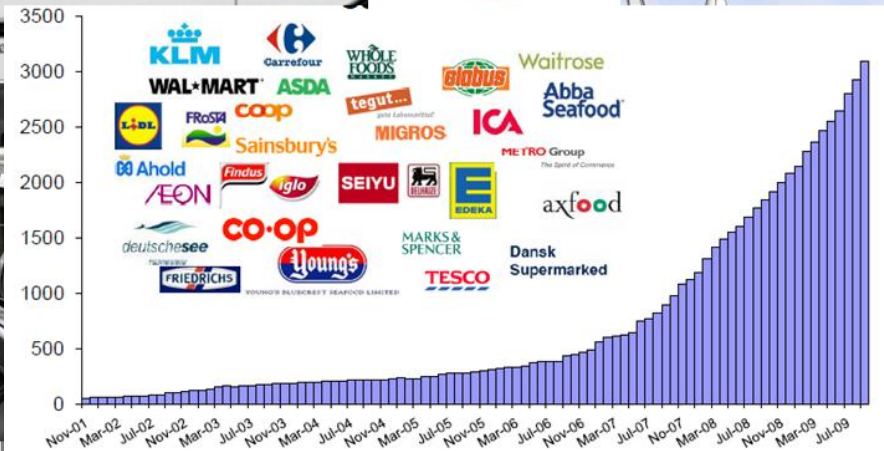


Figure: A number of retailers (SINTER) / ISRAEL and verft) and verft)



EFTP PRELIMINARY RTDI RECOMENDATIONS

WG 1: Sustainability and management

Coordinator: Javier Garat (Europêche, Cepesca)

Facilitator: Álvaro Fernández (IEO)

Technical secretariat: Rosa Fernandez (CETMAR)

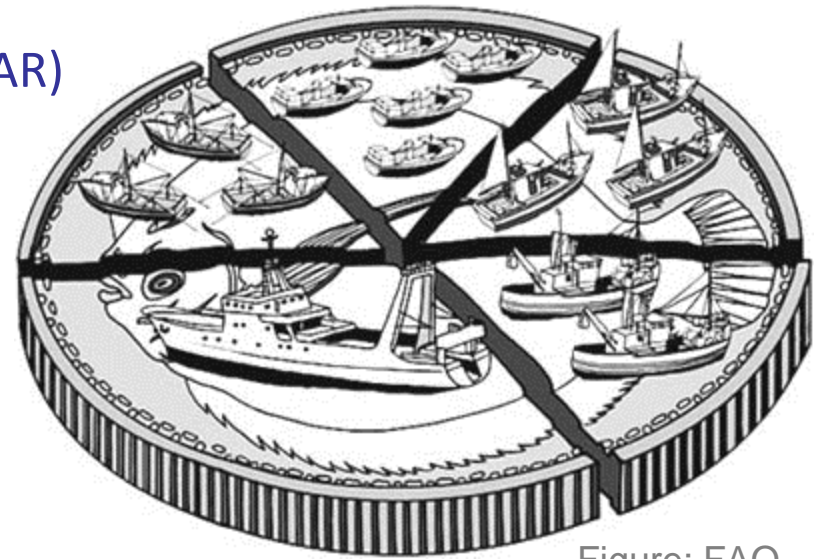


Figure: FAO.

Main focus areas:

- Placing the exploited stocks on maximum sustainable yield (MSY)
- Industrial management of fleet structure

WG 1: Some topics that may be addressed

- Improve the robustness and reduce the uncertainty in the scientific assessment on stocks
- Improve the sustainability pattern of fisheries
- Make fisheries more profitable and ecology
- Contribute to application of the ecosystem approach to fisheries management
- Create a collaborative link between the European fishing industry and society and project a positive image of the sector.

**Aligned to Sustainable growth
Horizon 2020 targets**



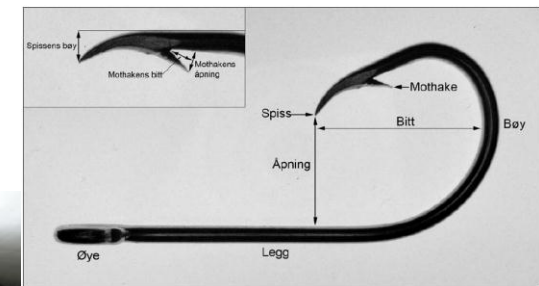
Figure: Some ICES areas.
for stock management

WG 5: Fishing gears for more sustainable fisheries

Coordinator: José Ramón Fuertes (ARVI)

Facilitator: Christian Hedløv Engh (Mustad)

Technical secretariat: Rosa Fernandez (CETMAR)



Main focus areas:

- Selectivity and efficiency in fishing gear
- Reduction of environmental impact from fishing gear

Figure: Automated longlining concepts.

WG 5: Some topics that may be addressed

- Selectivity in fishing (species / size)
- Reduce impact on environment (e.g. seabed)
- Gear design and development
- Improving gears in vessel maneuvers
- Gear and catch monitoring systems

**Aligned to Sustainable growth
Horizon 2020 targets**

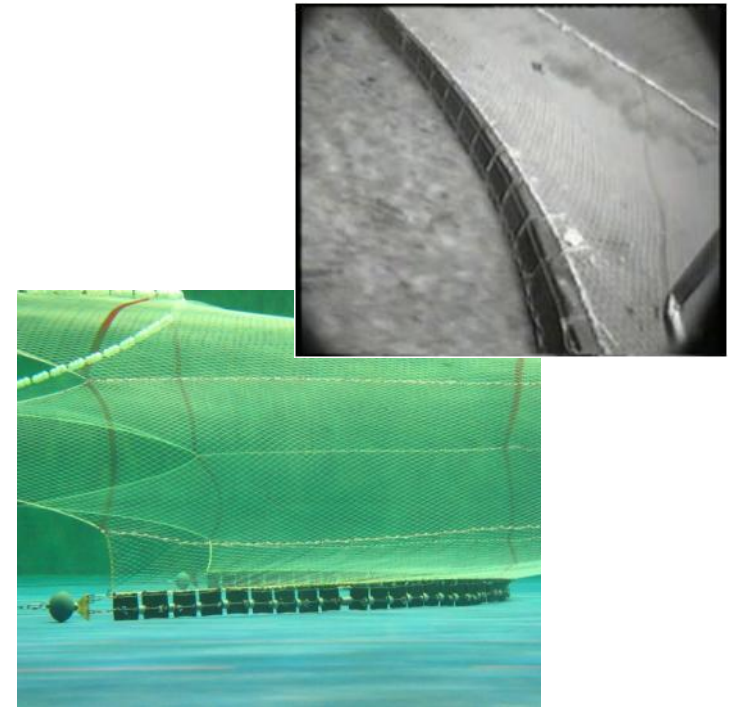


Figure: A trawl ground gir with minimal sea bed impact (IMR/SINTEF).

Documents

□ Documents available for feedback:

- EFTP at a glance
- EFTP strategy and Roadmap
- Terms of reference
- Code of Ethics
- Vision 2025 (advanced draft with preliminary SRA)

□ Documents to be started: Strategic Research Agenda

- (A methodology approach has been designed and are under discussion)



EFTP influence & impact

- Meeting Commissioner Damanaki

**What have we done?
So far.**

Meeting the Commissioner

- **15/03/2011: Maria Damanaki receives representatives from the European Fisheries Technology Platform**



- The Commissioner "commissions" a report from EFTP on Discards



EFTP influence & impact

- ❑ Meeting Commissioner Damanaki
- ❑ The Commissioner "commissions" a report from EFTP on Discards
- ❑ Recognitions from DG MARE and in the STECF-opinion on research needs in support of fisheries management
- ❑ Many speeches and presentations in various forums

What have we done?
So far. **Quite a bit!!**

**And we have had impact
 – on research calls from
 the EC!**

fisheries related research
 y transfer (CSA)

r in the field of fisheries
 Aquainnova project is
 culture and innovation

010 on sharing best
 eration on research, knowledge
 in farm animal science: project focussed on pig

REFLECTION PAPER

ACTIVITY 2.1

12 OCTOBER 2010

Identification of gaps

As regards fisheries and aquaculture, no in depth analysis has been carried out so far to quantify the impact of results of FP6 and FP7 projects, with the exception of the on-going work by the two technological platforms (**EATIP and EFTP**).

Little has been done to promote education and lifelong training for developing and maintaining capacity and skills relevant to innovation in industry.

As regards livestock:
Domains not covered:
 Coordination of (terrestrial) livestock production research and innovation
 Strengthening the impact of (terrestrial) livestock related research through communication/dissemination and technology transfer.

But Major Challenges

Board Decision

November 2011

Report soon available

□ Thematic Workshops on:

- **Future Fishing Vessel Technologies:** Challenges for a Sustainable European Fishing Fleet, June 6-7, Sicily
- **Fishing Discards:** Tackling the problem from a research and innovation perspective, Vigo June 22, 2012
- **Energy efficiency in fisheries:** How to influence research and innovation funding in Horizon 2020, Madrid September (tentatively 12th)

□ Workshop Reports:

- What do they contain?

Example from the first WS

Future Fishing Vessel Technologies

Challenges for a Sustainable European Fishing Fleet



Board Decision

November 2011

Report soon available

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□ Workshop Reports:

- What do they contain?
- How will they be used?
 - Research Programme Promotions (Pri 1: DGs MARE and RTD)
 - Deciding the future of the platform: pending board decision

Promotion

Reports

Future
Fishing
Vessel
Technologies

SUMMARY REPORT AND RECOMMENDATIONS

OBTAINED FROM THE WORKSHOP:

FISHING VESSEL TECHNOLOGIES.

CHALLENGES FOR A SUSTAINABLE


EUROPEAN FISHING FLEET

ICM-CNR, CAPO GRANITOLA, SICILY, 6th-7th JUNE 2012.

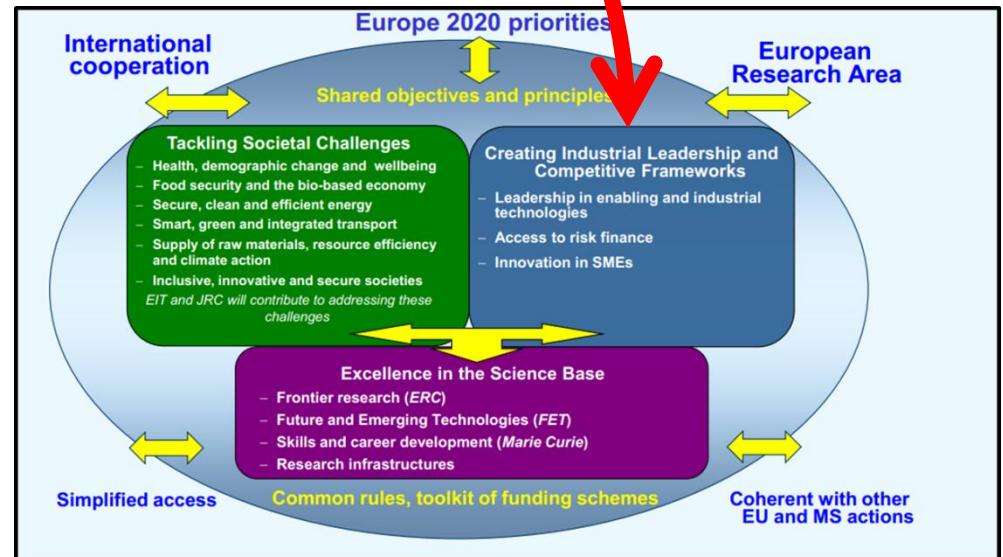
Challenge descriptor for the voting process	
Implementing the ecosystem approach by using the vessel to capture data	1
Integrate sustainability and multipurpose activities in the global ship design concept	
Improving the design for noise and vibration reduction and thermal control	2
Modify vessels to cater for tourists on board	
Improve energy efficiency of fishing vessels	3
Management systems for real-time energy optimization	
Fishing gear technologies (for energy efficiency)	
Improving vessel stability	
Improving gear selectivity	

FISHING DISCARDS. TACKLING THE PROBLEM
 FROM A RESEARCH AND INNOVATION PERSPECTIVE

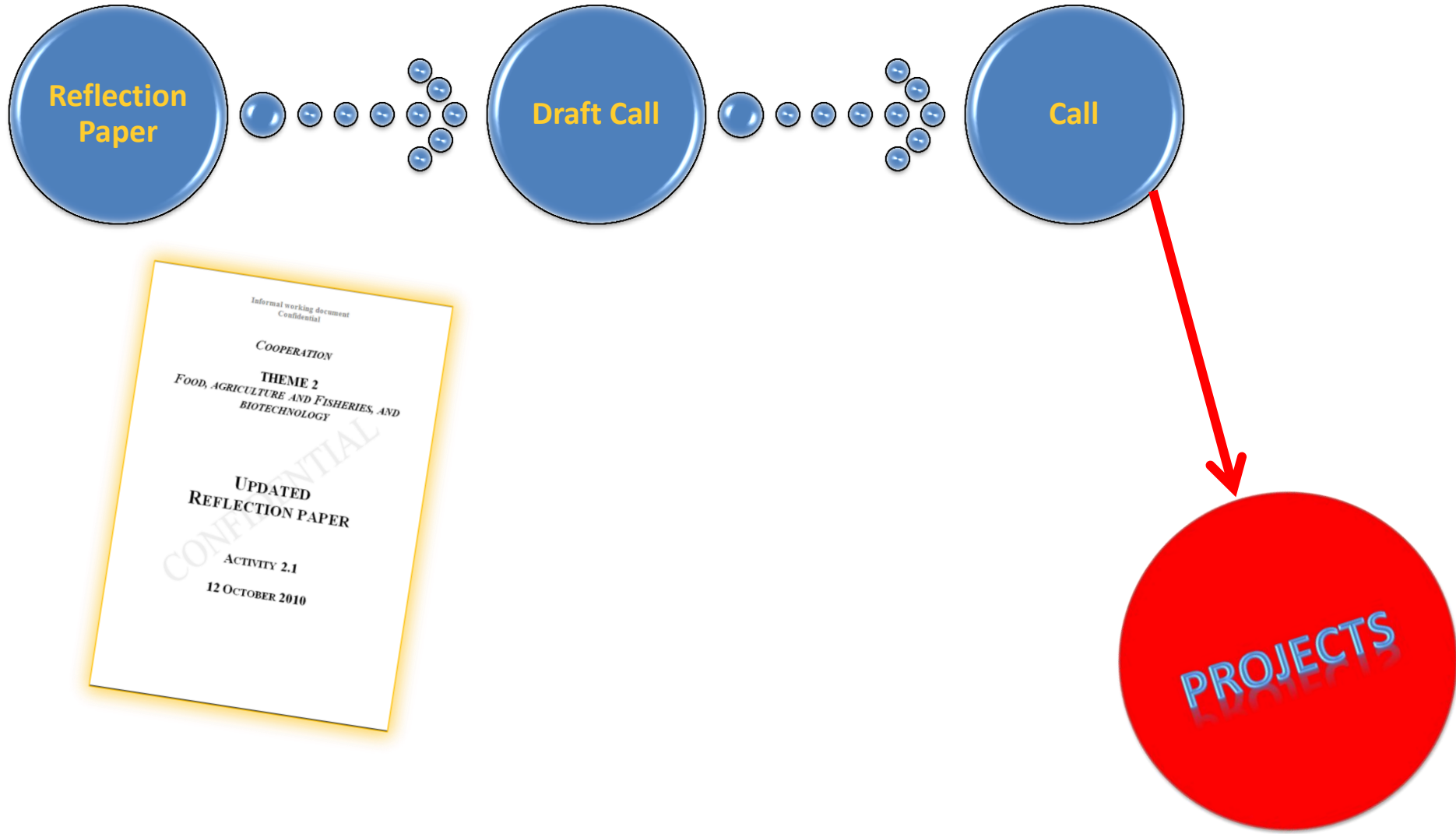
SUMMARY REPORT AN
OBTAINED FROM
FISHING VESSEL
CHALLENGES FO
EUROPEAN F
ICM-CNR, CAPO GRANITOLU



DRAFT REPORT ON THE WORKSHOP ABOUT FISHING DISCARDS ORGANISED BY THE EUROPEAN FISHERIES' TECHNOLOGY PLATFORM, ACCOMPLISHED IN VIGO, AT CETMAR HEADQUARTERS ON THE 22ND OF JUNE 2012.



Acid Test



Conclusion

- ❑ EFTP is established
- ❑ EFTP has started to have an impact
- ❑ Funding issues for EFTP SRIA is critical
- ❑ Now:
 - Promote WS results
 - Decide on future of EFTP

More Information

- Web page www.eftp.eu
- How to participate





Acknowledgements

Many thanks to:

- Rosa Fernández, CETMAR
- Maribel Rodriguez, ARIEMA

Both member of the EFTP Secretariat

Thank you for listening!

Torgeir Edvardsen

EFTP Board of Directors

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For more information about the platform: please visit www.eftp.eu or contact the Secretariat!