



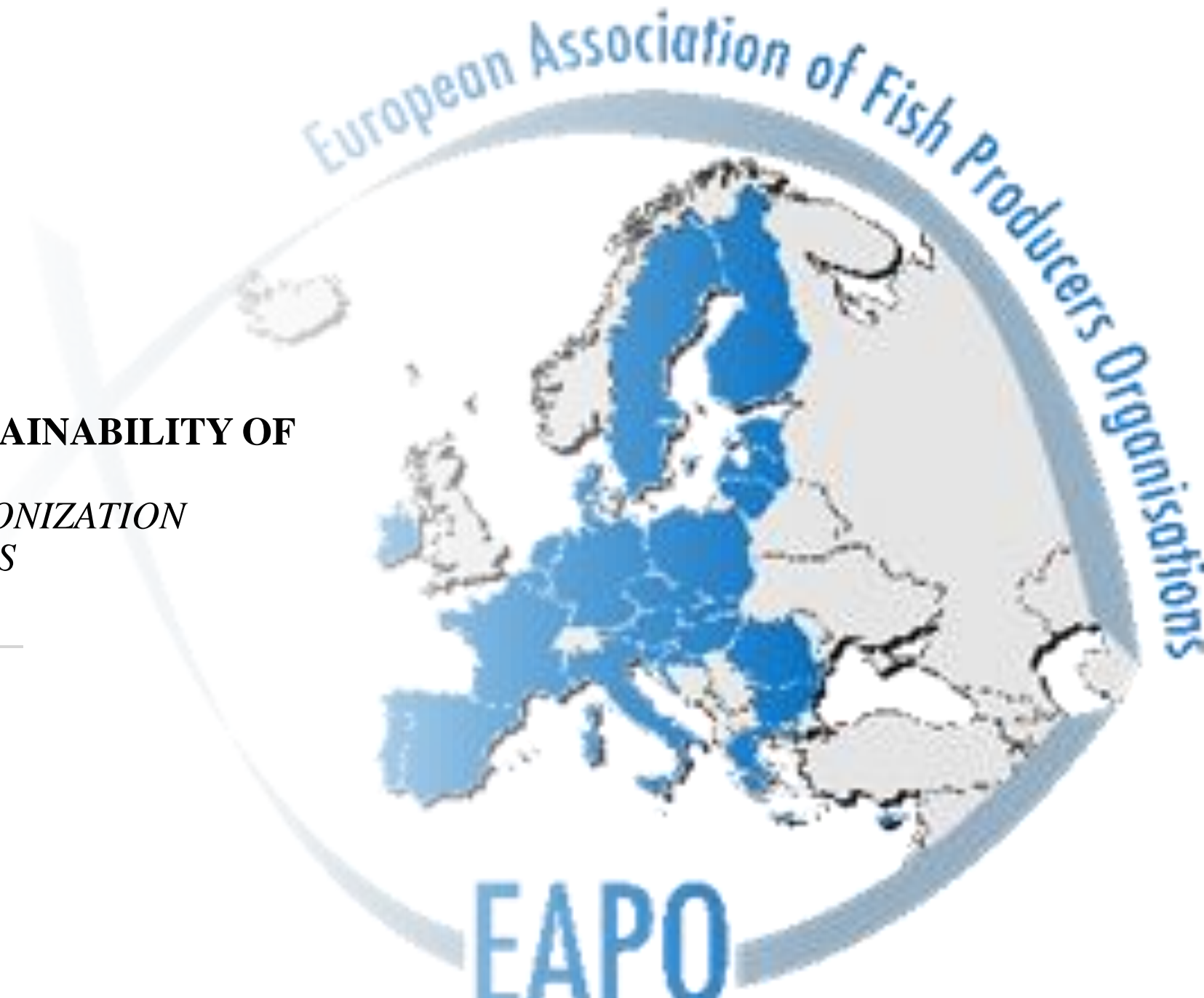
**INVESTMENTS FOR THE SUSTAINABILITY OF  
THE FISHING INDUSTRY:  
*ADVANCING TOWARDS DECARBONIZATION  
THROUGH POSITIVE INCENTIVES***

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*President Esben Sverdrup-Jensen*

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Vigo, Spain



# EAPO: who are we?



The European Association of Fish Producers Organisations (EAPO)



Founded in 1980



A European representative body for the fisheries sector



Membership: recognized fish producers organisations (POs) in 9 EU-member states



Currently represents 27 POs and approximately 10.000 vessels of all sizes

# DECARBONIZATION: WHERE ARE WE? AND WHERE DO WE WANT TO BE?





# WHAT ARE THE MAIN BARRIERS?



AFO

## GENERAL PROPERTIES OF FUEL TYPES



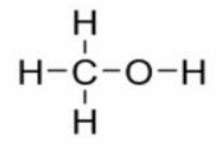
1 m<sup>3</sup>  
of fuel  
oil

- Easy storage
- Carbon emissions
- Local Emissions
- If produced as bio fuel only local emissions.
- Challenge to mix



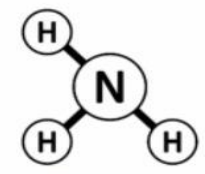
1,75 m<sup>3</sup>  
of CH<sub>4</sub> /  
LNG

- Storage -153 deg
- ≈ 20% lower carbon emissions as fuel oil
- Hardly local emissions
- As bio-fuel or synthetic fuel no Carbon emission.
- Easy mixing



2,63 m<sup>3</sup> of  
METHANOL  
/ CH<sub>3</sub>OH

- Storage 20 deg
- As bio-fuel or synthetic fuel no Carbon emission.
- Toxic.
- Still local emissions.
- High price (as green fuel)
- Availability



3,0 m<sup>3</sup> of  
AMMONIA /  
NH<sub>3</sub>

- Storage -33 deg
- No carbon emissions when produced as synthetic fuel
- Highly toxic.
- Still local emissions.
- Availability



4,6 m<sup>3</sup> of  
HYDROGEN / H<sub>2</sub>  
(liquid)

- Liquid storage -253 deg
- As synthetic fuel no Carbon emission.
- Storage and handling
- Availability

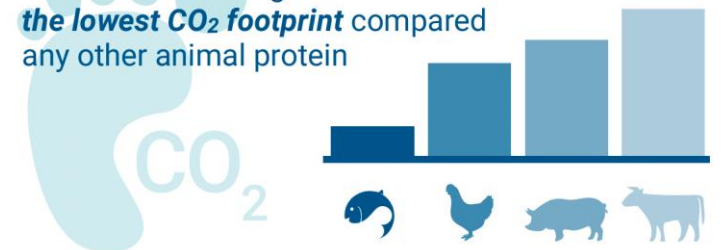


# GREEN POTENTIALS FOR FISHERIES



- ▶ Fishing is unique in its potential for carbon neutral food production
- ▶ The moment “green fuels” are available, fish production can become **carbon neutral**, no other protein production / source has an equal potential
- ▶ Fish is already the most climate friendly source of protein:  
1 beef meal = 50 herring meals  
If you eat beef for one week. Your carbon footprint is equal to one year of eating small pelagics or 6 months of eating cod.

Wild-caught fish in general and in particular pelagic fish such as herring and mackerel have **the lowest CO<sub>2</sub> footprint** compared any other animal protein



# WHAT CAN YOU DO?



## NATIONAL LEVEL - *positive incentives*

- ▶ Identify and remove legislative barriers for green transition - including technical measures, spatial constraints and **not least capacity limitations**
- ▶ Create positive investment schemes for green technology and - transition
- ▶ Invest in advanced fishing gear technology
- ▶ Invest in development of green energy logistics, including port infrastructure
- ▶ **Secure stable legislative and political “frameworks” for ownership of fishing rights**
- ▶ Avoid negative incentives, like fuel tax
- ▶ **Promote fish consumption (reduced VAT for certified EU fish?)**

# WHAT CAN YOU DO?



## EU LEVEL - *positive incentives*

- ▶ Identify and remove EU legislative barriers for green transition - including technical measures, spatial constraints and **not least capacity limitations**
- ▶ Analyse all CFP-elements including spatial management of TACs from a “climate perspective”
- ▶ Adjust engine power measuring regime to fit new green energies
- ▶ Adjust and increase EMFAF support to target green engine solutions, in a non discriminative manner for all vessel sizes. (including +24 m)
- ▶ Promote investments in advanced fishing gear technology
- ▶ Promote investments in green energy logistics, including port infrastructure
- ▶ Secure stable “frameworks” for ownership of fishing rights, long term management plans, 3. country agreements and environmental policy.
- ▶ Avoid negative incentives, like fuel tax
- ▶ Promote fish consumption (reduced VAT for certified EU fish?)



*Q&A*





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