



Fish : Food for Whales ? Food for People ? Food for Thought !

## Simply Food

Sjávarútvegs Ráðstefnan,  
Reykjavík 20-21.11.14

Johán H Williams  
Fagdirektør  
Nærings- og fiskeridepartementet, Oslo



# THE CHALLENGE

World Population increase

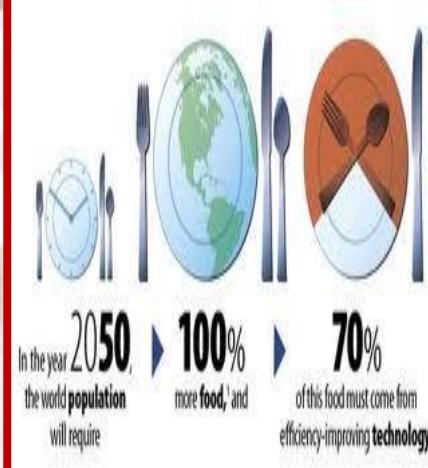
World's food production systems are unsustainable - Improve the Ecological Foundation

How can Fish contribute

# THE CHALLENGERS

“Free Willy” and “Ban Fishing”

Stewards, Commissioners and Highness



# CV – JOHÁN H WILLIAMS

1959 – 1976 Child Laborer  
1977 M.Sc Norwegian College of Fisheries, Tromsø  
77-79 Norwegian Ministry of Fisheries  
80-88 Norwegian Agency for Development  
Cooperation (NORAD)  
89-94 Nordic Council of Ministers, København  
95---- Norwegian Ministry of Fisheries and  
Coastal Affairs (Director General Resources and  
Marine Environment Department 1997 – 2011)

## 97-2011 Norway's Chief Negotiator Coastal State (dis)agreements herring, blue whiting and mackerel

2004-12 Chief Adviser Vietnam Fisheries Law Program  
2010 --- President North East Atlantic Fisheries Commission  
2012-14 Chairman FAO Committee of Fisheries COFI  
2014 --- former .....



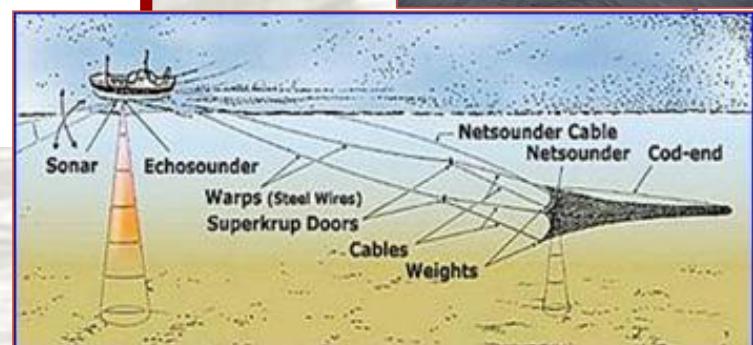
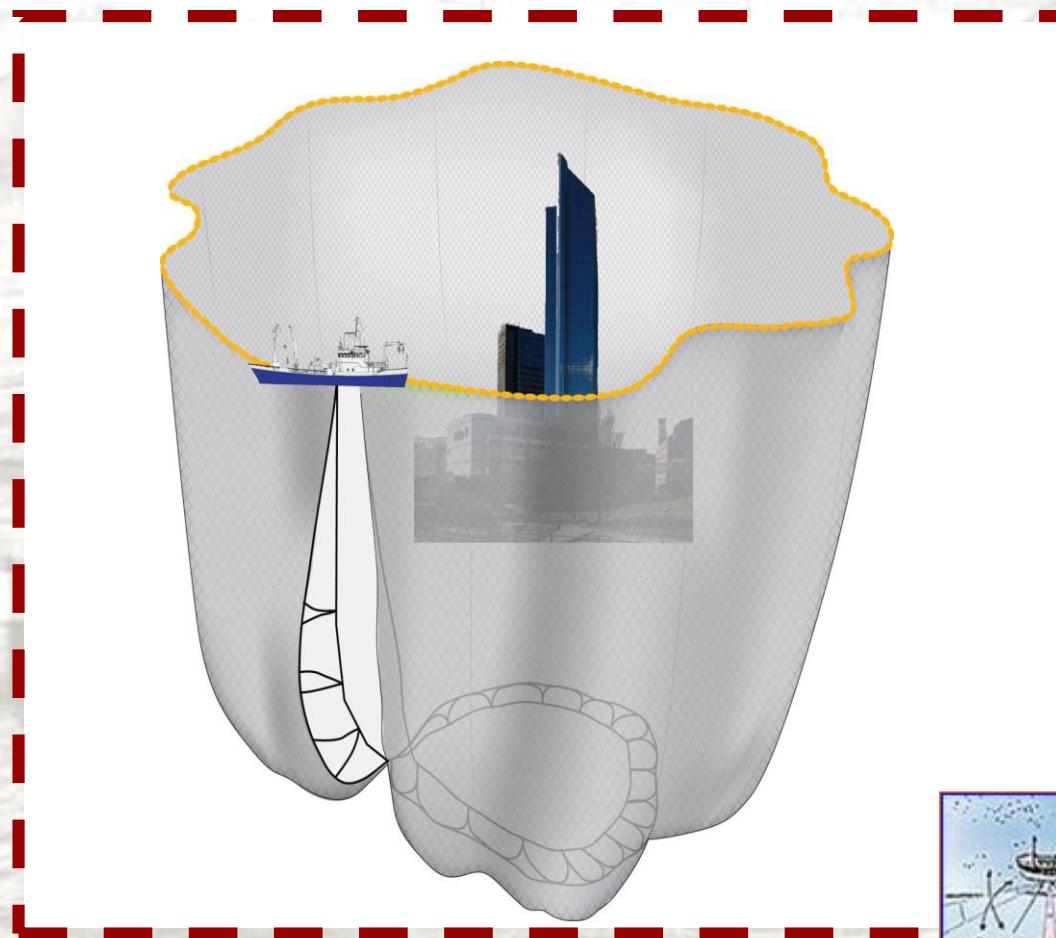
# ISLAND OG EG



34



# TARGET FISH

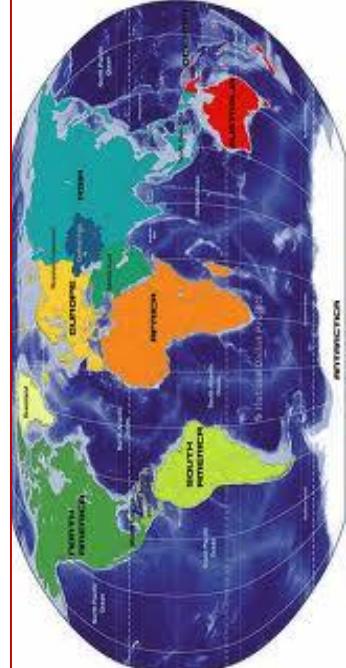


# TARGET FISHERIES



# 1-2-3-4 GLOBAL CHALLENGES

- 1) Management in ABNJs  
 $(\geq 200 \text{ nm})$
- 2) Non-Food vs Food
- 3) Fishing down the Food Chain
- 4) "Plundering" the Poor



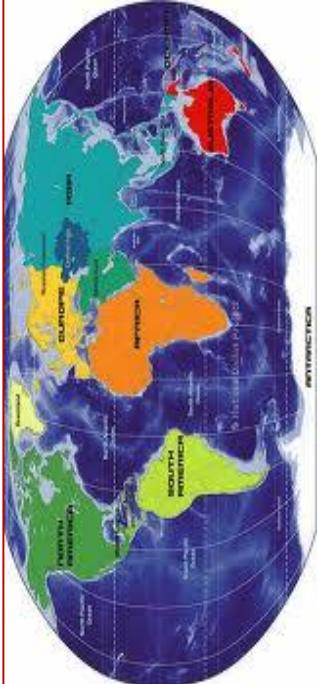
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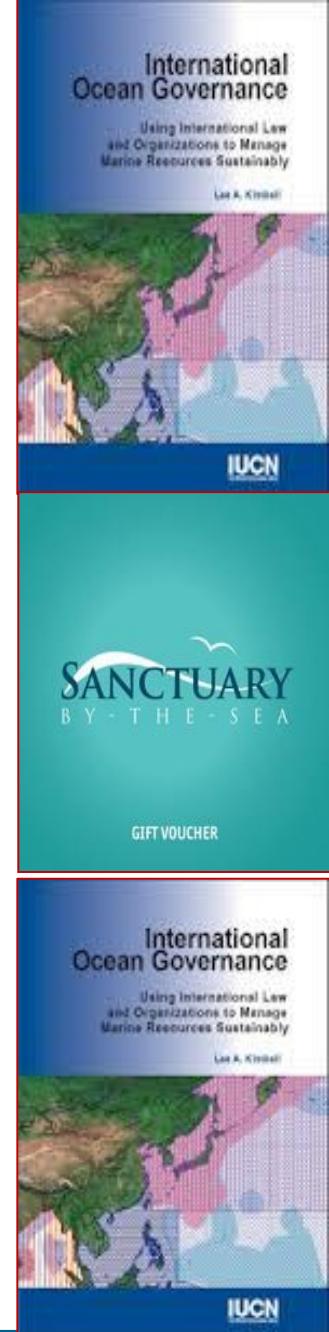


# AREAS BEYOND NATIONAL JURISDICTION (>200 NM)

"On the other hand, the EU is of the opinion that we are also facing a "**governance gap**" in ABNJ, given the largely sectoral nature of the existing legal framework, which does not allow for an integrated impact assessment of human activities on the marine ecosystem, or for an overarching framework for the establishment of MPAs.

But this, Mr Chairman, is in fact the reason why the EU sees a need to develop an implementation agreement under UNCLOS and its underlying principles for the conservation and sustainable use of marine biodiversity. "

**EU Presidency Statement - Working Group on Marine Biodiversity (14 February 2006: New York)**





## Global Ocean Commission

<http://www.globaloceanccommission.org/the-commissioners/>

- Global Ocean Commission, an independent body of international leaders, launches today (12<sup>th</sup> February) with the aim of reversing degradation of the ocean and restoring it to full health and productivity
- Chaired by former Costa Rican President José María Figueres, South African cabinet minister Trevor Manuel and former UK Foreign Secretary David Miliband MP, the Commission brings together senior political figures including former Heads of State, Foreign Ministers and Finance Ministers from around the world, alongside business leaders and development specialists.
- During 2013-14, the Commission will analyse key threats to the international waters known as the 'high seas', which make up almost half of the Earth's surface but are not owned by any one country. This large proportion of the global ocean is under severe and increasing pressure from overfishing, damage to important habitat, climate change and ocean acidification.
- The Commission will publish its final recommendations early in 2014, shortly before the UN General Assembly begins discussions on protecting high seas biodiversity.

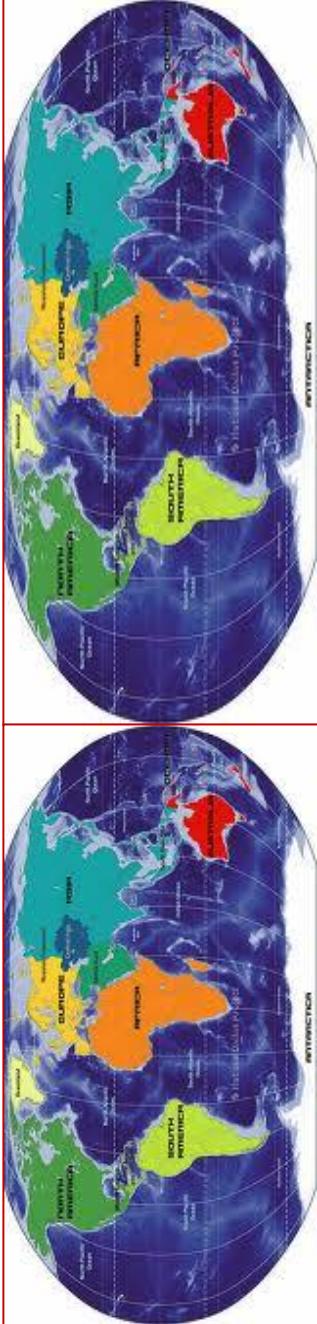
**PEW;**  
**Beyond 200 nautical miles from the seashore lie the international waters of the high seas global commons covering 45 percent of the Earth's surface.**

**The time is ripe for a new initiative of great vision and leadership to protect the largest and last remaining global commons on Earth.**

**The time is right for a Global Ocean Commission**

# 1-2-3-4 GLOBAL CHALLENGES

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**2009 –**

## **UNGA FISHERIES RESOLUTION**



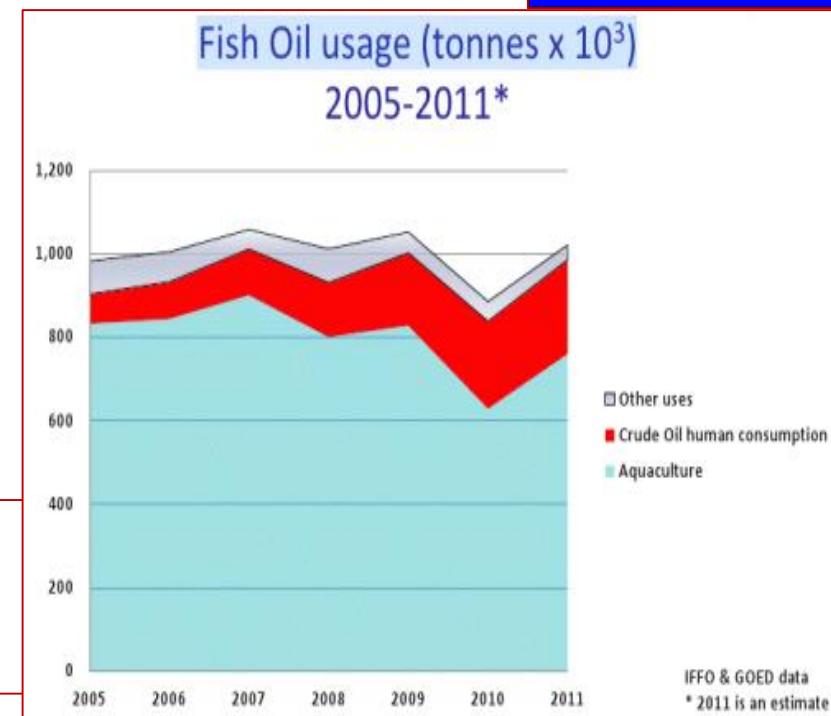
**United Nations**



EU expressed concerns with respect to effects of industrial fishing for reduction

Proposed establishment of a FAO working Group - especially when such fishing competed with fishing for direct human consumption

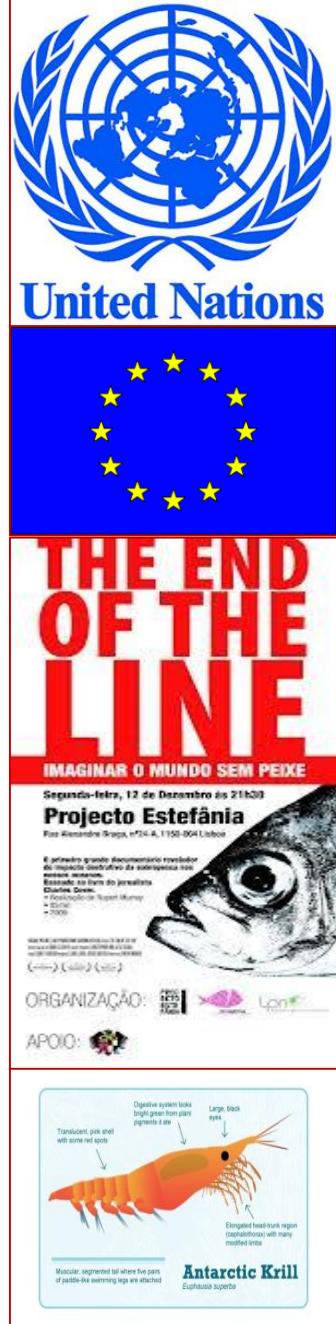
**Proposal withdrawn at end of negotiations due to strong opposition from a number of Nations**



# 2010 – UNGA FISHERIES RESOLUTION – EU PROPOSAL

**“Encourages States to consider the need for setting up a working group to analyse the impact of fisheries targeting small pelagics and krill, particularly those intended for non-human consumption, on the ecosystem as well as the economic aspects of these fisheries in terms of actual or potential market demand whether intended for human consumption or other uses at the twenty-ninth session of the Committee on Fisheries of the FAO”**

**EU-Proposal – reformulated to address fish at lower trophic level in general after strong opposition from Russia, South Korea, Japan , Iceland and Norway**



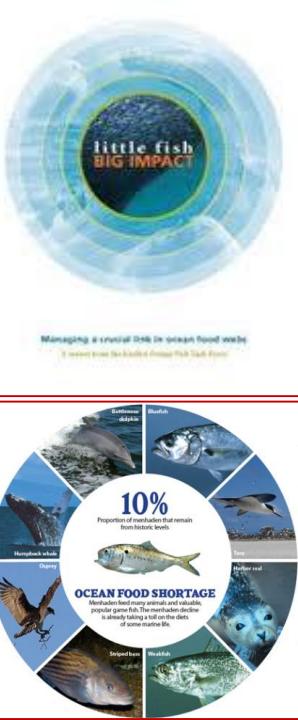
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# 50% QUOTA REDUCTION

- To date, scientific guidance for managing forage fisheries has mostly focused on broad principles. **The Lenfest Forage Fish Task Force** report makes specific recommendations that fisheries managers can use to improve the sustainability of forage fisheries.
- Cut forage fishing by half in many ecosystems**  
According to the Task Force's food web simulations, the only fishing strategies that reliably sustain predators and forage populations are those that reduce maximum fishing mortality to half the conventional maximum. The most sustainable of these strategies also doubled the minimum biomass that should be left in the ocean to 40 percent of the unfished biomass— twice the conventional minimum.
- The Task Force therefore recommends that, in most ecosystems, fishing should be half the conventional rate or less, and leave at least twice as many forage fish in the Ocean.**



**Forage  
fish :small  
pelagic  
fish  
which are  
preyed on  
by larger  
predators  
for food**

# 2011 UNGA FISHERIES RESOLUTION- EU PROPOSAL

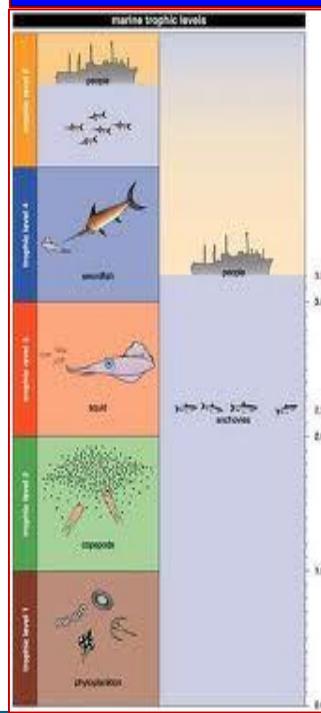


United Nations



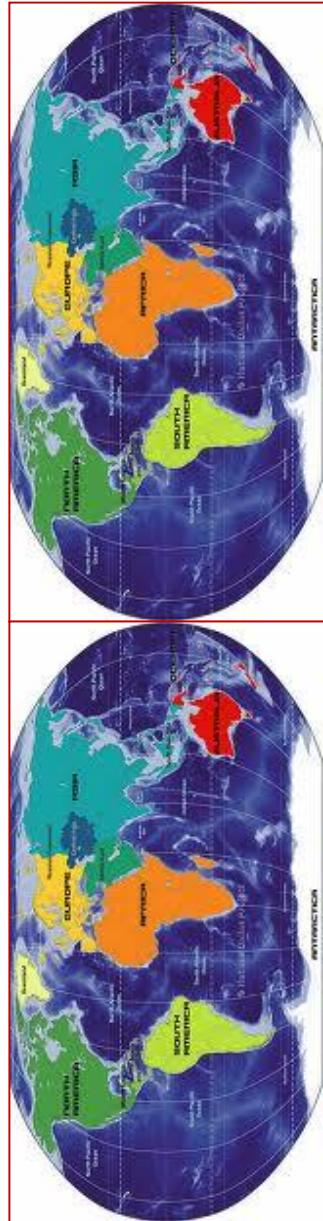
“.... in this regard. The encouragement of the Committee on Fisheries of the FAO of the UN at its thirtieth meeting to further study the impact of industrial fishing activities on species occupying low trophic levels in order to support the establishment of appropriate levels of catch and effort to mitigate their impact on the ecosystem”

**EU proposal**



# 1-2-3-4 GLOBAL CHALLENGES

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# PLUNDERING THE POOR



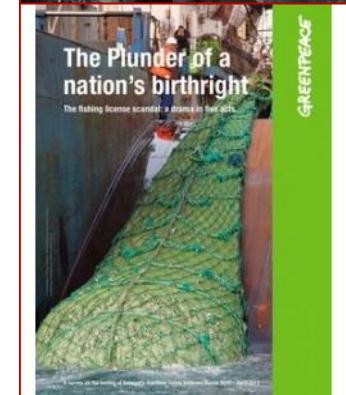
## *Special report*

How our growing appetite for salmon is devastating coastal communities in Peru”

**GREENPEACE**

***Greenpeace releases groundbreaking report on Senegal Sardinella plunder***

Press release - October 10, 2012 Dakar – Today marks the launch of a groundbreaking Greenpeace report detailing the plunder of Senegal ‘s small pelagic resources by foreign trawler fleets.

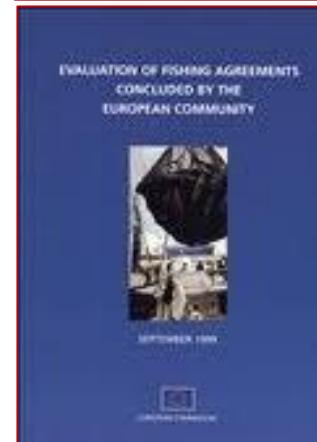


# CFFA - Coalition for Fair Fisheries Arrangements

## OUR AIM

To supply detailed information to coastal fishing communities with a view to promoting their active and informed participation in the decision making processes affecting their livelihood, with a special focus on fisheries relations between the European Union and ACP-countries

**Brussels, Belgium (PANA), February 25, 2013 – The European Union (EU) and Mauritania are to set up a joint scientific committee which will assess, in details, the fish stock in the Mauritanian waters, the European Commission indicated here Monday in press release**



# MOBILIZING THE MASSES

LITTLE FISH BIG DEAL



Dear Pacific Fishery Management Council,

Fishermen know the importance of baitfish to a productive ocean. That's why I am asking you to suspend developing any new fisheries that target forage species along the West Coast. Abundant populations of forage species feed the rest of the food web – including wild-caught tuna, salmon, and groundfish. Plenty of forage keeps the public's favorite seafood robust and healthy.

By acting now, the council can protect our important fisheries and the ecosystem that supports them. Suspending development of new fisheries on non-managed forage species will protect the prey base without creating winners or losers. The council did just that when it put krill off-limits in 2006. Similarly, the North Pacific Fishery Management Council prohibited directed fishing for many key forage species with the strong support of commercial fishermen.

**There is no reason to wait. Before allowing the lifeblood of a healthy ocean to seep away as low-grade feed overseas, let's make sure we've left enough bait in the water for the fishermen and coastal communities that depend on it.**

Sincerely, \_\_\_\_\_  
Signature \_\_\_\_\_

Print name \_\_\_\_\_



# *flashback?*

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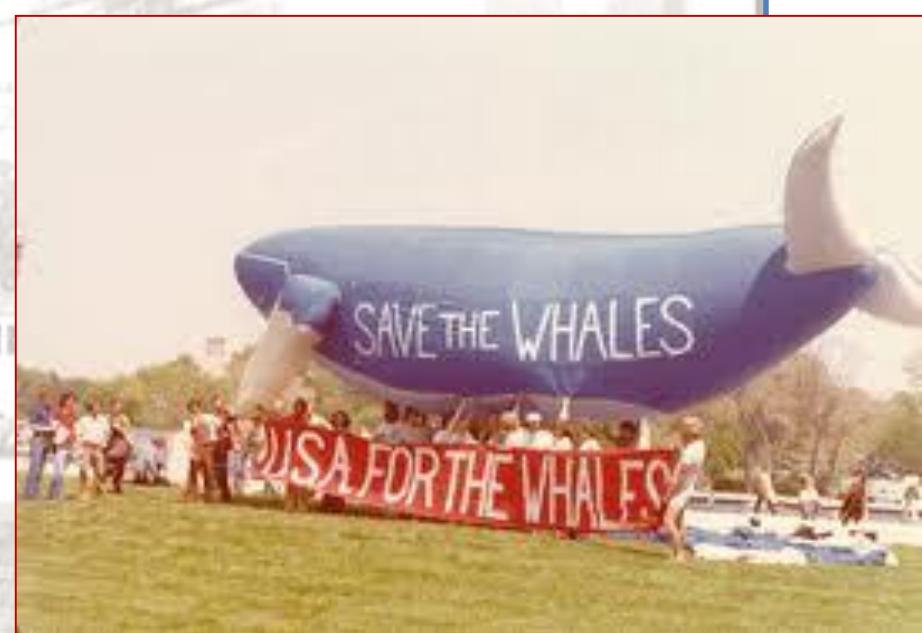
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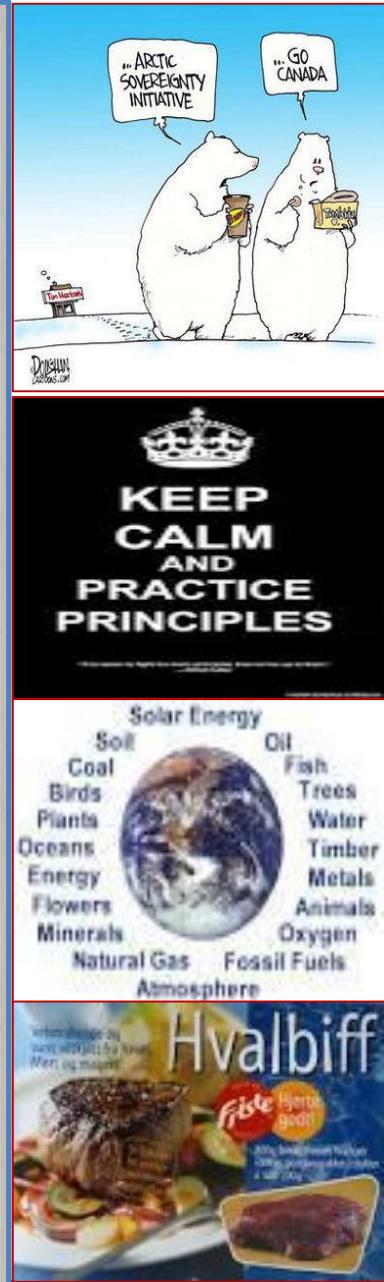
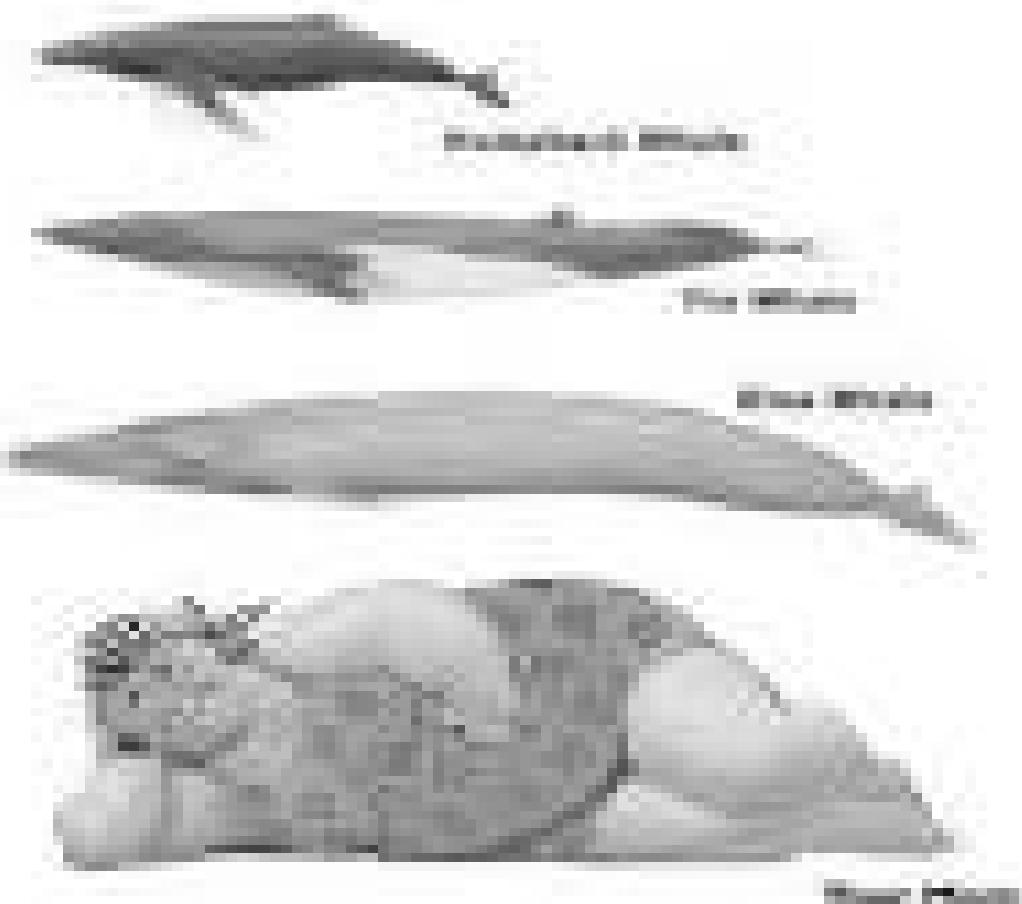
Sincerely,

Signature \_\_\_\_\_

Print name \_\_\_\_\_



# BIGGER THAN WHALE



# THE CAMPAIGNS – A MIGHTY FOE

[Marine Finfish Aquaculture Standards Project](#)

[U.S. Caribbean Fish Conservation Campaign](#)

[Atlantic Herring Campaign](#)

[Oceans North: Protecting Life in the Arctic](#)

[Gulf Surface Longline Campaign](#)

[South Atlantic Fish Conservation Campaign](#)

[Global Campaign to End Illegal Fishing](#)

[Federal Fisheries Policy](#)

[Gulf of Mexico Fish Conservation Campaign](#)

[Campaign to End Overfishing in the Mid-Atlantic](#)

[Conserving New England Fish](#)

[Global Shark Conservation](#)

[Pew Whale Conservation Project](#)

[Global Tuna Conservation](#)

[Salmon Aquaculture Reform](#)

[Campaign for Healthy Oceans](#)

[Antarctic Krill Conservation Project](#)

[Marine Aquaculture Task Force](#)

[European Marine Programme](#)

[Pacific Fish Conservation Campaign](#)

[Atlantic Menhaden Campaign](#)

[Southern Ocean Sanctuaries Campaign](#)

## THE OCEAN WE NEED

A Blueprint for Urgent Action  
on Oceans from Rio+20



deepsea  
conservationcoalition

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Sincerely, \_\_\_\_\_  
Signature \_\_\_\_\_  
Postname \_\_\_\_\_

## SAVE OUR SEAFOOD



S.O.S.  
Save Our Seafood



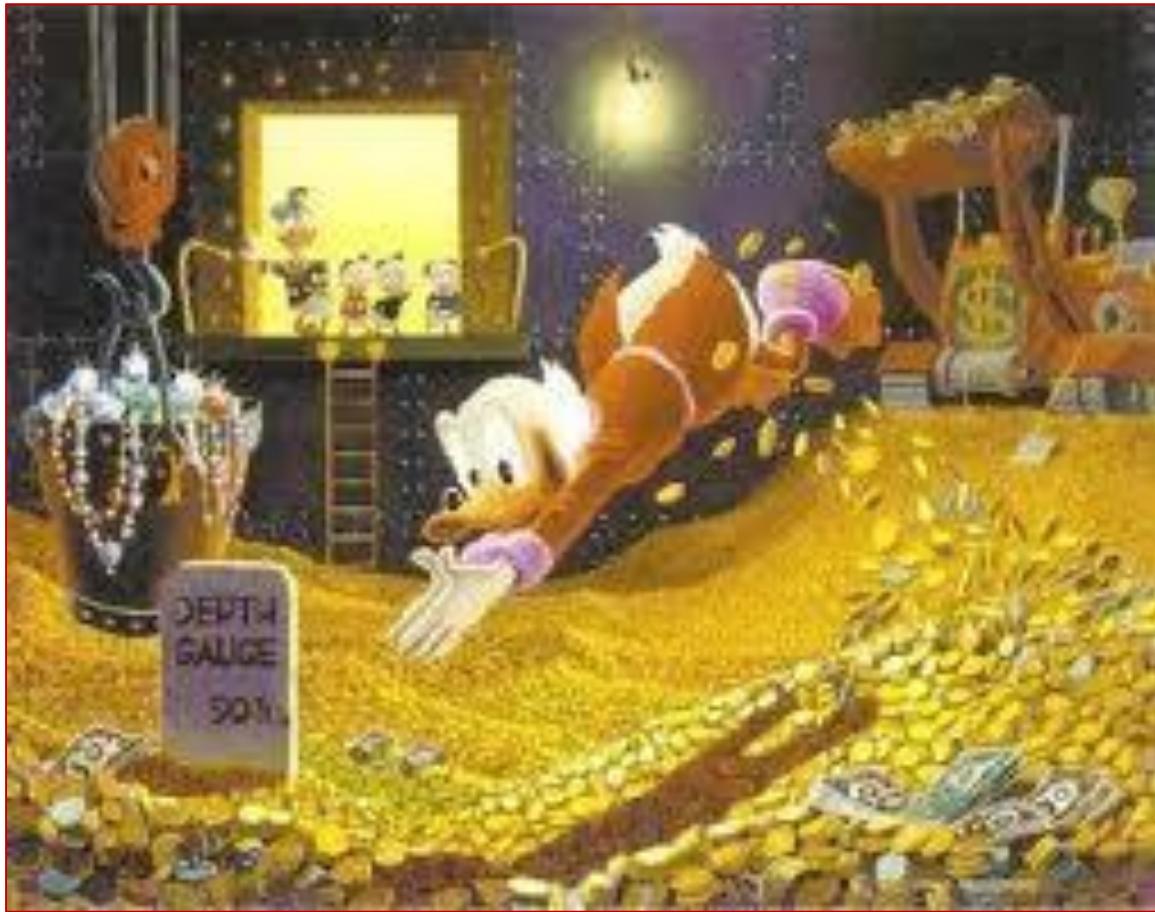
SAVE THE OCEANS:

FEED THE WORLD

OCEANA  
Protecting the World's Oceans



# MONEY NO PROBLEM



# ..... AND ROYALTIES



PRINCE ALBERT II OF MONACO  
FOUNDATION - USA



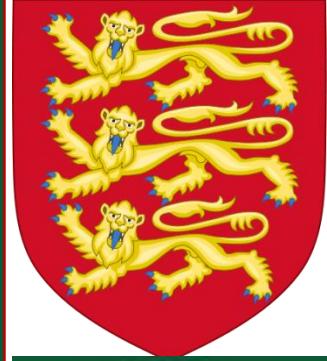
- **Members of the Board of Directors**

H.S.H. Prince Albert II de Monaco  
H.E. Bernard FAUTRIER - Monaco  
Mr. Robert CALCAGNO- Monaco  
Pr. Tim FLANNERY - Australie  
Mr. Antoine FREROT - France  
Mr. Bertrand-Pierre GALEY - France  
The Tt. Hon John GUMMER, Lord Deben - UK  
Ms Julia MARTON-LEFEVRE - France  
Ms Sunita NARAIN - Inde  
H.E.Rubens RICUPERO - Brésil  
Mr. Jean-François ROBILLON - Monaco  
Mr. Otto STEINMETZ- Allemagne  
Mr. Björn STIGSON - Suède  
Mr. Klaus TOPFER - Allemagne

- **<http://www.pa2f.org/>**



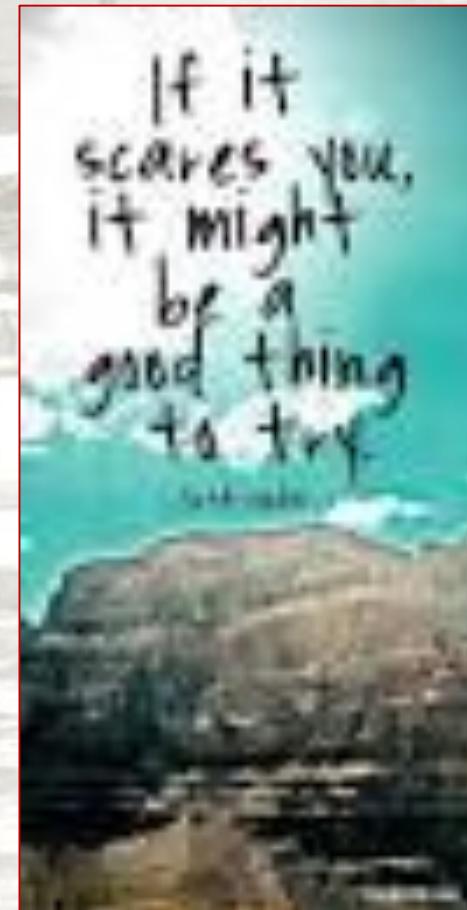
INTERNATIONAL SUSTAINABILITY UNIT



[http://www.pcfisu.org/  
marine-  
programme](http://www.pcfisu.org/marine-programme)

## = 1-2-3-4 GLOBAL CHALLENGES

- 1 Ban fishing outside 200 n.m
- 2 Ban fishing for oil/meal production
- 3 50% reduction in pelagic quotas
- 4 Stop distant fleet fishing



# ..... AND THE FISHERIES SECTOR ADDRESSES THESE CHALLENGERS .....



INSTITUTION  
FOR THE  
**Deaf & Dumb and the Blind.**

The WORK SHOPS at the Institution are in good working order, and persons desiring work can get it done on satisfactory terms.

#### THE FOLLOWING IS A LIST OF PRICES:

Shoes from \$1.50 to \$3.00, according to quality.  
Shoes, French Calf Skin, from \$3.50 to \$5.00, according to quality.

Boots, good Calf Skin, from \$6.00 to \$7.00, according to quality.

Boots, extra French Calf Skin, from \$8.00 to \$10.00.  
Mending done on reasonable terms.  
Good Double Mattress, (with 10 pounds cotton,) \$4.00.  
Good Single Mattress, (with 6 pounds cotton,) \$2.50.  
Brooms, good, 25 cents. Extra from 30 to 35 cents.  
Cane Seating from 50 cents to \$1.00.

In case of Shoe and Boots we guarantee a fit, and in all work satisfaction. Nothing but good material is used.

INSTITUTION DEAF AND DUMB AND THE BLIND.



**DEAF ALERTER**

The fire alarm system for deaf people is installed and maintained in this building

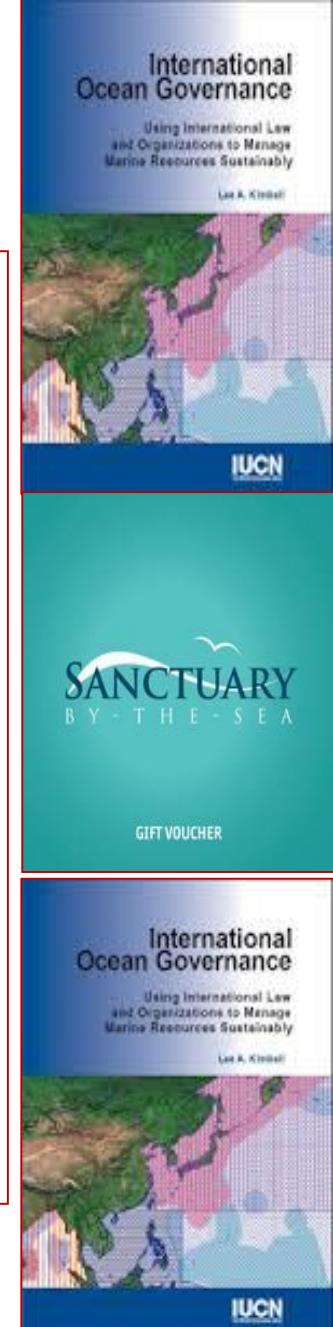
[www.deaf-alerter.com](http://www.deaf-alerter.com)



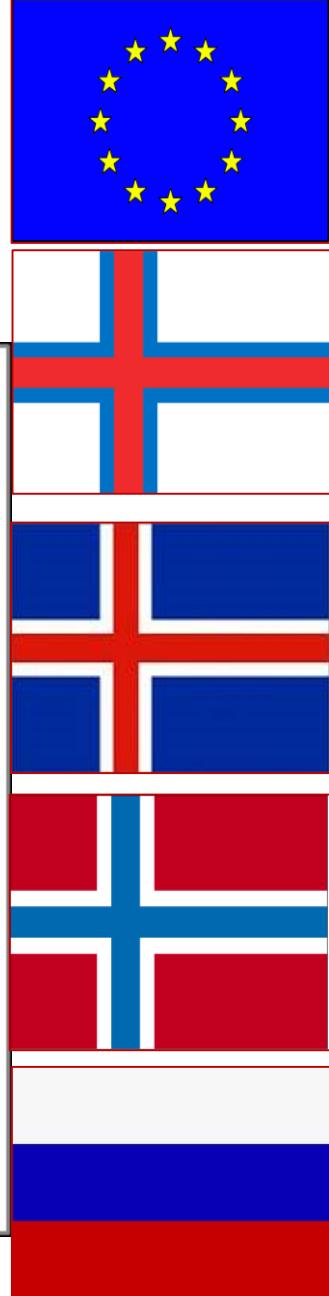
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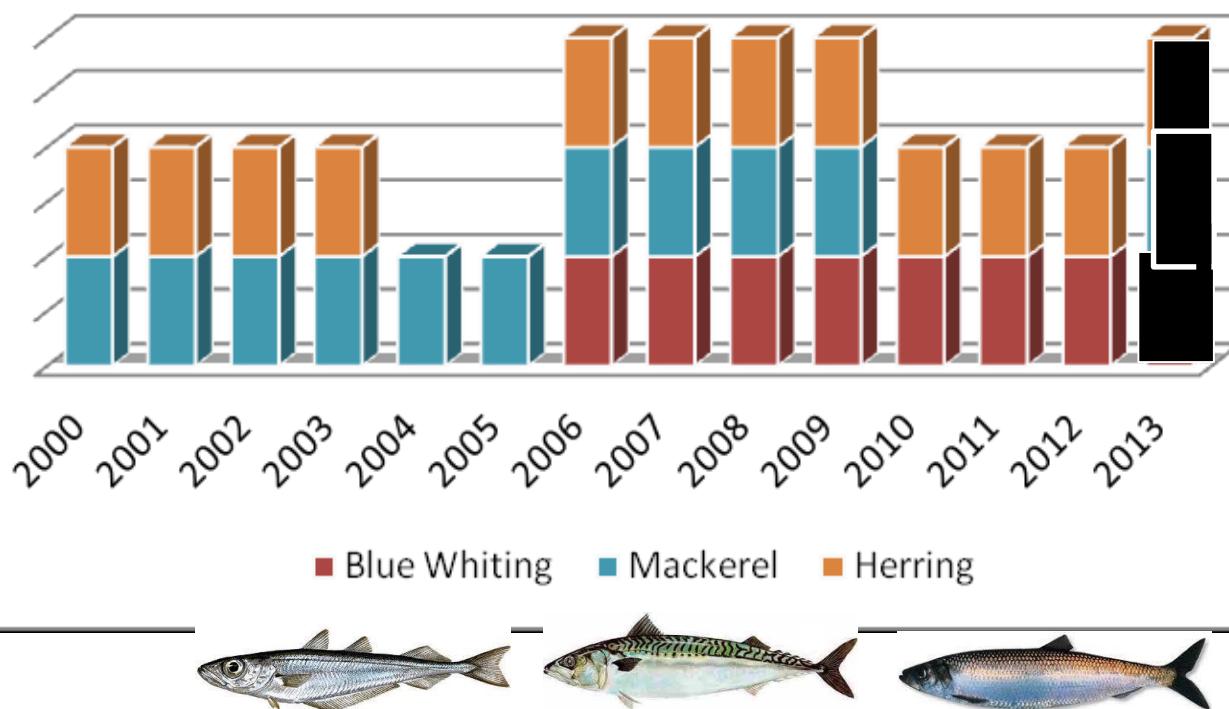
**EU Presidency Statement - Working Group on Marine Biodiversity (14 February 2006: New York)**



# THE BEST ARGUMENT



## North East Atlantic Pelagic Coastal State Agreements



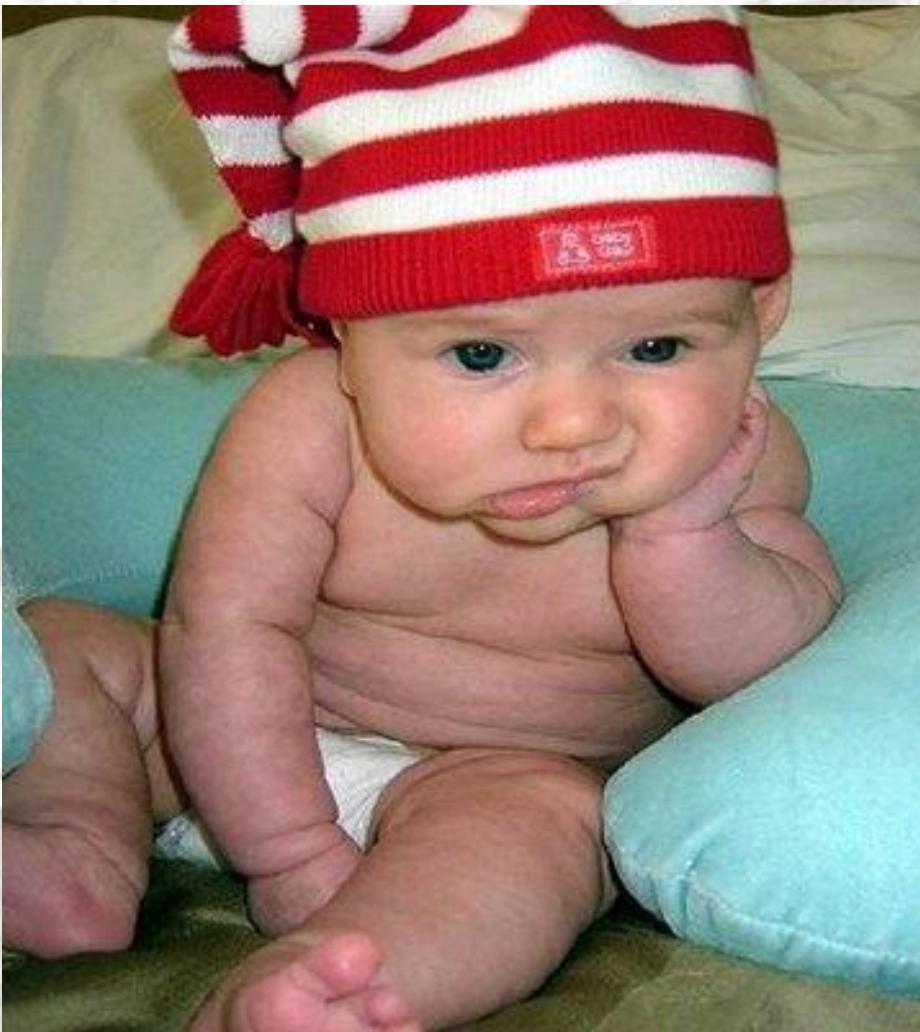
# YOUR WORST ENEMY CAN DESTROY YOU



**YOU ARE YOUR OWN WORST ENEMIES**



# STILL HOPE ?



# THE CHALLENGE



In the year **2050**,  
the world **population**  
will require

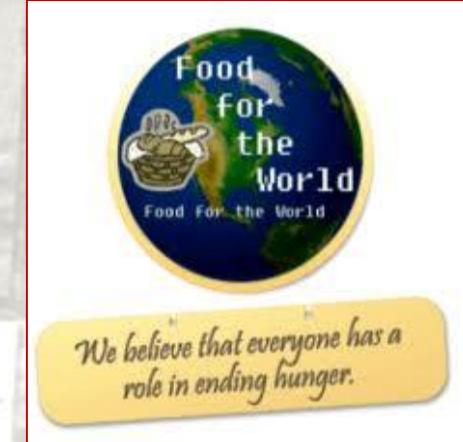
► **100%**  
more food,<sup>1</sup> and

► **70%**  
of this food must come from  
efficiency-improving **technology**<sup>2</sup>



## RIO+20 - § 113

**“We also stress the crucial role of healthy marine ecosystems, sustainable fisheries, and sustainable aquaculture for food security and nutrition, and in providing for the livelihoods of millions of people”**





**ICP (UN Informal  
consultative  
process )  
27-30 May 2014 -  
Fish and Food  
Security**



**CFS "Sustainable  
fisheries and  
aquaculture for  
food security and  
nutrition" - 13-18  
October**

**ICN 2- Second  
International  
Conference on  
Nutrition – 19-21  
November 2014**



CFS 41 – 13. -18. OCTOBER 2014

"MAKING A DIFFERENCE IN  
FOOD SECURITY AND NUTRITION"



POLICY ROUNDTABLE II  
"SUSTAINABLE FISHERIES AND AQUACULTURE  
FOR FOOD SECURITY AND NUTRITION"

Recognized the contribution of fisheries and aquaculture to food security and nutrition, as a **primary** source of protein and essential nutrients, and as a provider of income and livelihoods.

**POLICY ROUNDTABLE II**  
**“SUSTAINABLE FISHERIES AND**  
**AQUACULTURE FOR FOOD**  
**SECURITY AND NUTRITION”**

ALL THE PEOPLE  
LIKE US ARE WE,  
AND EVERYONE  
ELSE IS THEY.

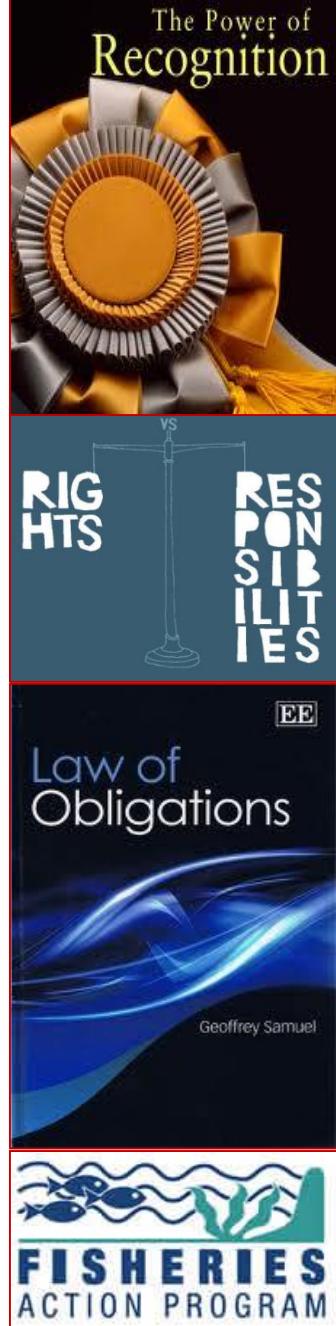


a) Give to fish the position it deserves in food security and nutrition strategies, policies and programs

h) Integrate food security and nutrition concerns into fisheries and aquaculture-related policies and programs

# THE RULES OF THE GAME

- Recognition → Rights
- Rights → Responsibilities
- Responsibilities → Obligations
- Obligations → Action



# STRENGTHENING THE ECOLOGICAL FOUNDATION OF FOOD SECURITY

*The Case for Resilient food systems in agriculture dominated landscapes*



In the year **2050**,  
the world **population**  
will require **100%** more **food**,<sup>1</sup> and  
**70%** of this food must come from  
efficiency-improving **technology**.<sup>2</sup>

**The world's food production system -- agriculture, marine fisheries, inland fisheries -- is underlain by an ecological foundation and we are undermining this foundation through land degradation, competition for land, overfishing, pollution, and in many other ways. By doing so we are threatening the long-term capability of the system to provide food.**

**The solution lies in "sustainable food systems" which include a wide range of approaches from multi-use landscape management to minimizing food waste and improving the efficiency of the food value chain**



**Fish is a top-of-the-line nutrient-dense food. It's low in fat and high in many good things.**

**Fish is a nutrient-dense food. It's a good source of protein – most varieties contain around 20 grams of protein per 3-ounce serving, the same as meat.**

**Fish is a good source of vitamin B-12.**

**Most fish are rich sources of iron.**



**Fish is healthy: easy to digest and with a high level of precious proteins, fish is considered an important part of a healthy diet. And with the so-called omega-3 fatty acids fish has an added bonus. These fatty acids -- like docosahexaeonic acid (DHA) occur mostly in fatty fish like herring, salmon and mackerel. They are thought to lower the blood pressure, to strengthen the immune system and to have positive effects on the development on the nervous system and the cardiovascular system**

# THE GLOBAL PARADOX

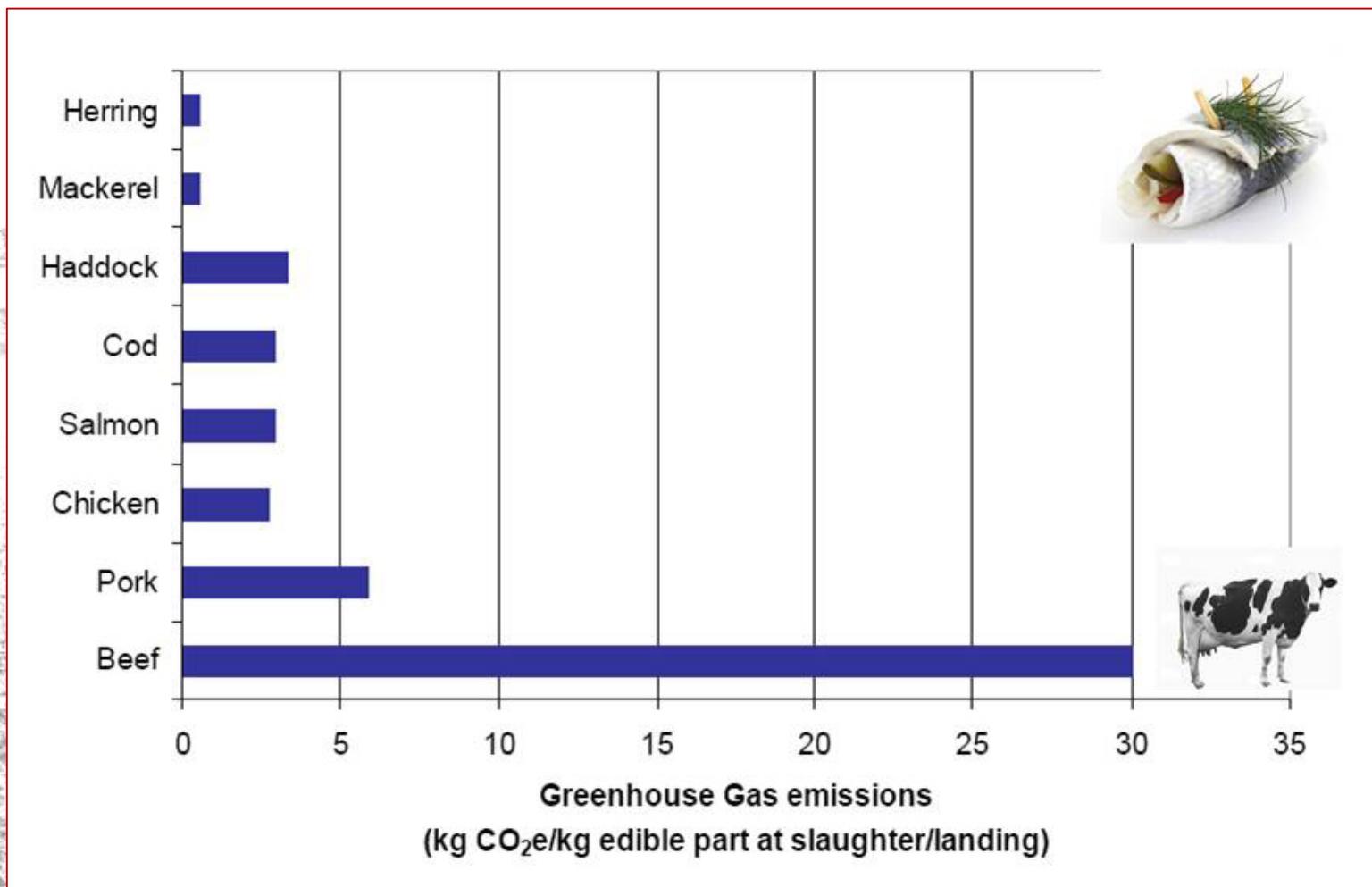
1 Billion people Worldwide are starving

1 Billion people Worldwide are obese

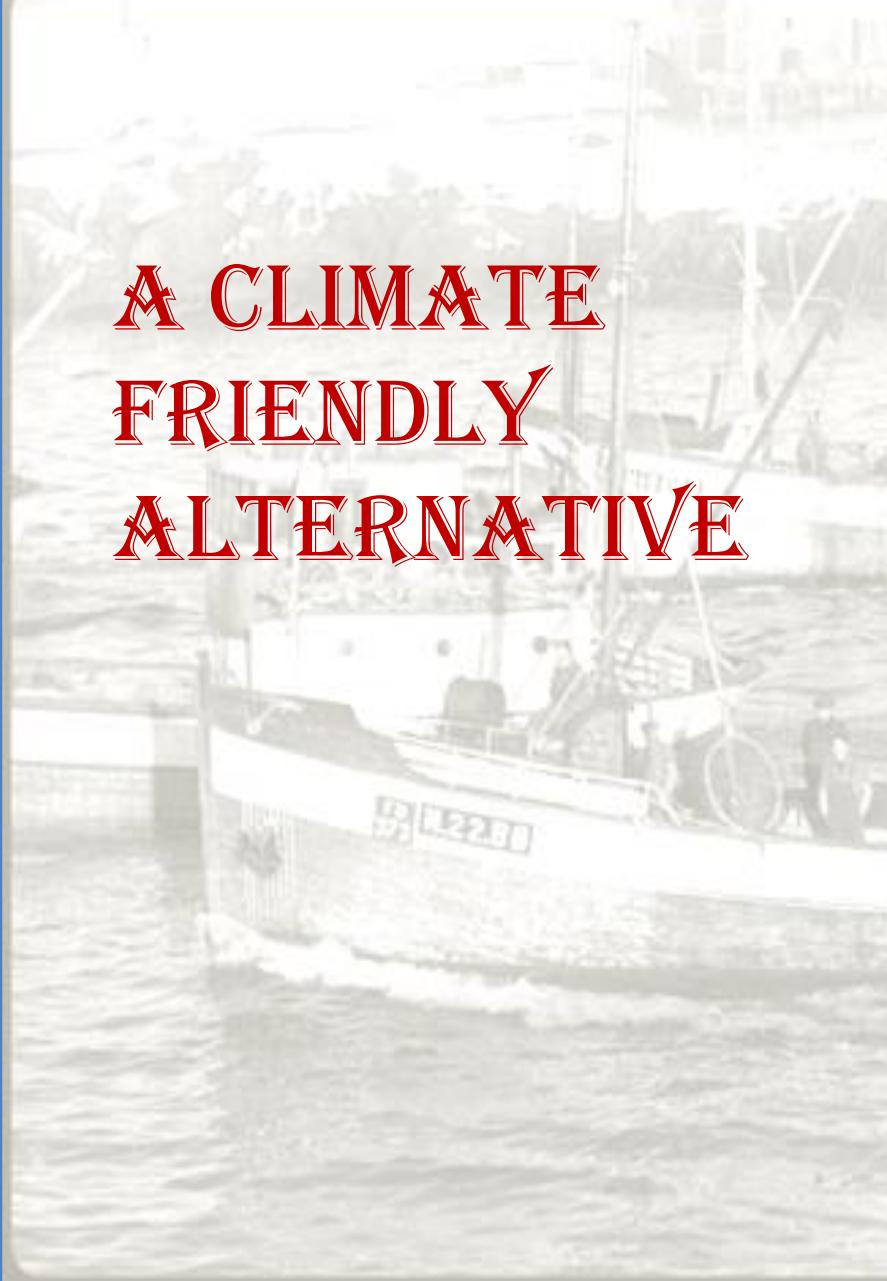
**Fish/Seafood is the remedy to both  
due to its nutritional values**



# FISH AND CLIMATE CHANGE



A CLIMATE  
FRIENDLY  
ALTERNATIVE



## The Challenge



In the year **2050**,  
the world **population**  
will require



**100%**  
more **food**,<sup>1</sup> and



**70%**  
of this food must come from  
efficiency-improving **technology**<sup>2</sup>

## Potential for increased food- production and supply

## High nutritional value

## Climate friendly







TÅKK FOR MEG