

A rather polluted sea

but on its way to recovering

Manuel Frias
Master on MSP
Seville 3-6 February 2014

HELCOM

The Baltic Sea, small or big?



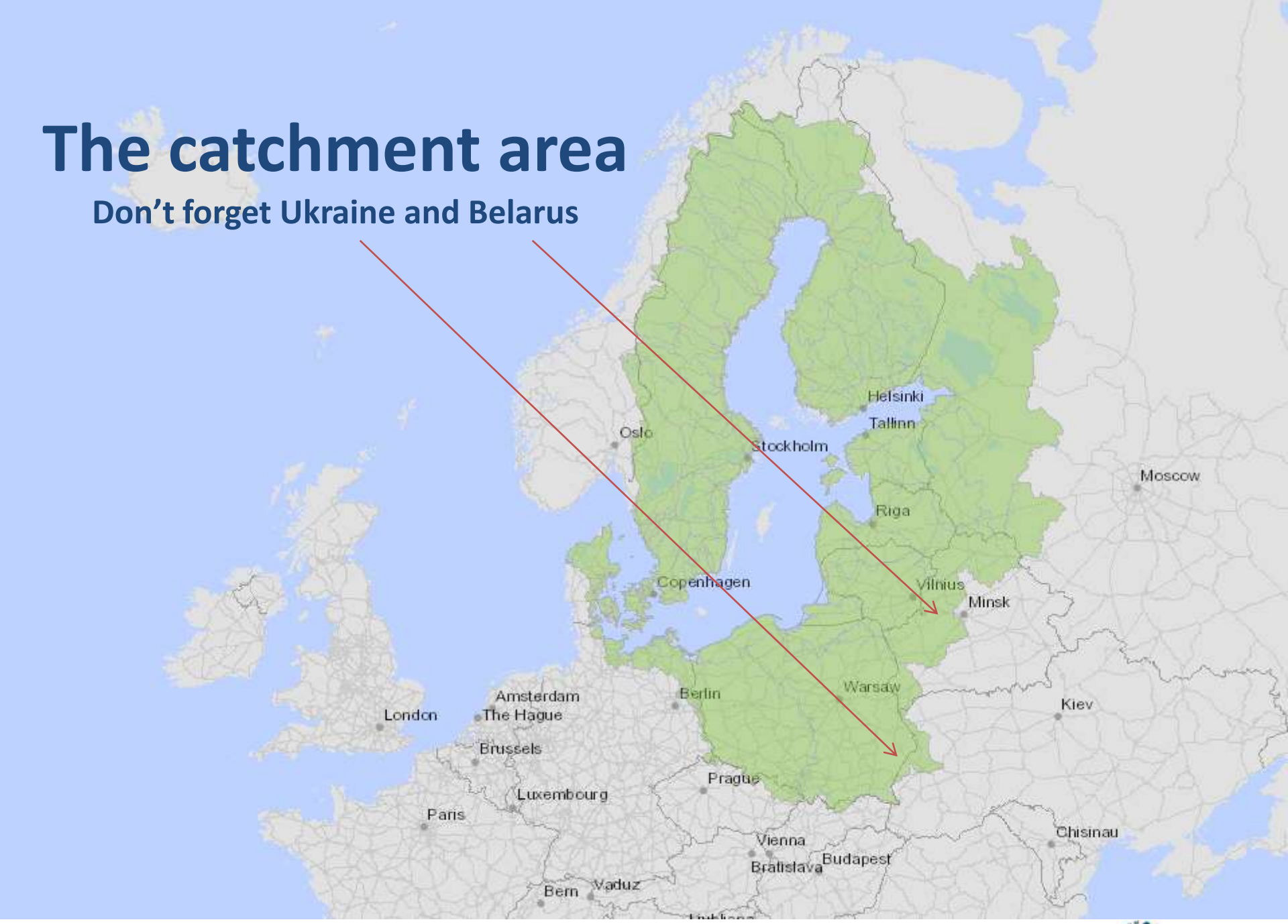
HELCOM


North Sea
United Kingdom
Ireland
Denmark
Latvia
Lithuania
Belarus
Netherlands
Poland
Belgium
Germany
Czech Rep
Slovakia
Ukrain
Austria
Moldova
Hungary
Bay of Biscay
France
Romania
Croatia
Serbia
Italy
Bulgaria
Portugal
Spain
Greece
Mediterranean Sea
Tunisia
Morocco
Algeria
Libya
Egypt
Western Sahara
Mauritania


Russia
Mongolia
China
South Korea
Japan
North Pacific Ocean
Canada
United States
Mexico
Thailand
Indonesia
Papua New Guinea
Australia
New Zealand
South Pacific Ocean
Venezuela
Colombia
Brazil
Peru
Bolivia
Chile
Argentina

The catchment area

Don’t forget Ukraine and Belarus



HELCOM

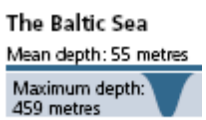

The Baltic Sea,
a beautiful place


This is a tractor driving on the frozen sea!!
Also in the winter!

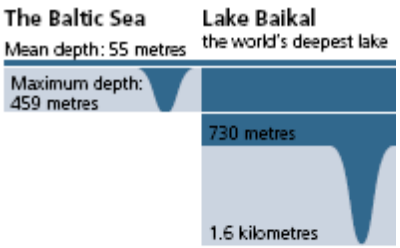
Some interesting facts

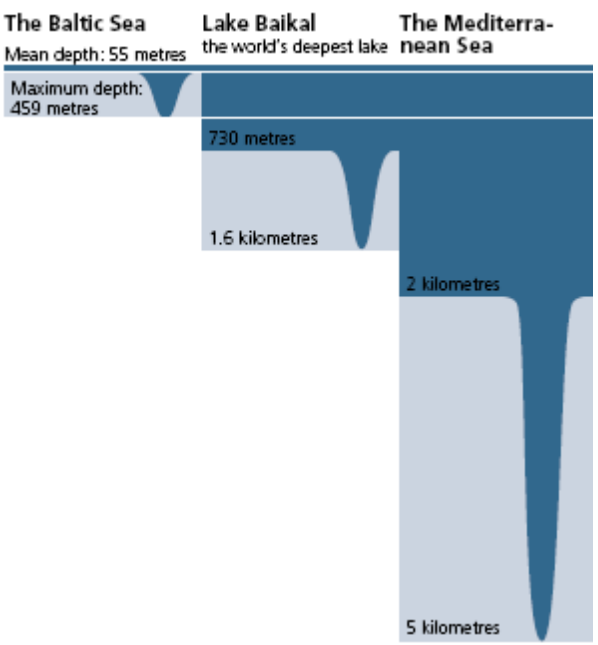
HELCOM

A shallow sea

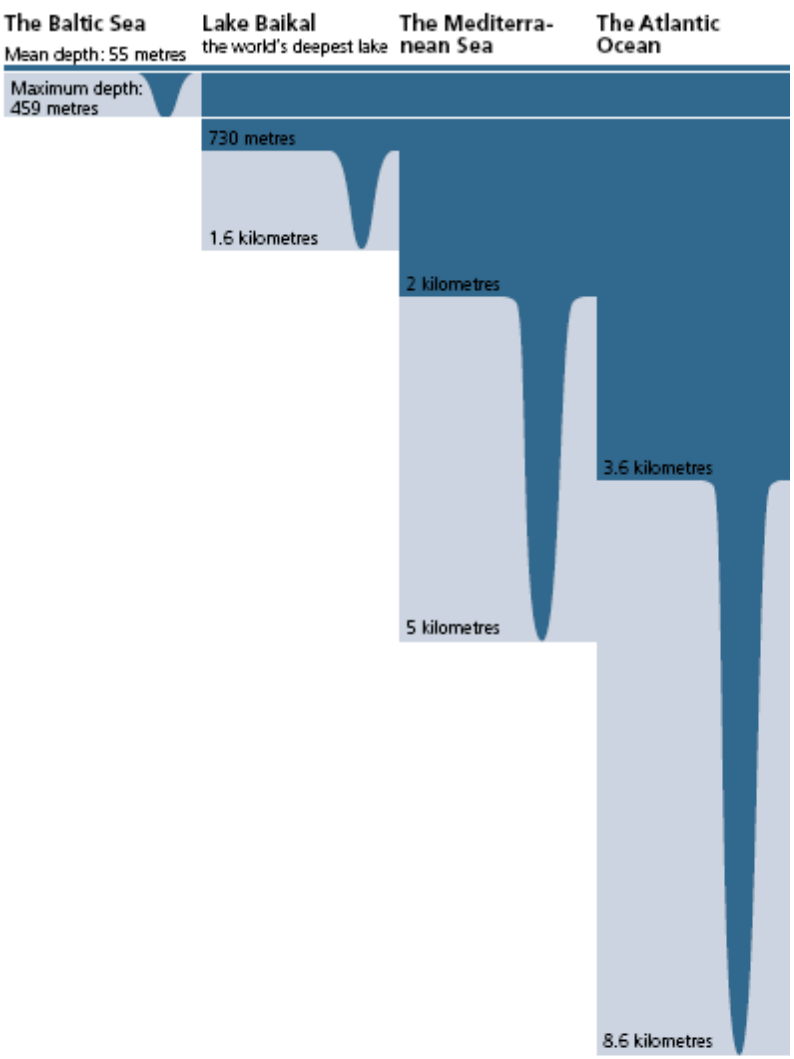


HELCOM

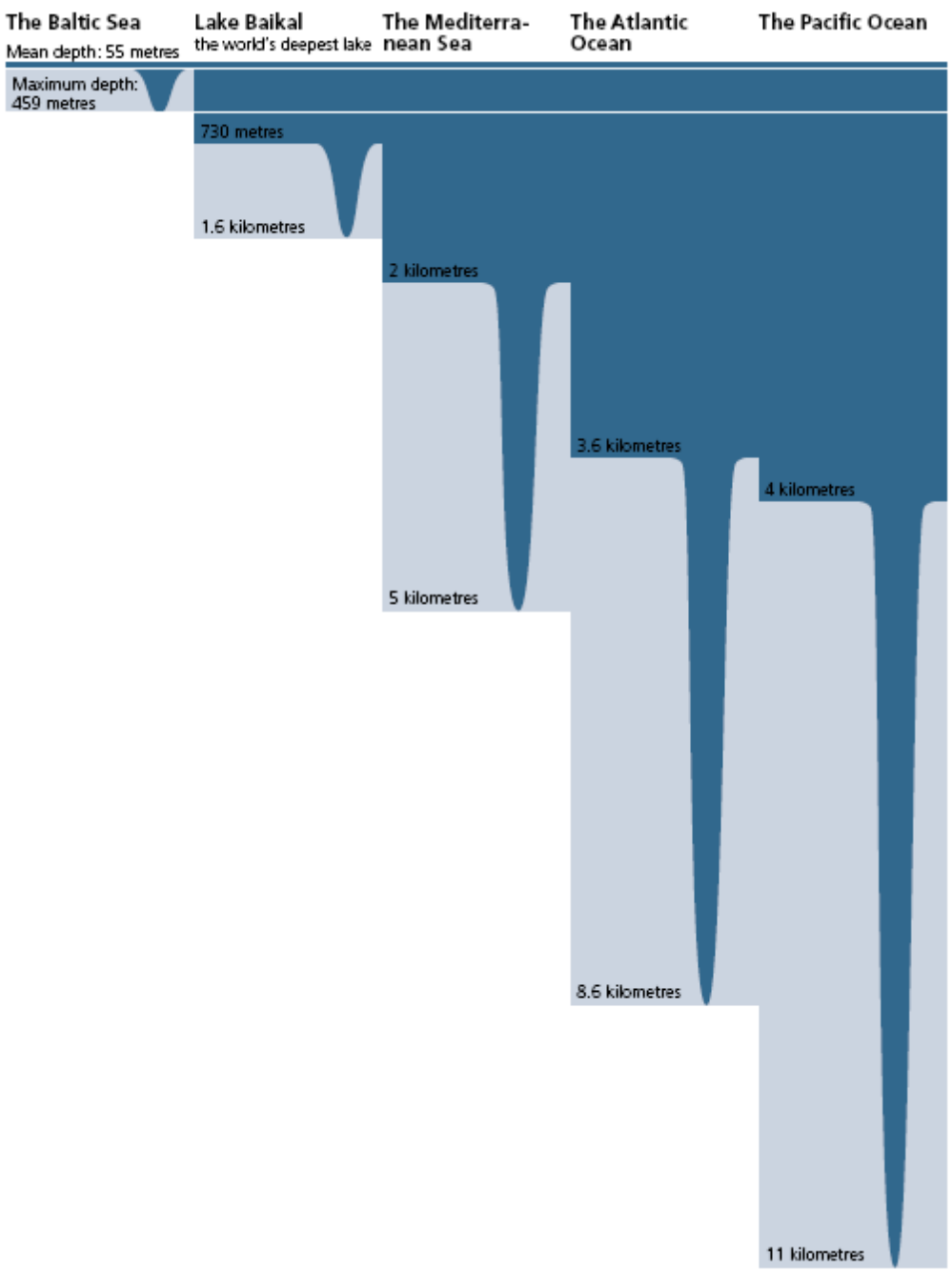

The Baltic Sea
Mean depth: 55 metres
Maximum depth:
459 metres
Lake Baikal
the world's deepest lake
730 metres
1.6 kilometres


The Baltic Sea
Mean depth: 55 metres
Maximum depth: 459 metres
Lake Baikal
the world's deepest lake
730 metres
1.6 kilometres
The Mediterra-nean Sea
2 kilometres
5 kilometres

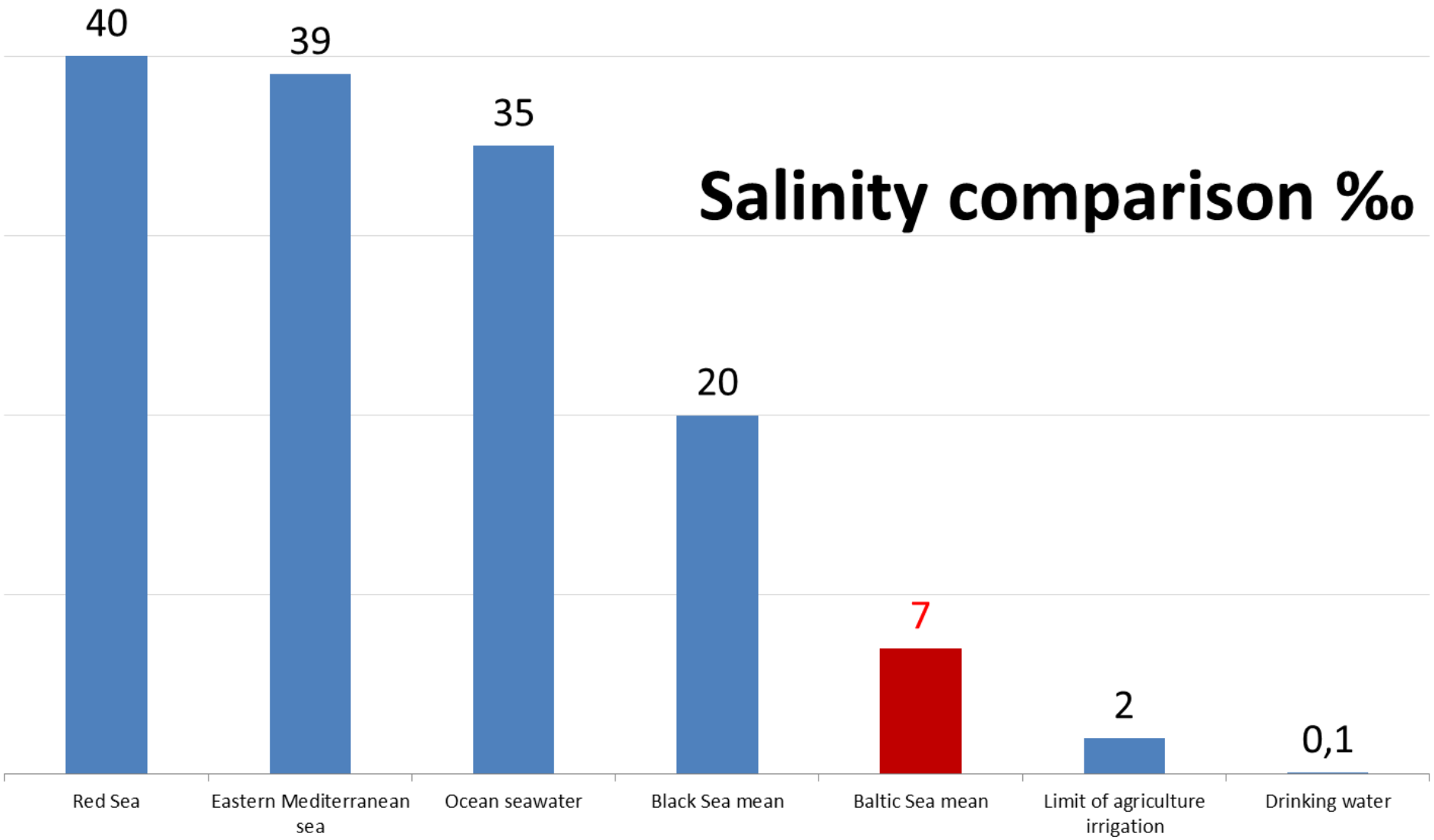
HELCOM


The Baltic Sea
Mean depth: 55 metres
Maximum depth: 459 metres
Lake Baikal
the world's deepest lake
730 metres
1.6 kilometres
The Mediterra-nean Sea
2 kilometres
5 kilometres
The Atlantic Ocean
3.6 kilometres
8.6 kilometres

HELCOM


The Baltic Sea
Mean depth: 55 metres
Maximum depth: 459 metres
Lake Baikal
the world's deepest lake
730 metres
1.6 kilometres
The Mediterra-nean Sea
2 kilometres
5 kilometres
The Atlantic Ocean
3.6 kilometres
8.6 kilometres
The Pacific Ocean
4 kilometres
11 kilometres

HELCOM

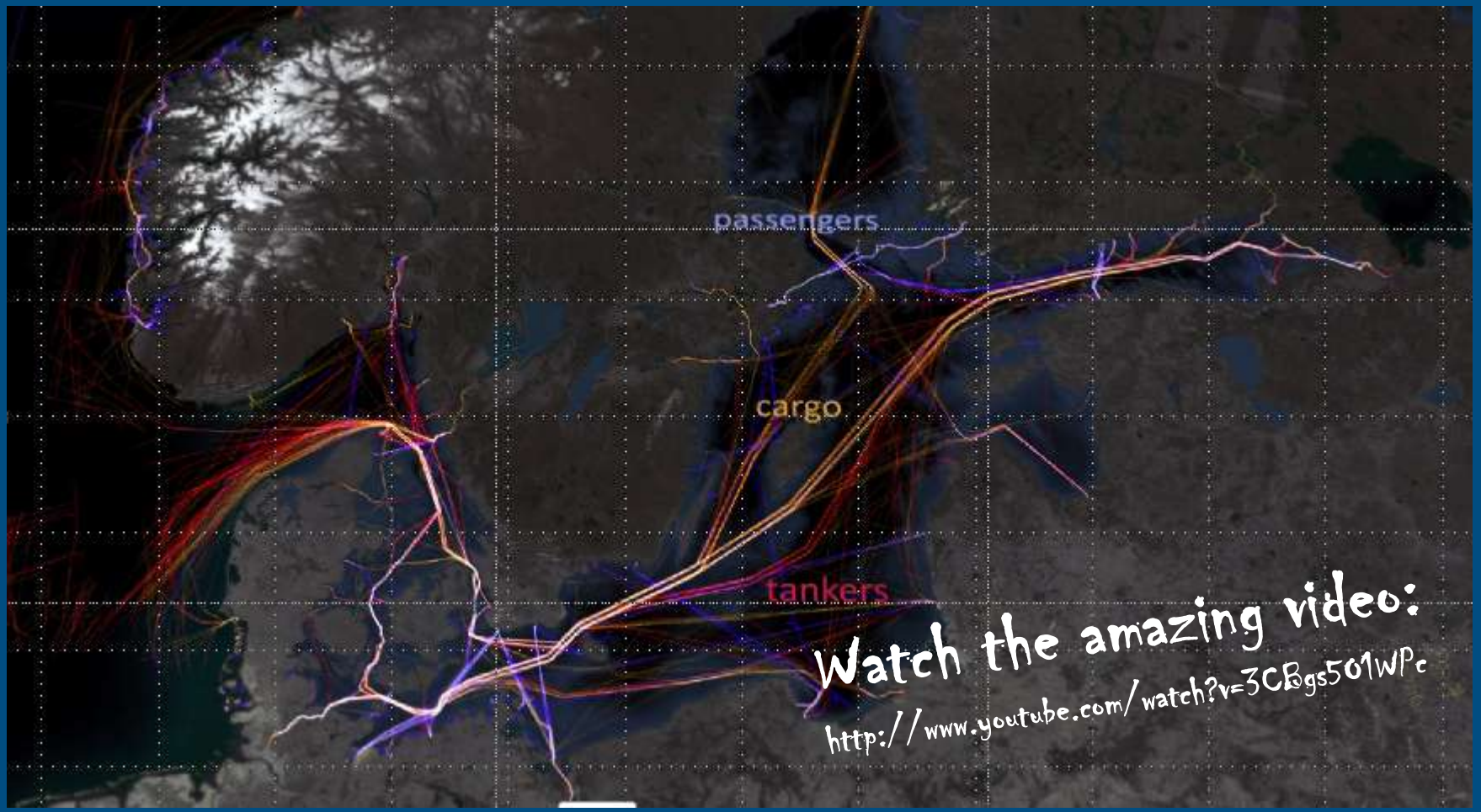

Salinity comparison ‰
40
39
35
20
7
2
0,1
Red Sea
Eastern Mediterranean sea
Ocean seawater
Black Sea mean
Baltic Sea mean
Limit of agriculture irrigation
Drinking water


Eutrophication:
the biggest problem



HELCOM

One of the most trafficked seas in the world

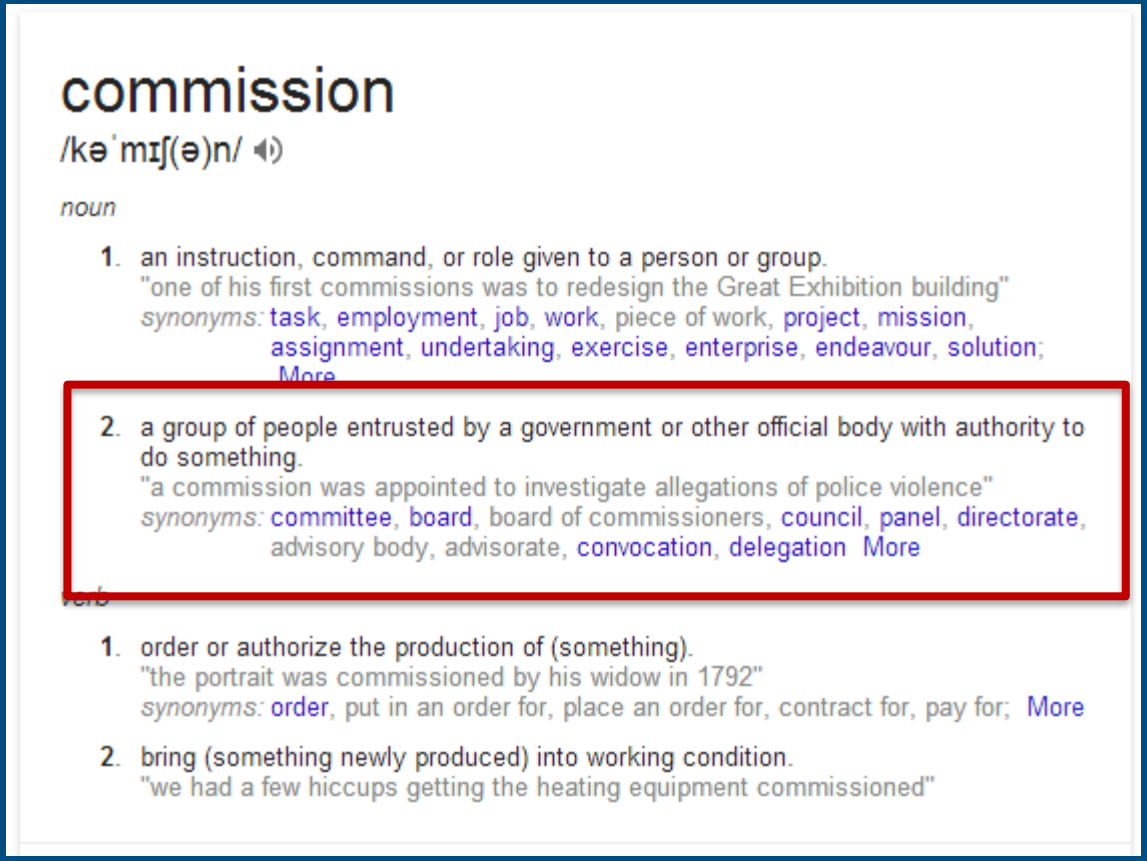




And now: what is HELCOM?

HELCOM = Helsinki Commission

Baltic Marine Environment Protection Commission



commission

/kəˈmɪʃ(ə)n/

noun

1. an instruction, command, or role given to a person or group.
   "one of his first commissions was to redesign the Great Exhibition building"
   synonyms: task, employment, job, work, piece of work, project, mission, assignment, undertaking, exercise, enterprise, endeavour, solution; More

2. a group of people entrusted by a government or other official body with authority to do something.
   "a commission was appointed to investigate allegations of police violence"
   synonyms: committee, board, board of commissioners, council, panel, directorate, advisory body, advisorate, convocation, delegation More

verb

1. order or authorize the production of (something).
   "the portrait was commissioned by his widow in 1792"
   synonyms: order, put in an order for, place an order for, contract for, pay for; More

2. bring (something newly produced) into working condition.
   "we had a few hiccups getting the heating equipment commissioned"

Vision

Healthy Baltic Sea

Main goals

Eutrophication



Hazardous Substances



Biodiversity



Maritime activities



Objectives

- Nutrients at natural levels
- Clear water
- Natural levels of algae blooms
- Natural distribution and occurence of plants and animals
- Natural oxygen levels

- hazardous substances at natural levels
- Fish safe to eat
- Healthy wildlife
- Radioactivity at pre-Chernobil levels

- Natural landscape and seascape
- Thriving and balanced plants and animals
- Viable population of species

- No illegal pollution
- Safe maritime activities without accidental pollution
- Efficient response capacity
- Minimun seawage pollution
- No introduction of alien species
- Minimun air pollution
- Zero discharges from offshore platforms
- Minimum threat from offshore installations

HELCOM

Vision

Healthy Baltic Sea

Main goals

Eutrophication



- Nutrients at natural levels
- Natural distribution and abundance of plants and animals
- Natural oxygen levels

Hazardous Substances



- Healthy wildlife
- Radioactivity at pre-Chernobil levels

Biodiversity



- Thriving and balanced plants and animals
- Viable population of species

Maritime activities

- No illegal pollution
- Safe maritime activities without accidental pollution
- Efficient response capacity
- Minimum seawage pollution
- No introduction of alien species
- Minimum air pollution
- Zero discharges from offshore platforms
- Minimum threat from offshore installations

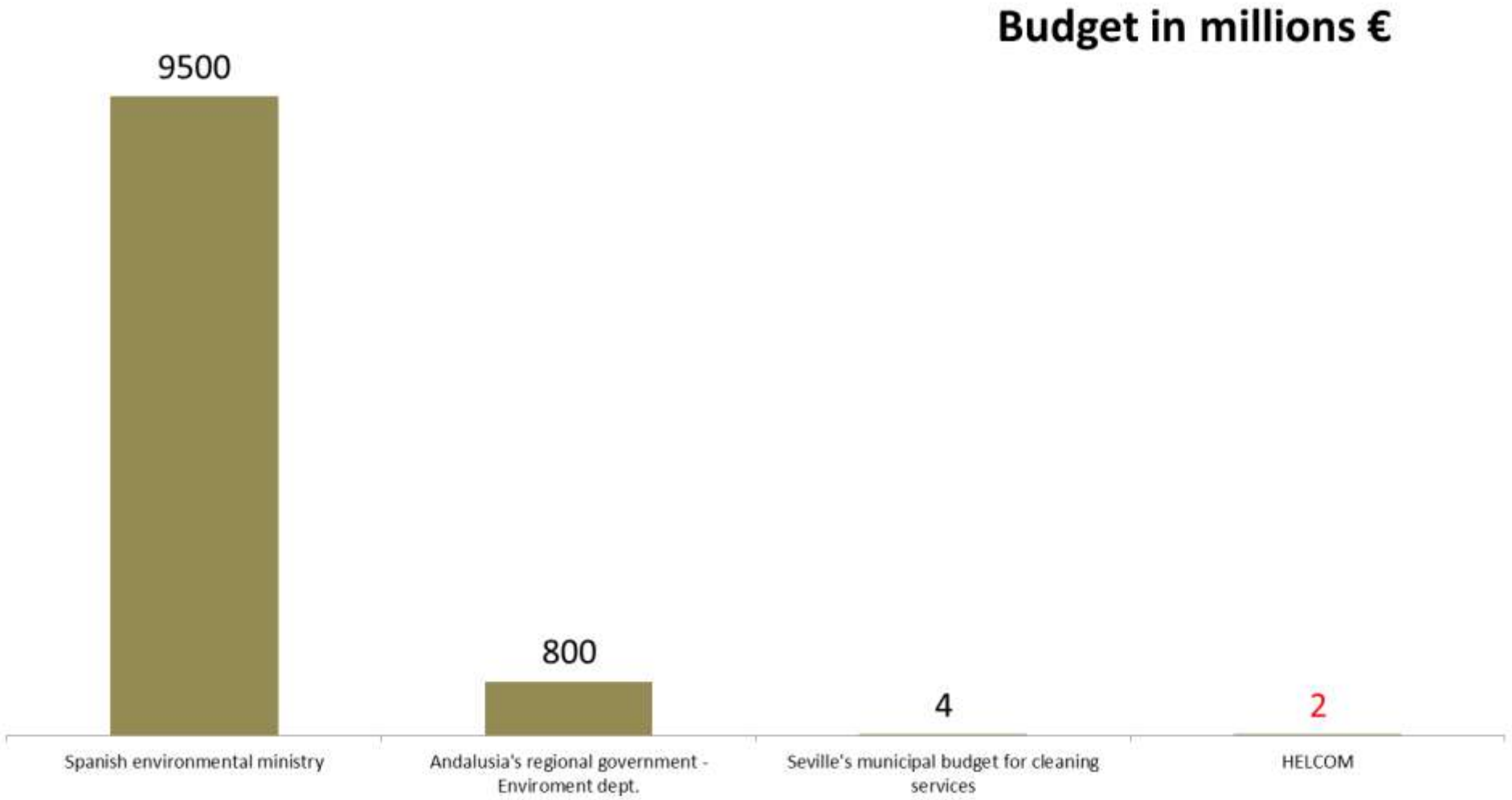
BY 2021!

HELCOM

HELCOM ≠ HELCOM Secretariat



Budget: 2 million €/year



HELCOM

How?

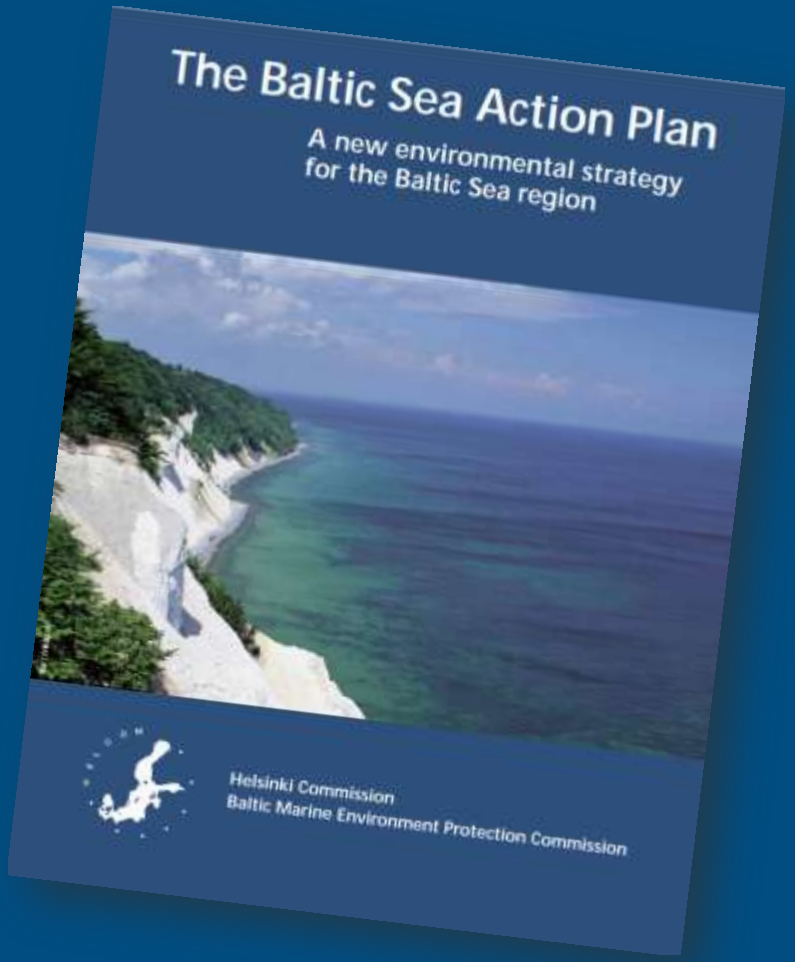
Baltic Sea Action Plan

The ”constitution” of the Baltic Sea



John Linwood

HELCOM

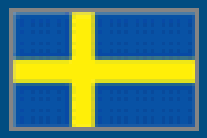


”...achieve a Baltic Sea in
good environmental status by 2021”

HELCOM

Who decides?

The "bosses"







Heads of Delegation







HELCOM



And the environmental ministers

HELCOM

Six groups to tackle all issues

Maritime Response Land MONAS Habitat GEAR








Maritime Response Land MONAS Habitat GEAR








Three platforms for dialogue

Fisheries and environmental forum



Agricultural and environmental forum



HELCOM-VASAB MSP Group





Why does HELCOM exist?

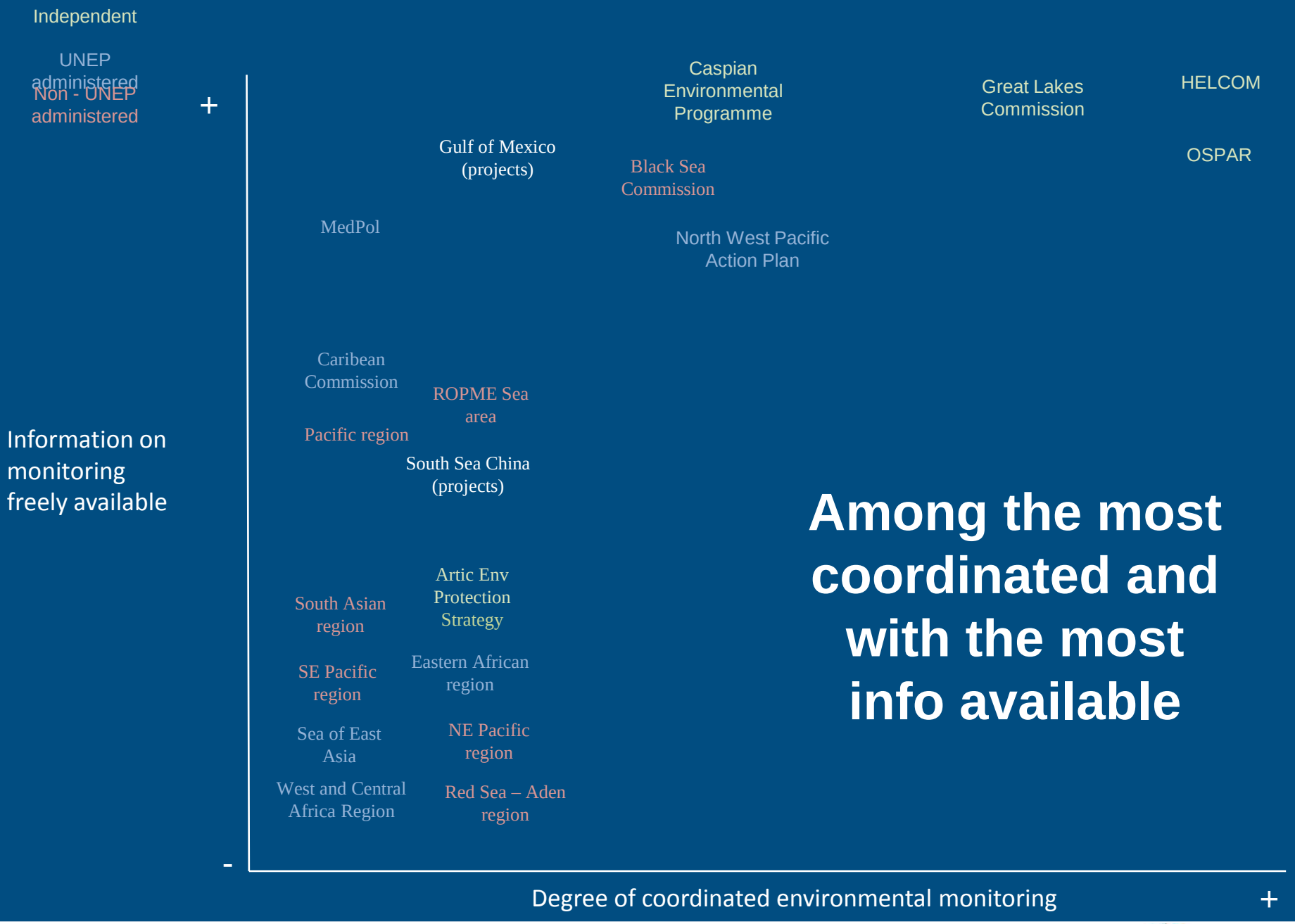
HELCOM

Come sloser and we'll have a look at the

INFOGRAPHIC

HELCOM

How many similar organizations do you know?


Independent
UNEP administered
Non - UNEP administered
+
-
Information on monitoring freely available
Caspian Environmental Programme
Great Lakes Commission
HELCOM
OSPAR
Gulf of Mexico (projects)
Black Sea Commission
MedPol
North West Pacific Action Plan
Caribean Commission
ROPME Sea area
Pacific region
South Sea China (projects)
Artic Env Protection Strategy
South Asian region
Eastern African region
SE Pacific region
Sea of East Asia
NE Pacific region
West and Central Africa Region
Red Sea – Aden region
Among the most coordinated and with the most info available
Degree of coordinated environmental monitoring
+

Now, LET'S THINK!!

We'll make a practical exercise

Want to know more?

www.helcom.fi

HELCOM