IMAGINE THE RESULT

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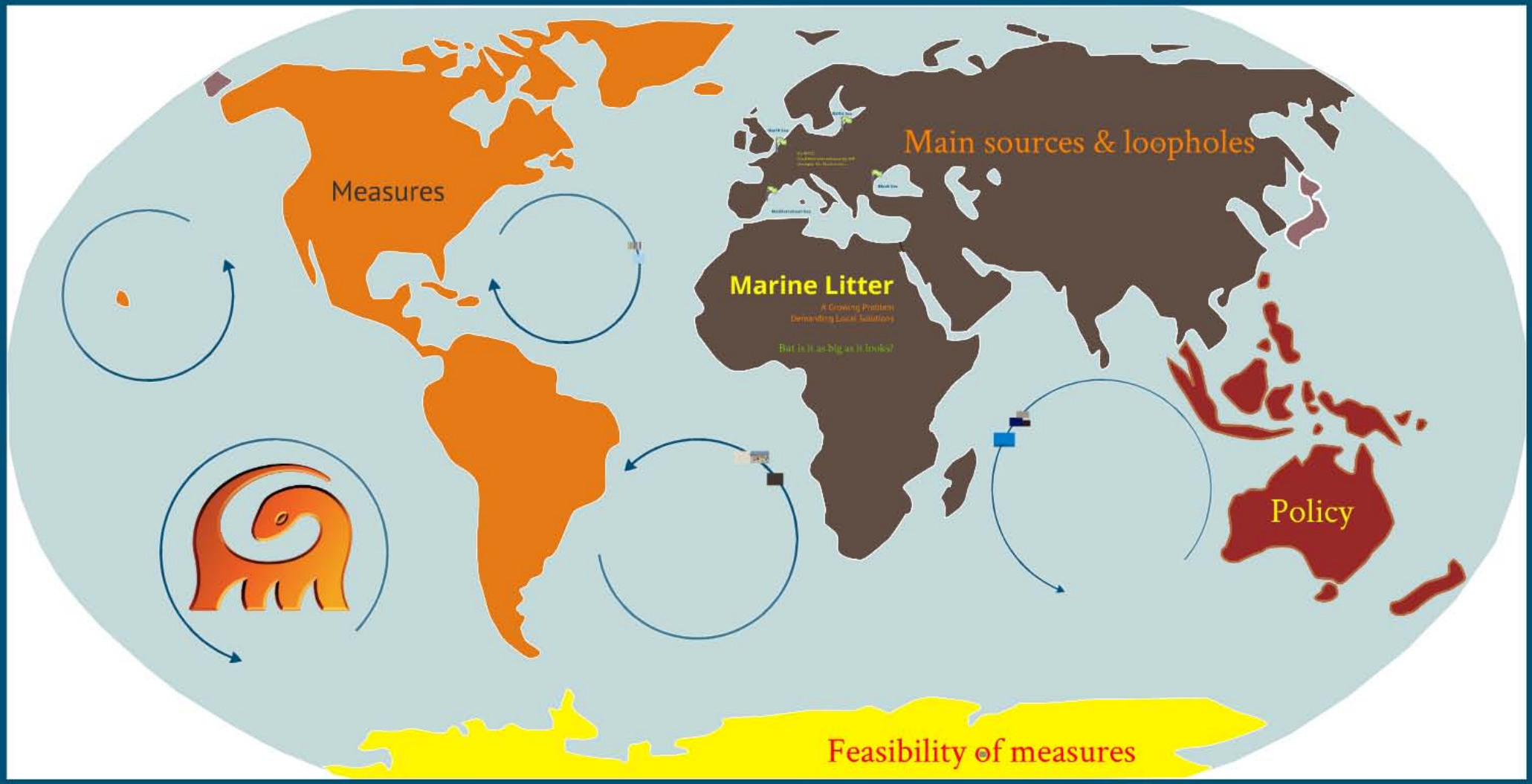
Prezi

Marine Litter

A Growing Problem
Demanding Local Solutions

But is it as big as it looks?

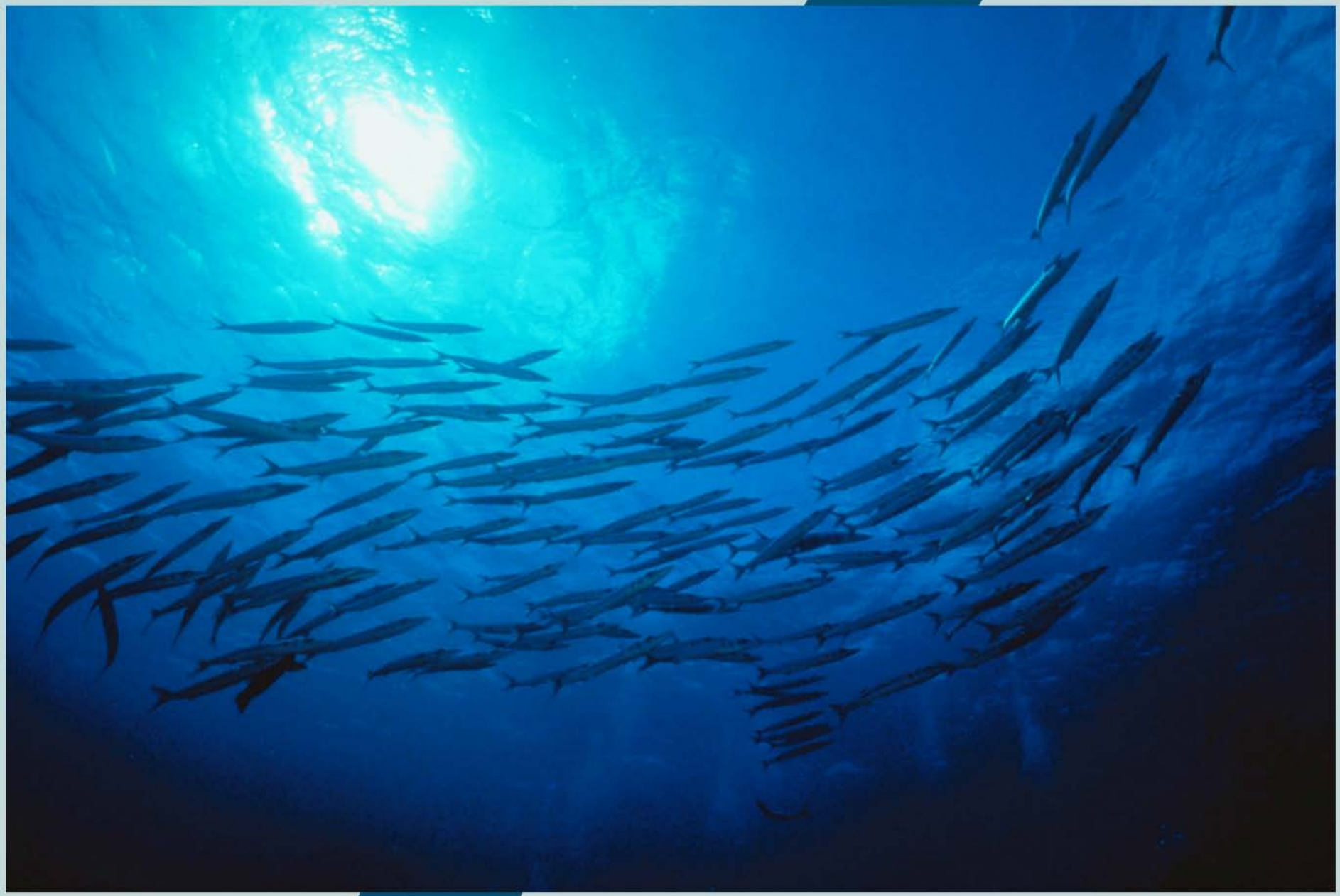
Prezi


Measures
Main sources & loopholes
Marine Litter
A Growing Problem
Demanding Local Solutions
But is it as big as it looks?
Policy
Feasibility of measures

Prezi

Prezi

Prezi



Prezi

Baltic Sea
North Sea
EU MSFD
Good Environmental status by 2020
Descriptor 10 - Marine Litter ...
Black Sea
Mediterranean Sea

EU MSFD
Good Environmental status by 2020
Descriptor 10 - Marine Litter ...

Prezi

Plastic bags & bottles

Prezi

Marine littering

Prezi

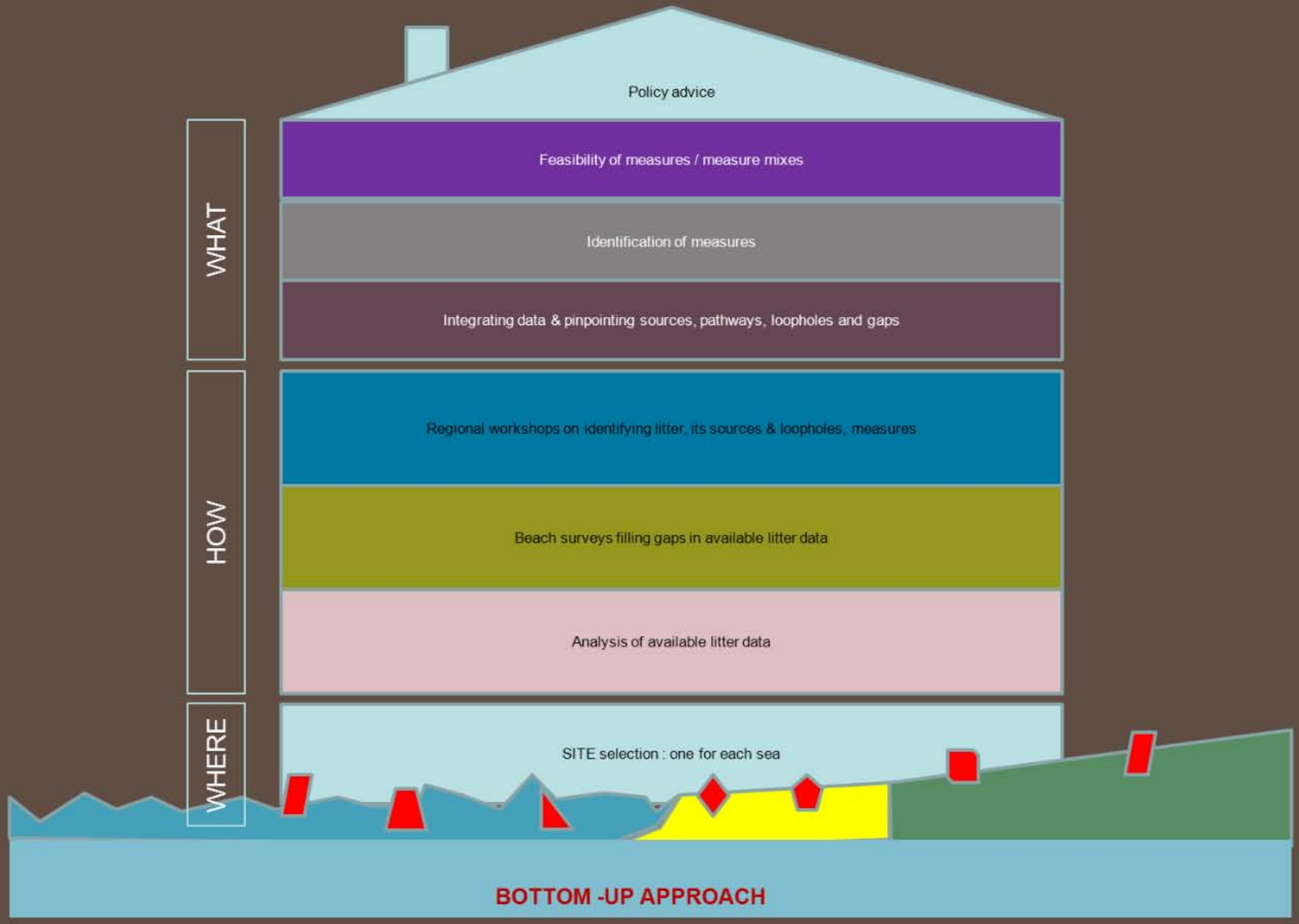
WHERE

WHAT

HOW

4 Seas

Prezi


Policy advice
WHAT
Feasibility of measures / measure mixes
Identification of measures
Integrating data & pinpointing sources, pathways, loopholes and gaps
HOW
Regional workshops on identifying litter, its sources & loopholes, measures
Beach surveys filling gaps in available litter data
Analysis of available litter data
WHERE
SITE selection : one for each sea
BOTTOM -UP APPROACH

Prezi

Main sources & loopholes

Common findings

Plastic as Dominant Fraction (50-75%)

Top ML items (#): crisps/sweets packaging, plastic bags

Tourism & recreational activities play crucial role (35%-55%)

Problem of individual behaviour & lack of social control

Prezi

Plastic as Dominant Fraction (50-75%)

Top ML items (#): crisps/sweets packaging, plastic bags

Tourism & recreational activities play crucial role (35%-55%)

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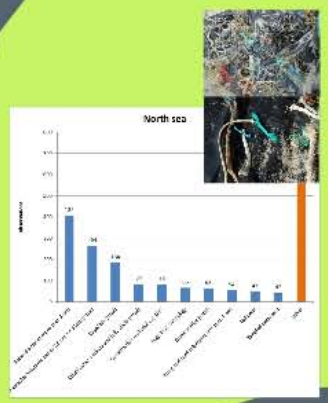
Prezi

Baltic Sea
North Sea
EU MSFD
Good Environmental status by 2020
Descriptor 10 - Marine Litter ...
Black Sea
Mediterranean Sea

Oostende



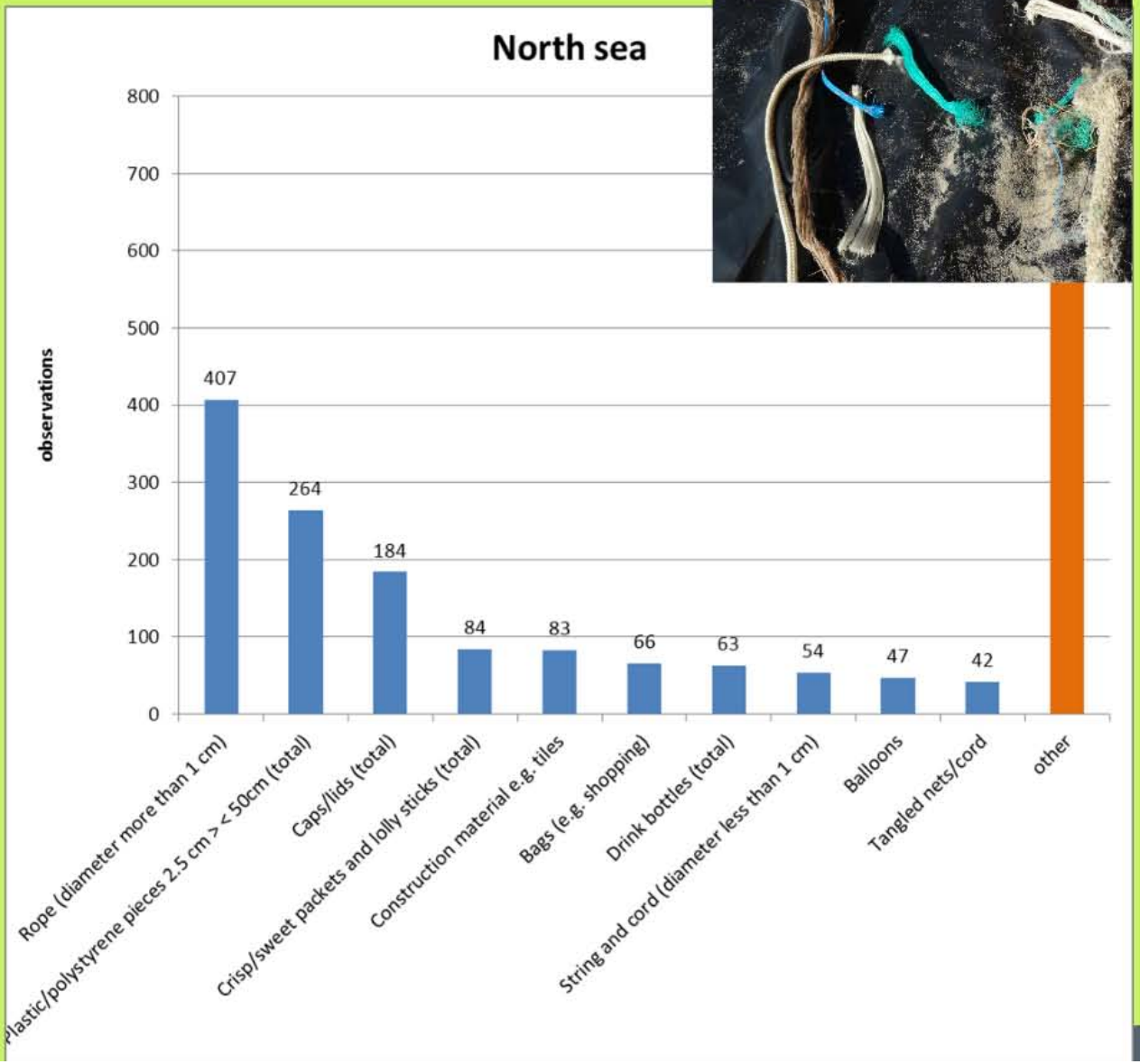
Examples of proposed measures:

* Awareness raising on marine litter for shipping, fishing and recreational sectors

* Provide deposit-refund system for fishing gear

* Stronger (financial) incentive to deliver ship-generated waste at the port reception facilities and to discourage dumping at sea; can be a penalty or reward system

Prezi


North sea
observations
800
700
600
500
400
300
200
100
0
407
264
184
84
83
66
63
54
47
42
Rope (diameter more than 1 cm)
Plastic/polystyrene pieces 2.5 cm > < 50cm (total)
Caps/lids (total)
Crisp/sweet packets and lolly sticks (total)
Construction material e.g. tiles
Bags (e.g. shopping)
Drink bottles (total)
String and cord (diameter less than 1 cm)
Balloons
Tangled nets/cord
other

Examples of proposed measures:

* Awareness raising on marine litter for shipping, fishing and recreational sectors

* Provide deposit-refund system for fishing gear

* Stronger (financial) incentive to deliver ship-generated waste at the port reception facilities and to discourage dumping at sea; can be a penalty or reward system

Prezi

Barcelona

Examples of proposed measures:

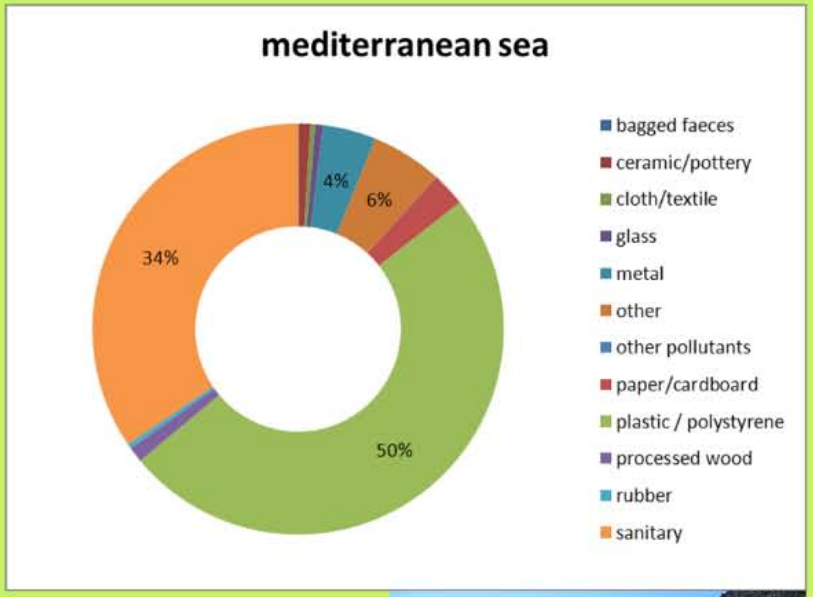
* Maintenance of river beds, rieras (in dry periods) & cleaning sewage system

* Public awareness to avoid flushing through the toilet

* Provide adequate waste receptacles in beach areas

* Tourist tax

Prezi


mediterranean sea
4%
6%
34%
50%
bagged faeces
ceramic/pottery
cloth/textile
glass
metal
other
other pollutants
paper/cardboard
plastic / polystyrene
processed wood
rubber
sanitary

Examples of proposed measures:

* Maintenance of river beds, rieras (in dry periods) & cleaning sewage system

* Public awareness to avoid flushing through the toilet

* Provide adequate waste receptacles in beach areas

* Tourist tax

Prezi

Riga

Examples of proposed measures

* Better regulation/guidance for cargo transports (shipping to avoid waste losses

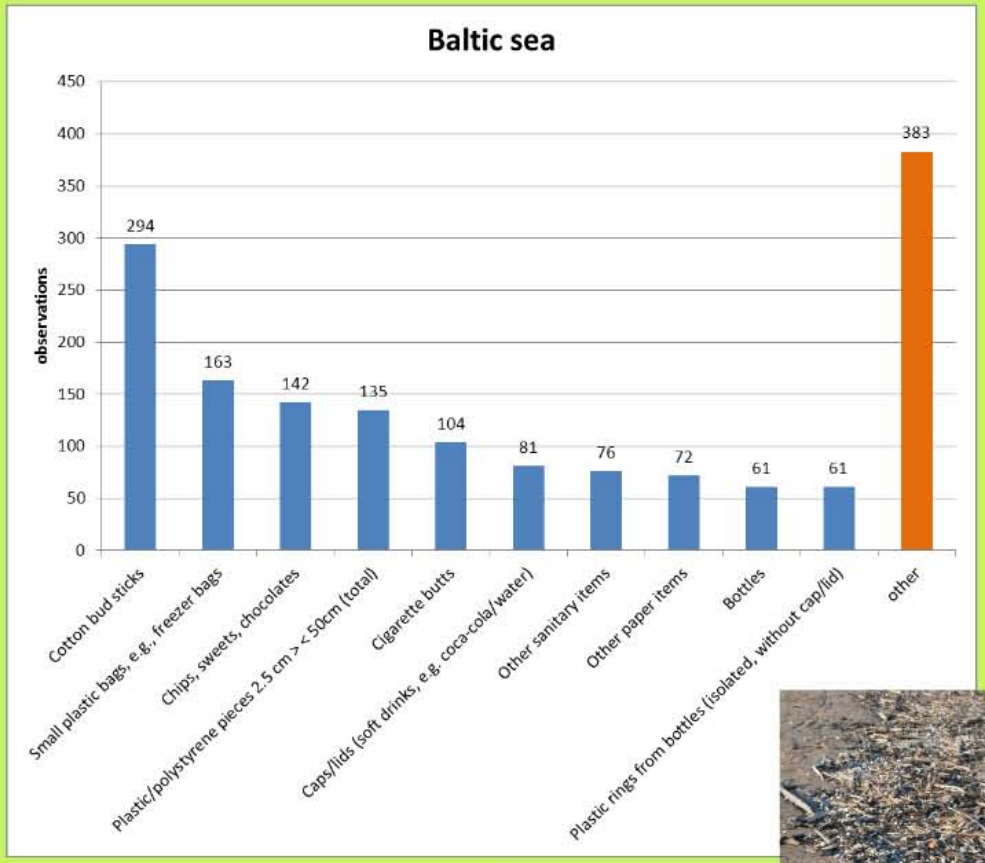
* Provide deposit refund systems for metal cans, plastic bottles, glass

* Establish or improve EPR systems for PPPs

* Public awareness campaigns about sanitary waste

* Tourist tax

Prezi


Baltic sea
observations
450
400
350
300
250
200
150
100
50
0
294
163
142
135
104
81
76
72
61
61
383
Cotton bud sticks
Small plastic bags, e.g., freezer bags
Chips, sweets, chocolates
Plastic/polystyrene pieces 2.5 cm > < 50cm (total)
Cigarette butts
Caps/lids (soft drinks, e.g. coca-cola/water)
Other sanitary items
Other paper items
Bottles
Plastic rings from bottles (isolated, without cap/lid)
other

Prezi

Examples of proposed measures:

* Better regulations/guidance for cargo transports (shipping) to avoid waste losses.

* Provide deposit refund systems for metal cans, plastic bottles, glass.

* Establish or improve EPR systems for PPPs

* Public awareness campaigns about sanitary waste

* Tourist tax

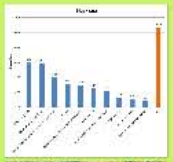
Prezi

Constanta

EU Directives and other law:

* Marine Strategy Directive
* Water Framework Directive
* Packaging Directive
* Landfill Directive

* MARPOL Annex V



Examples of proposed measures:

* Identify and close non-compliant landfills and illegal dump sites close to the coast

* Enforcement of technical requirements of the Landfill Directive close to the coast

* Deposit refund systems for plastic bags and bottles

* Public awareness

* Tourist tax

Prezi

EU Directives and other law:

* Marine Strategy Directive
* Water Framework Directive
* Packaging Directive
* Landfill Directive

* MARPOL Annex V

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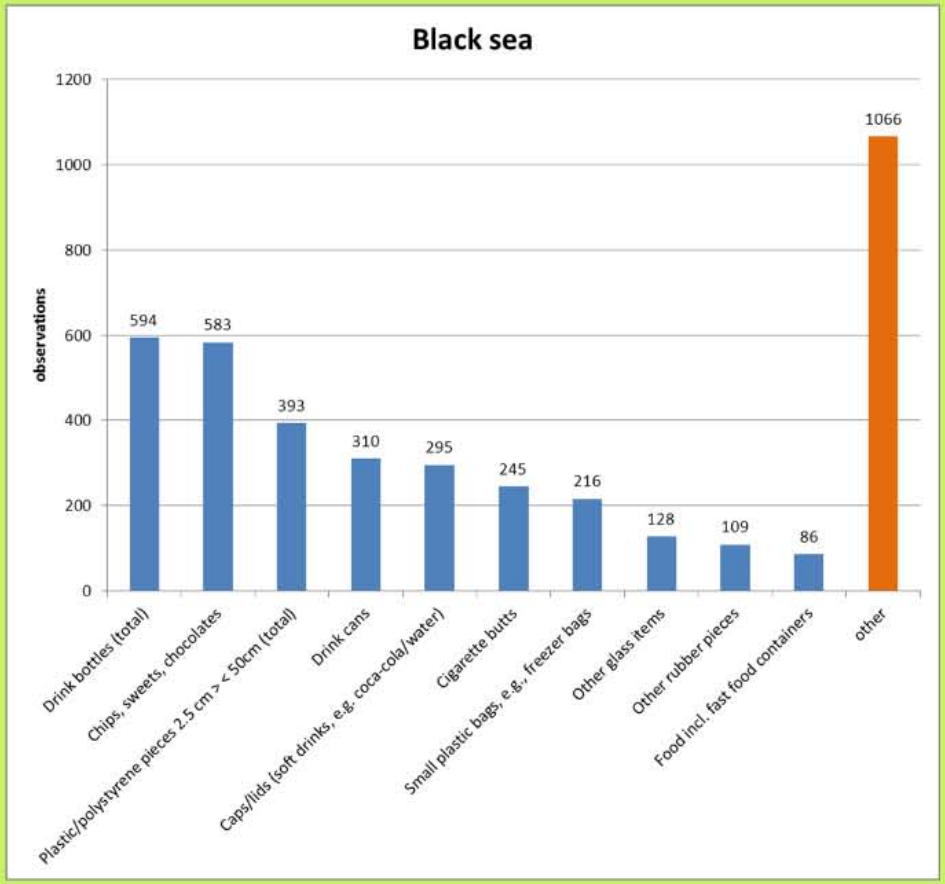

Black sea
observations
1200
1000
800
600
400
200
0
594
583
393
310
295
245
216
128
109
86
1066
Drink bottles (total)
Chips, sweets, chocolates
Plastic/polystyrene pieces 2.5 cm > < 50cm (total)
Drink cans
Caps/lids (soft drinks, e.g. coca-cola/water)
Cigarette butts
Small plastic bags, e.g., freezer bags
Other glass items
Other rubber pieces
Food incl. fast food containers
other

Examples of proposed measures:

* Identify and close non-compliant landfills and illegal dump sites close to the coast

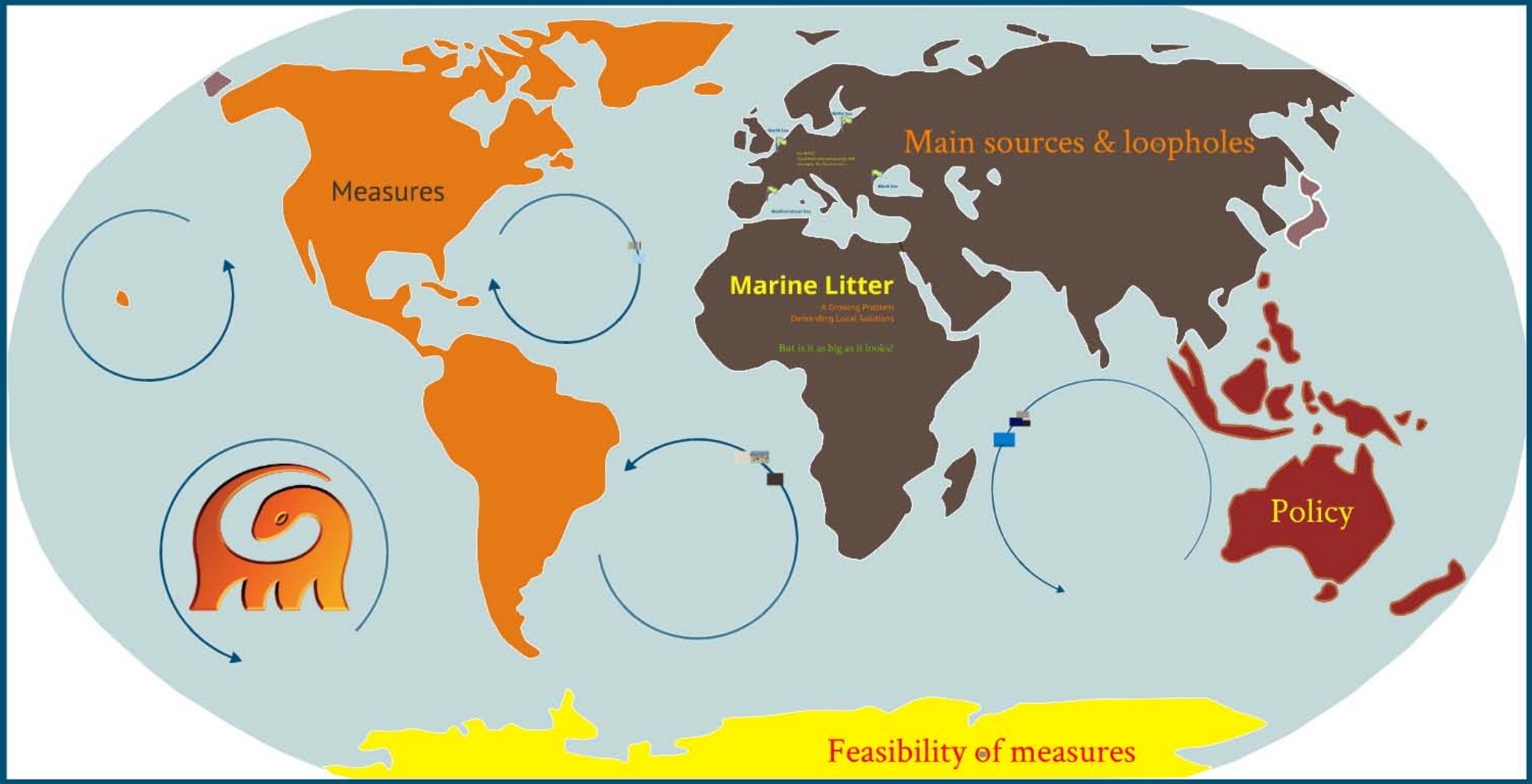
* Enforcement of technical requirements of the Landfill Directive close to the coast

* Deposit refund systems for plastic bags and bottles

* Public awareness

* Tourist tax

Prezi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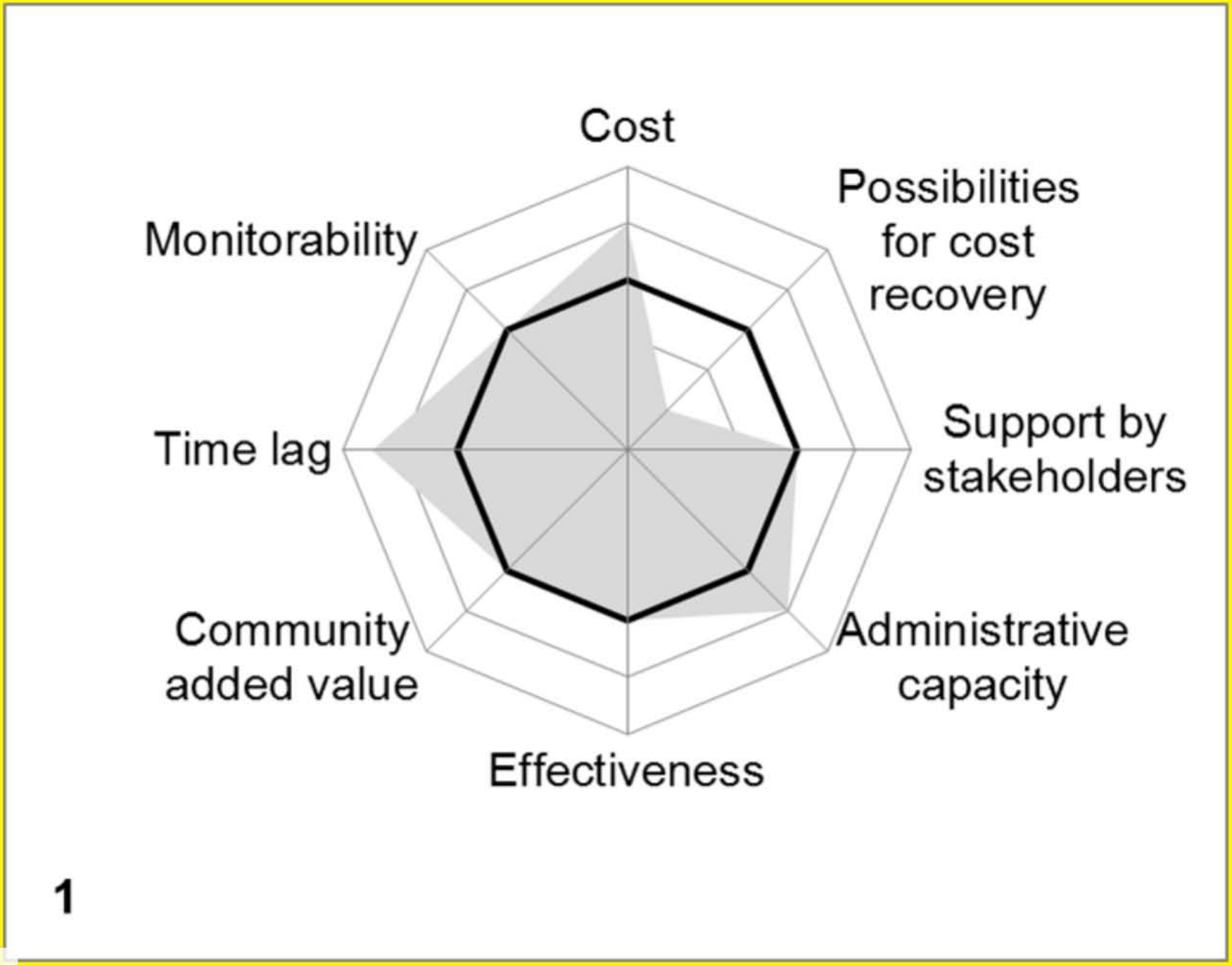
Cost
Possibilities for cost recovery
Support by stakeholders
Administrative capacity
Effectiveness
Community added value
Time lag
Monitorability

1

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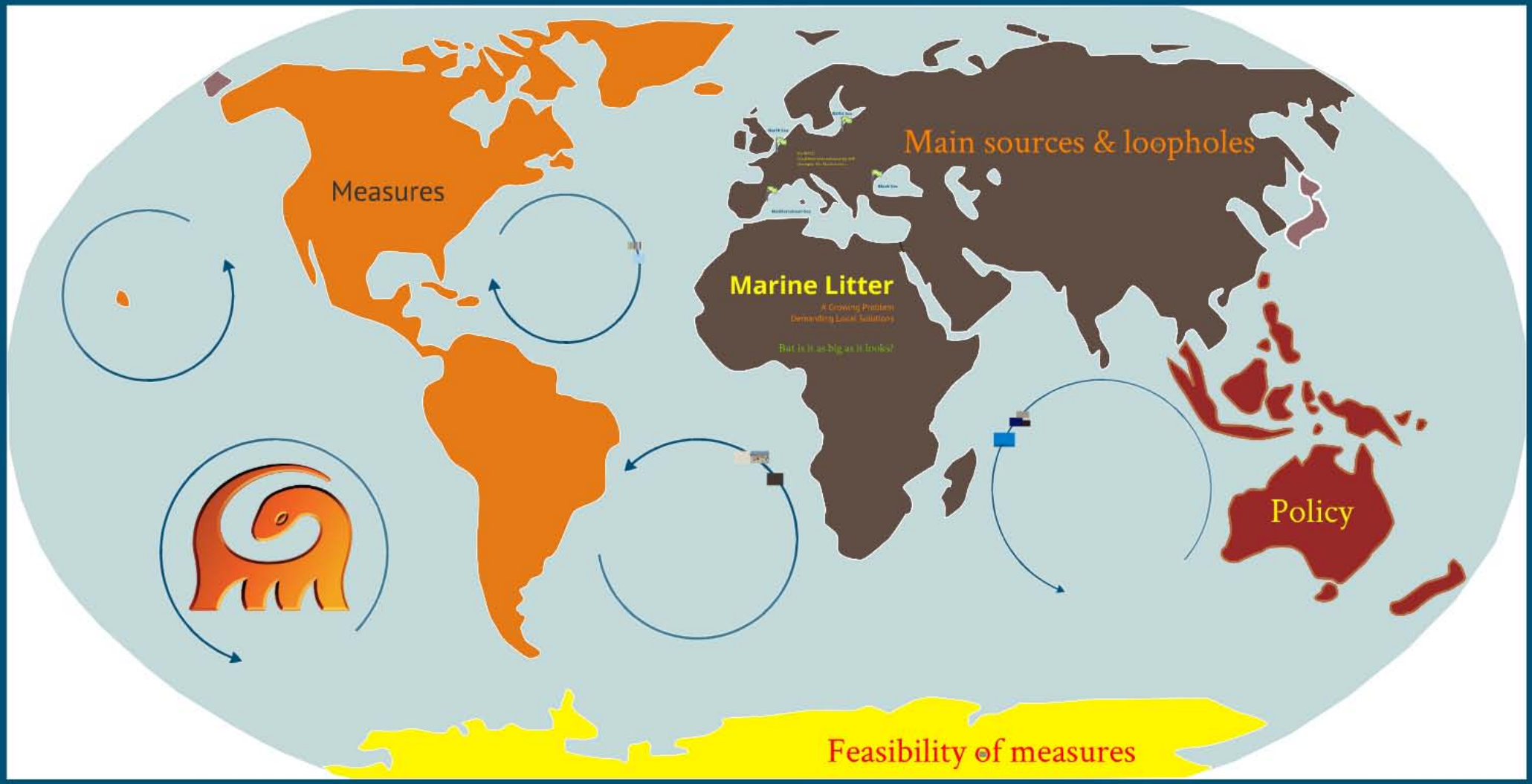
COST
BENEFIT
Reduced cleaning costs
Reduced loss of fishing time
Improved ecosystem services
Increased attractiveness
Jobs

Prezi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EU Harmonized monitoring system

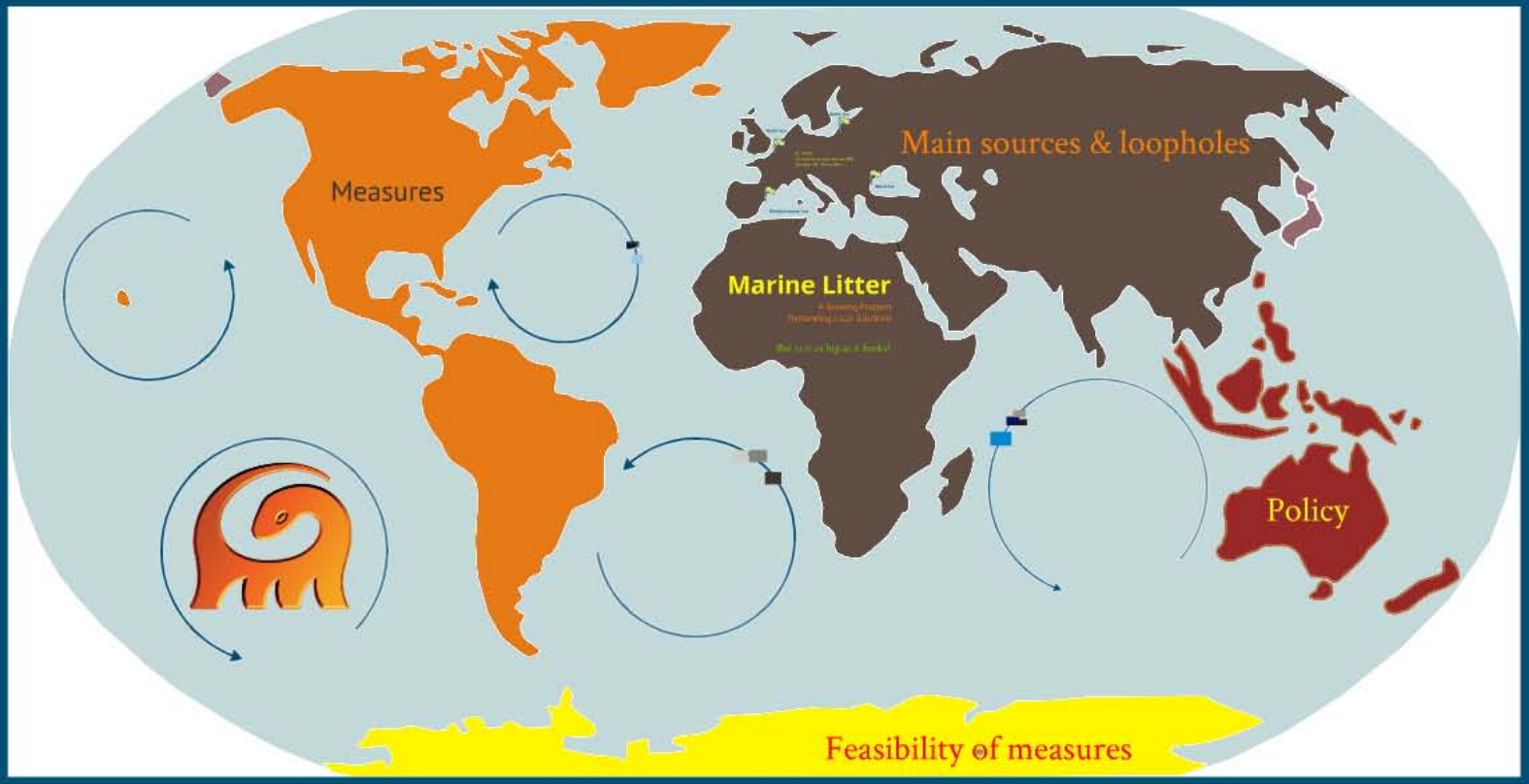
How

What

EU Directives

EU Financial support

Prezi



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