



This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 770504. Further information is available at www.pericles-heritage.eu.



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Linking monetary and non-monetary valuation to promote sustainable governance of the EU fisheries as cultural heritage

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At European Parliament, Brussels
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Marine Ecosystems
Research Programme



Marine Ecosystems
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Ecosystem services

<http://marine-ecosystems.org.uk/Home>

Understanding **conflicts, trade-offs and synergies** between different ecosystem services and values:

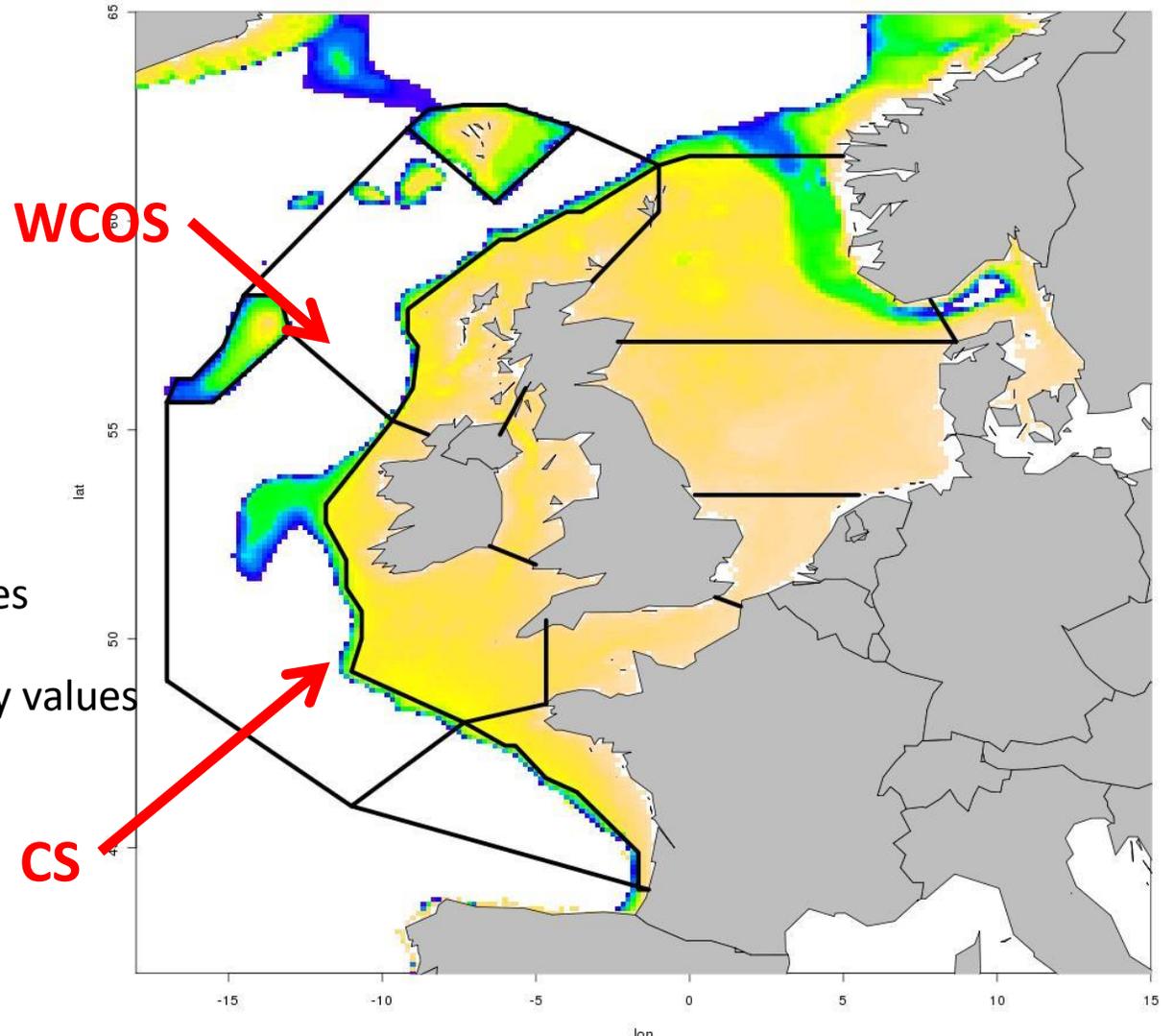
- Fisheries
- Aquaculture
- Seaweed
- Tourism, leisure and recreation
- Wildlife conservation
- Cultural services

Use values

Non use values

Non monetary values

Integrated valuation: Integrating ecological, economic, cultural and deliberative approaches;

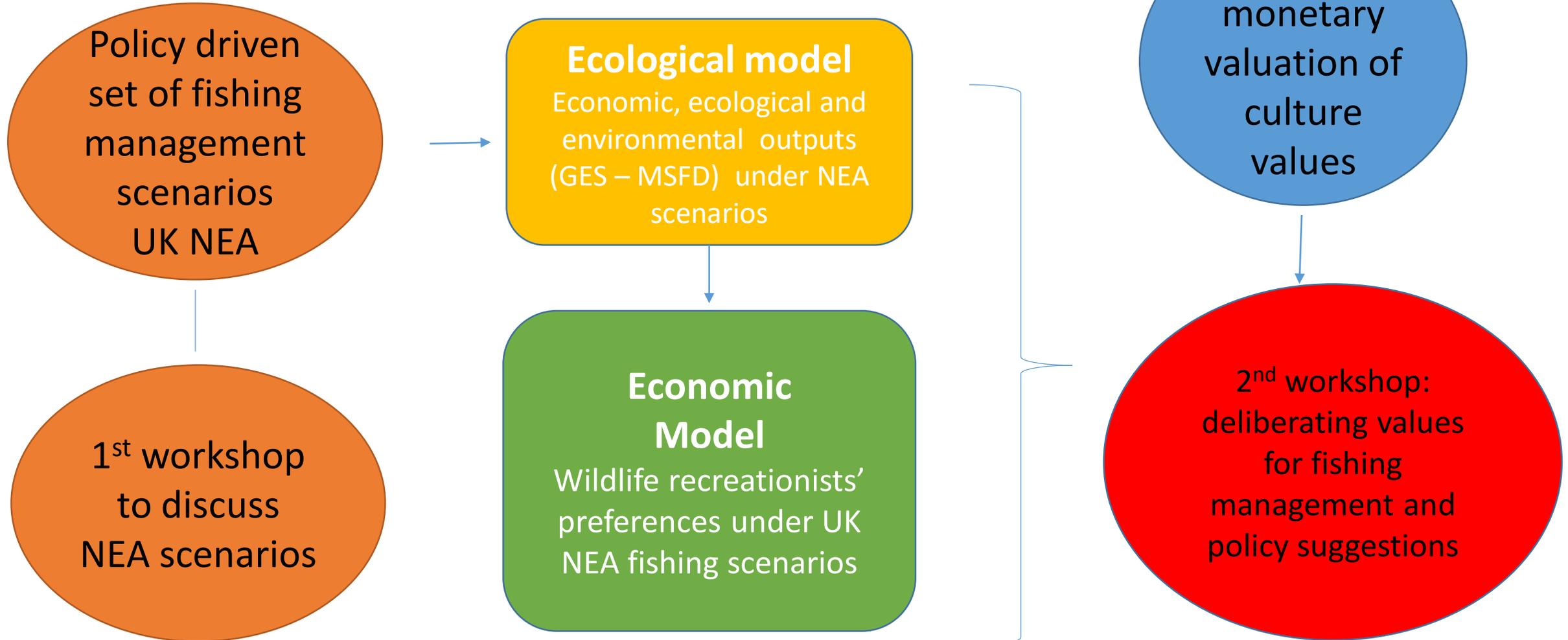


Credit: Prof. Mike Heath, Strathclyde University, Glasgow, UK

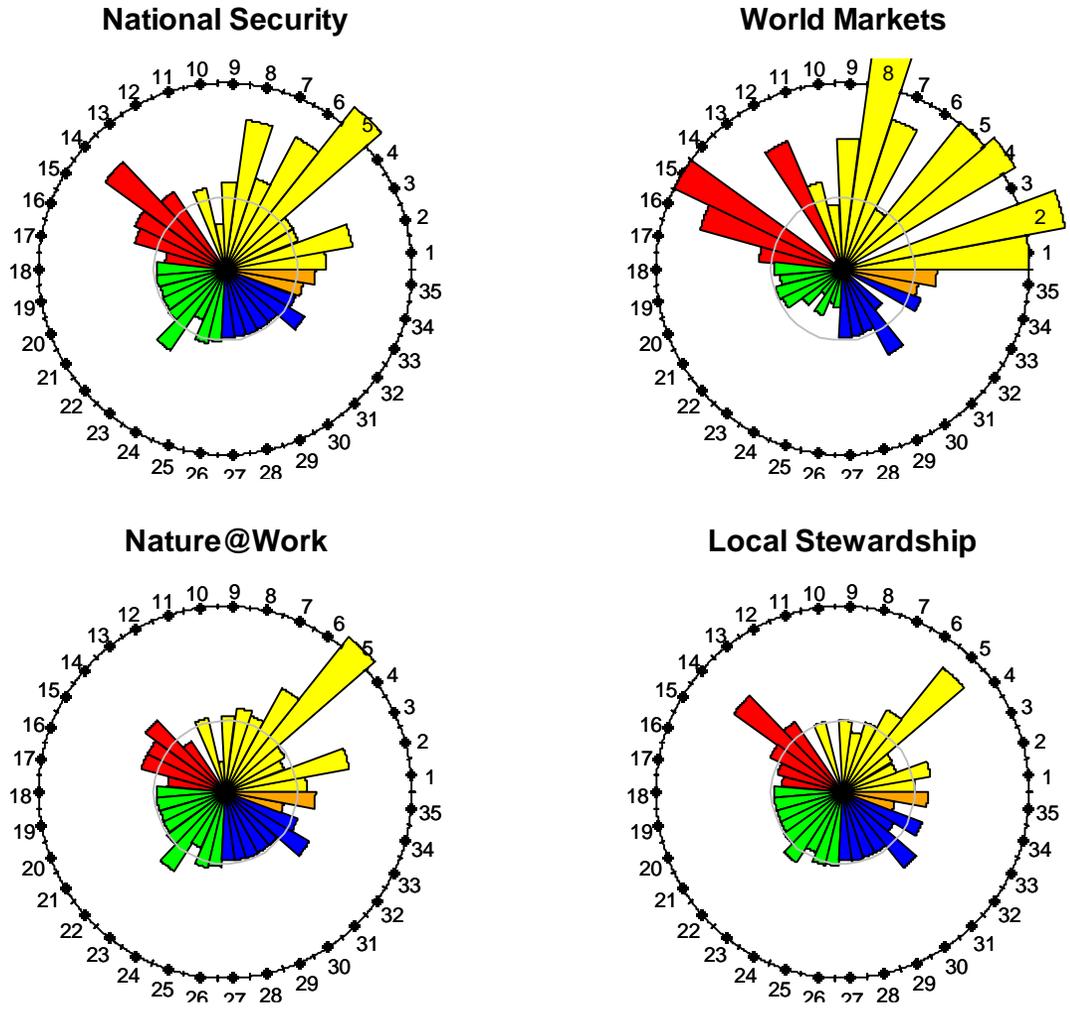
Study set up-economic framework



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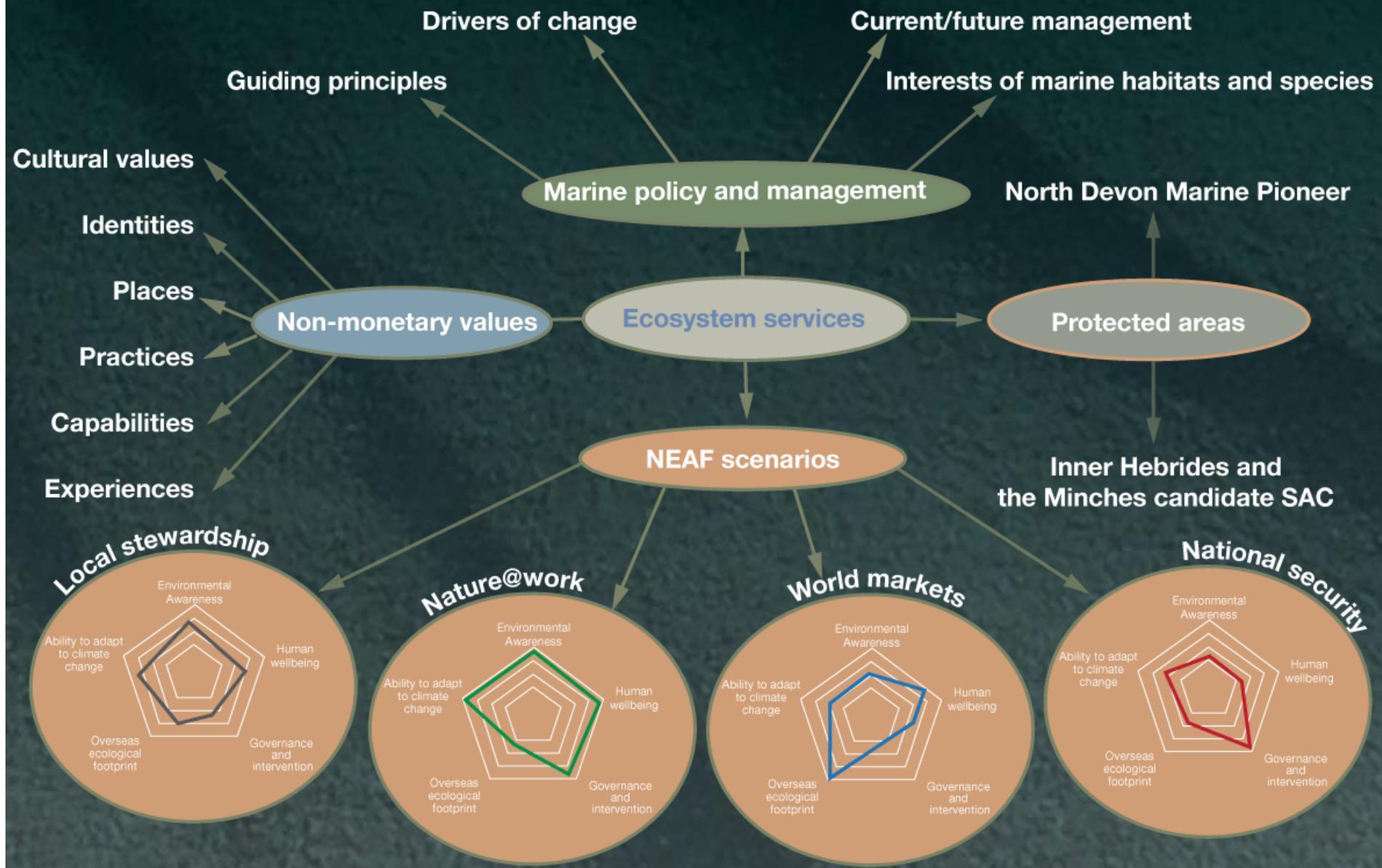
StrathE2E outputs and derived indicators from the simulations of each worldview scenario, relative to the 2003-2013 baseline state



Label	Description
1	Mobile pelagic effort
2	Mobile demersal effort
3	Static gear effort
4	Shellfish landings
5	Demersal fish landings
6	Planktivorous fish landings
7	Migratory fish landings
8	Fishery revenue
9	Fishery profit margin
10	Fishery profits
11	Seaweed profits
12	Total discards
13	Cetacean catch ratio
14	Seal catch ratio
15	Bird catch ratio
16	Seabed abraded area ratio
17	Inshore/total area abraded
18	Winter surface nitrate
19	Mud porewater ammonia
20	Total PP inc kelp
21	Benthos biomass
22	Finfish biomass
23	Planktivorous/total fish biomass
24	Seal biomass
25	Bird and cetacean biomass
26	Top-predator prodn/Primary prodn
27	Number of anglers
28	Number of divers
29	Number of wildlife watchers
30	Welfare of anglers
31	Welfare of divers
32	Welfare of wildlife watchers
33	TLR consumer surplus change
34	Consumption of aqua products
35	Aquaculture profits

Segment lengths are proportional to the ratio of scenario : baseline values.
Inner grey circle represents the baseline (scenario:baseline ratio = 1)

Credit: Prof. Mike Heath



Contribution to management decisions

1. Deliberation of policy measures and scenarios

Fisheries: some preference for quota control

MPAs: no expansion of MPA (NTZ), better restricting bottom mobile gears

Technical measures: more gear selectivity

Scenario: selected policy measures are aligned with Nature at Work scenario, the one preferred by community

Attendees: 25 from different organisations
NGOs; Fishers; Fisher associations
Academia; Gov

2. Policy implications

1. Original contribution to implement MSFD

2. Non-monetary valuations if taken into consideration may encourage the formulation of policies to achieve a social equitable and sustainable outcome



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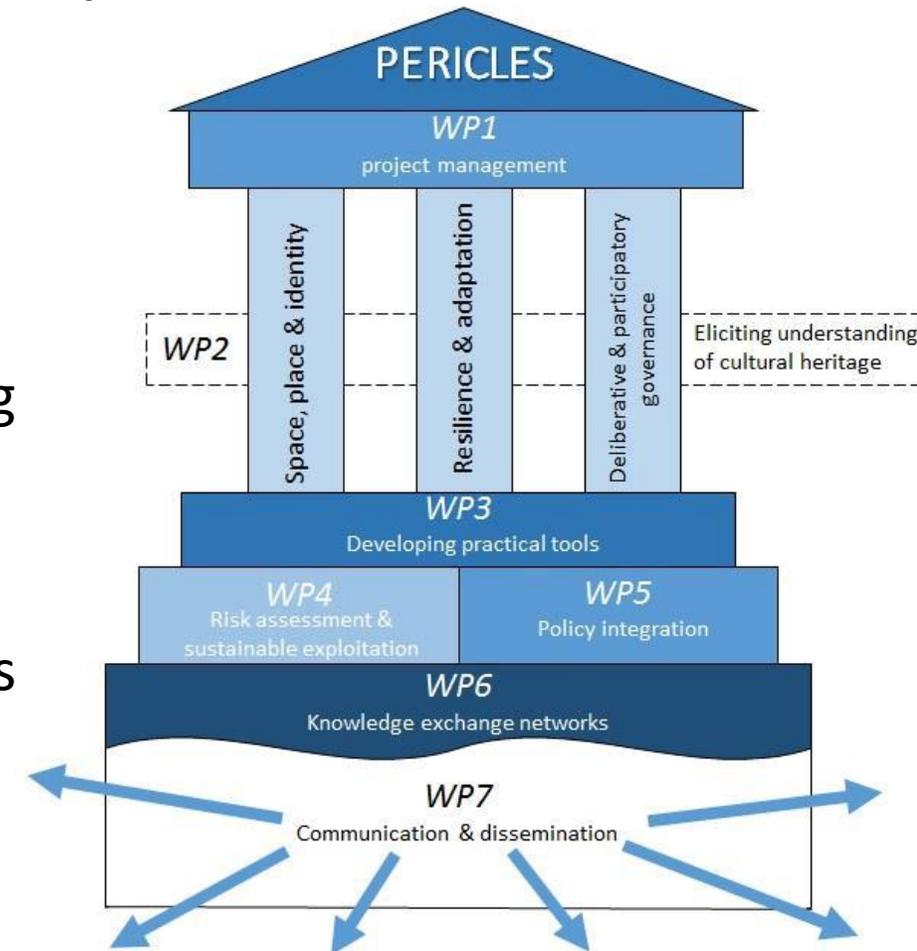


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PrEseRving and sustainably governing Cultural heritage and Landscapes in European coastal and maritime regions



PERICLES promotes sustainable governance of cultural heritage in European coastal and maritime applying a range of participatory, deliberative and action research methods involving decision-makers, stakeholders and the public





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Thanks for listening

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Partners project PERICLES