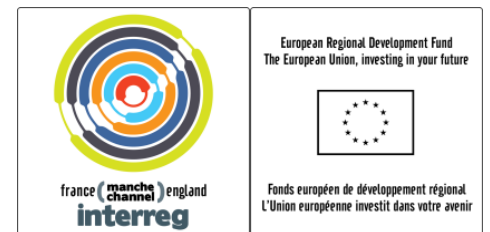


An overview of VALMER



‘Valuing the sea’

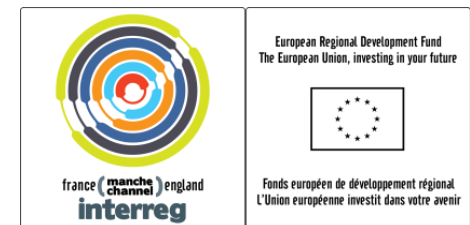


Aim:

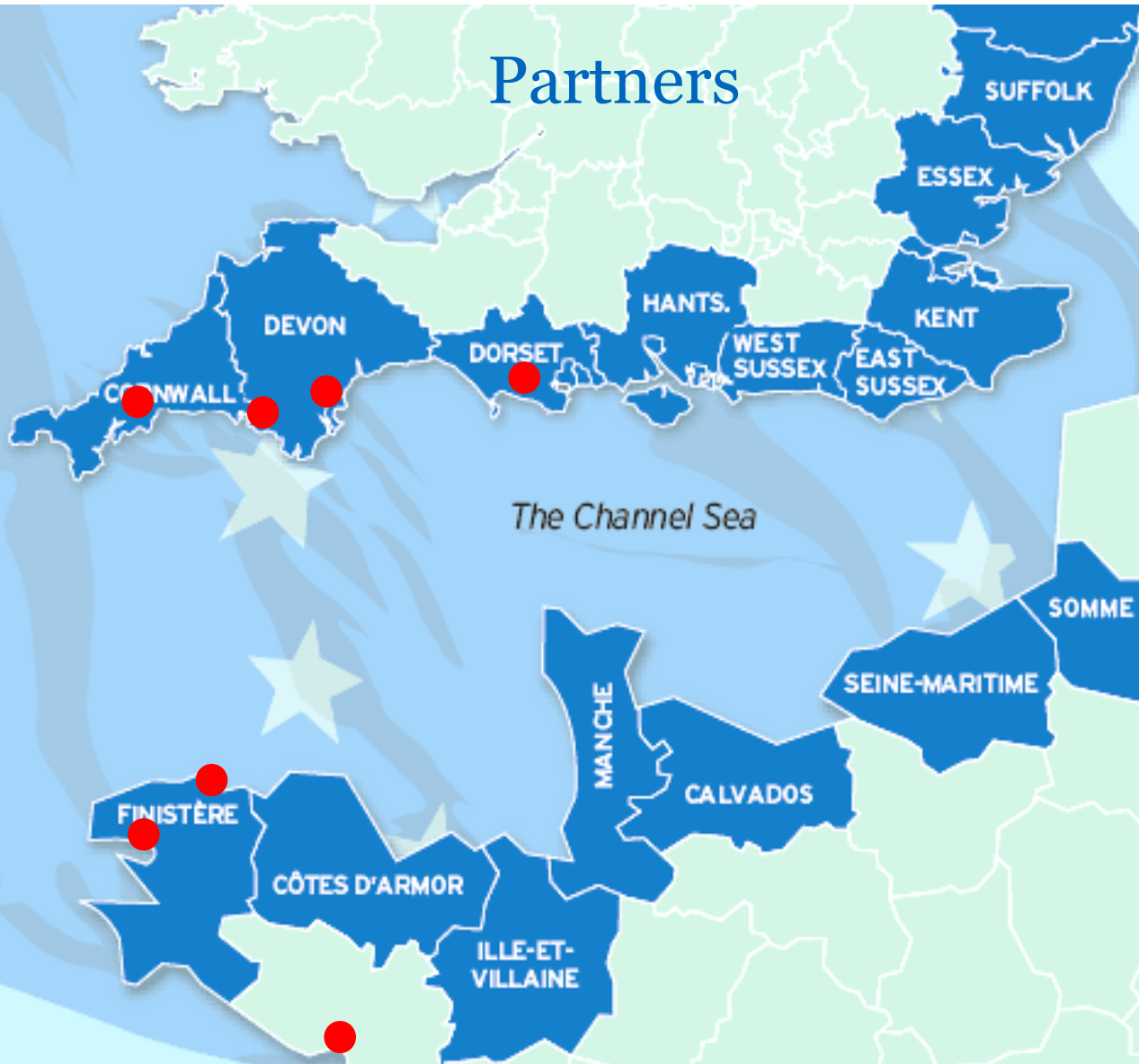
To evaluate how effective marine ecosystem service valuation can contribute to enhanced marine planning and management in the Western Channel.

Timescale:

The project will run for 2 years 7 months (1 September 2012, to 31 March 2015).



Partners



Plymouth University

Marine Biological Association

Plymouth Marine Laboratory

Agence des Aires Marines Protégées

IFREMER Brest

University of Brest

Cornwall Council

Devon County Council

Dorset County Council

Le Syndicat Intercommunal d'Aménagement du Golfe du Morbihan

University of Pierre and Marie Curie, Roscoff



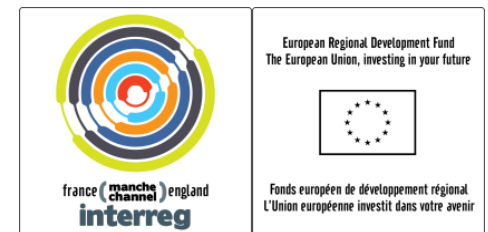
What are Ecosystem Services?

Ecosystem services can be defined in a variety of ways, including:

- “the benefits human populations derive, directly or indirectly, from ecosystem functions” (Costanza *et al* 1997).
- “the benefits people obtain from ecosystems” (MEA 2003).
- “services provided by the natural environment that benefit people” (Defra 2007).
- “the direct and indirect contributions of ecosystems to human well-being” (TEEB 2009).

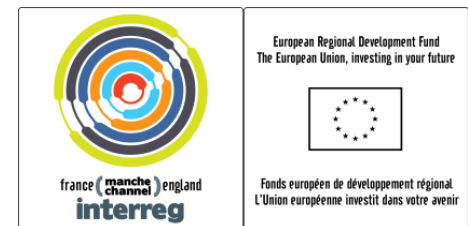
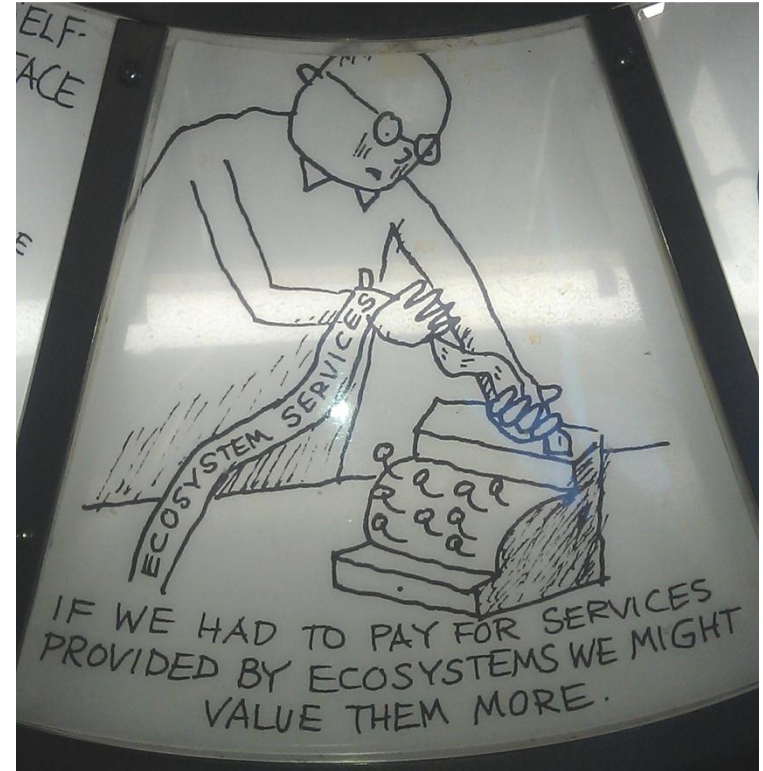
The common emphasis is:

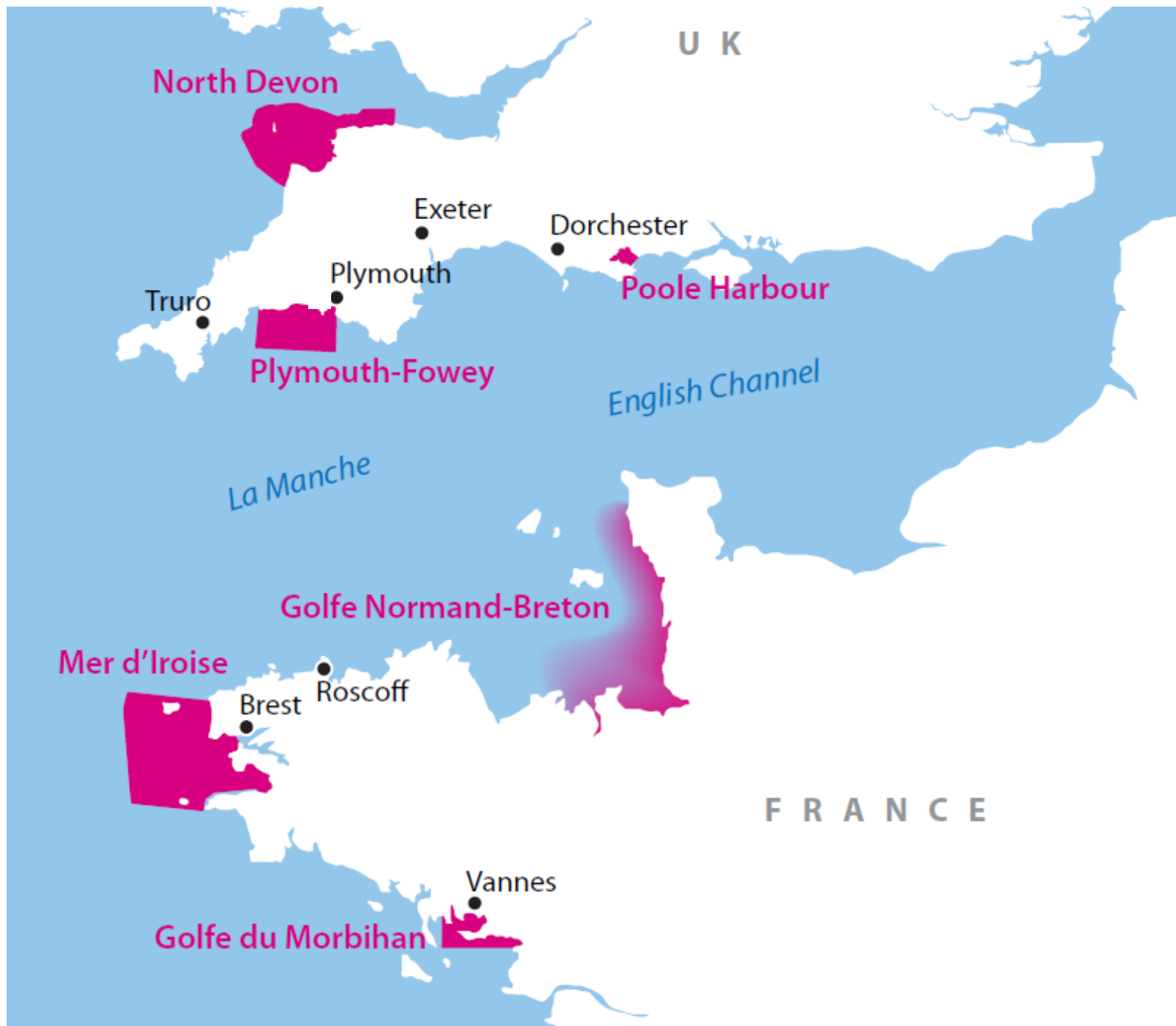
- *the beneficial role played by ecosystems in enhancing or maintaining aspects of human well being and thereby human society* e.g. food production, climate regulation, flood protection, pollution sinks, and recreational and aesthetic benefits.



Why bother...?

- Western Channel is a shared sea area with shared management challenges (e.g. *Energy production, fishing, invasive species, recreation*).
- Ecosystem service valuation has the potential to contribute to improved marine management – *but we are not sure how!*
- Testing methods is crucial to move the science and management forward for practical application.










The rest of today...

1. Introduction to the Plymouth to Fowey case study area - Philippa Hoskin Cornwall Council
2. Purpose of the Task and Finish Group/Terms of Reference - Ness Smith/Philippa Hoskin
3. Coffee and questionnaires
4. Ecosystem Service Valuation explained - Nicola Beaumont/Tara Hooper
5. Visualising ecosystem services using GIS - Charly Griffiths
6. Possible Futures – Philippa Hoskin
7. Influencing management using ecosystem service valuation – Wendy Dodds
8. Potential focus of the Plymouth to Fowey case study area - Philippa Hoskin/Tara Hooper
9. Data requirements – Becky Seeley
10. Next steps - Philippa Hoskin/Ness Smith



Outputs

Event	
Guidance Report	
Learning tool	
Data tool	
Communication tool	

Acronyms

AAMP – Agence des Aires Marines Protégées
CC – Cornwall Council
DevCC – Devon County Council
DCC – Dorset County Council

IFREMER - Institut Français de recherche pour l'exploitation de la mer
MBA – Marine Biological Association
PML – Plymouth Marine Laboratory
PU – Plymouth University

SIAGM - Syndicat Intercommunal d'Aménagement du Golfe du Morbihan
UBO - Université de Bretagne Occidentale
UPMCR – Université Pierre et Marie Curie, Roscoff

Project Management

Ness Smith, Manon Le Tual, Steve Guilbert (communication)
Steve Fletcher*, Gill Glegg*

* Also researchers on WP3 & WP4

Assessing and valuing marine ecosystems

PML, IFREMER
AAMP, UBO, UPMCR

1.1 Development of an operational framework for assessing and valuing marine ecosystem services



1.2 Trialling ecosystem service assessments and valuations at case study locations



Developing data support for VALMER

MBA, AAMP?
DCC, SIAGM, AAMP

2.1 Establishment of Data Working Group



2.2 Development of INSPIRE compliant geospatial data repository



2.3 Development of a geospatial web service



Building Scenarios for ecosystem service valuation

SIAGM, DevCC
IFREMER, CC, DCC, UBO, PU, AAMP

3.1 Building plausible scenarios to explore possible impacts on marine ES



3.2 Developing marine visions and action plans



Applying ecosystem service valuations to improve marine planning and management

UBO, PU
IFREMER, AAMP, CC, DevCC, DCC

4.1 Review the implications of ES assesment and valuations for marine planning and management



4.2 Experience exchange programme



4.3 Engaging citizens in marine planning and management using ESV approaches



Communication and stakeholder engagement

DevCC, AAMP

5.1 VALMER branding and marketing



5.2 Development and production of communications resources



5.3 Workshop organisation



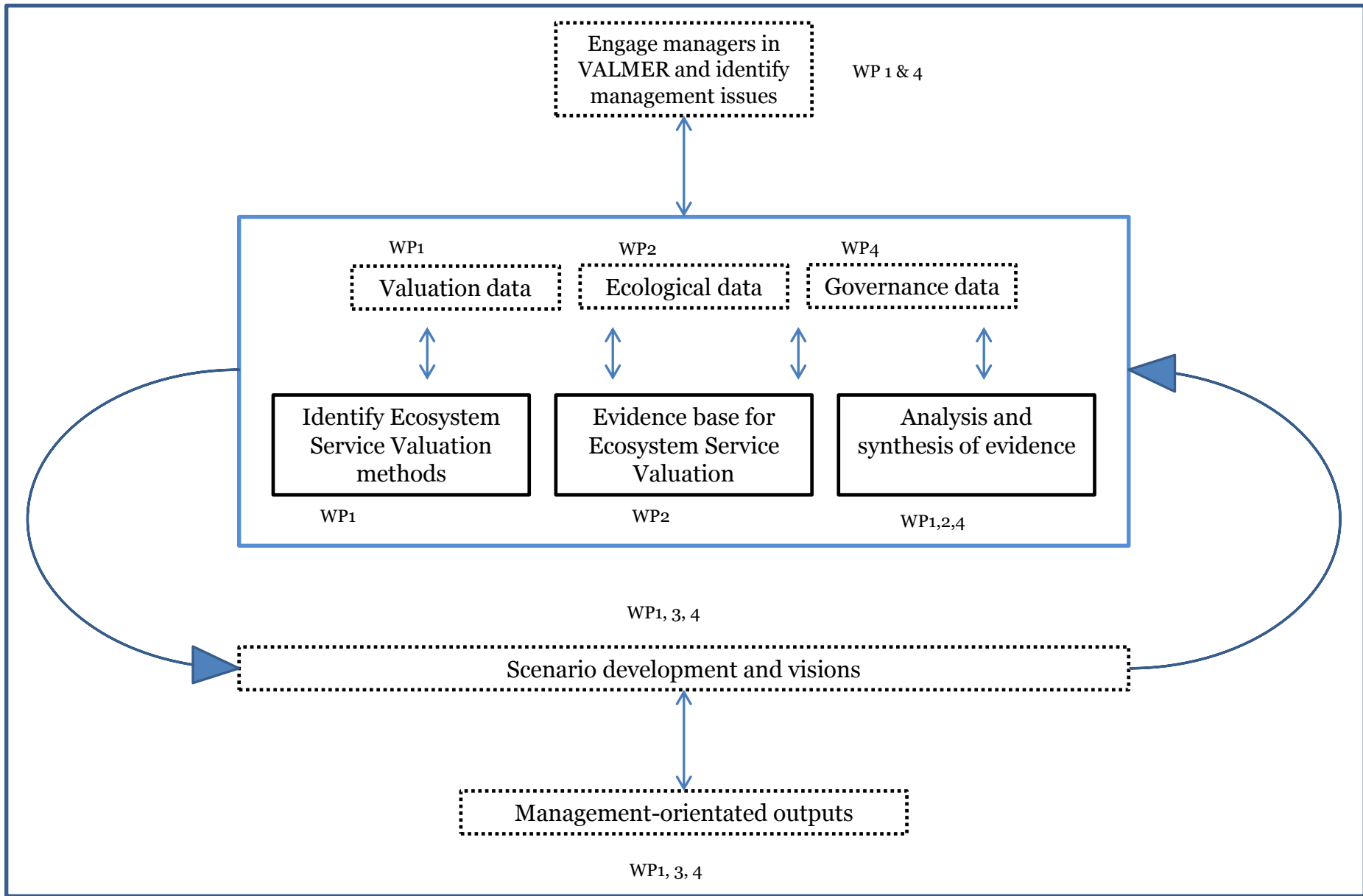
5.4 Project dissemination



Methods & Outputs

1. Interdisciplinary teams – economists, natural scientists and management/governance
2. Communication with stakeholders and policy makers, to review techniques and approaches;
3. Scenario development to explore possible impacts on specific marine ecosystem services at each site;
4. Work with stakeholders to develop visions and prioritised action plans using scenarios and valuation outputs;
5. Review of implications of valuation for planning and management; advice note produced for marine policy-makers, planners and managers.





Stakeholder participation

WP5,6

What have we done so far?

1. International workshop with marine economists in Brest – guidelines almost complete
2. Workshop in Le Havre – socioeconomic data management– addressing issues highlighted in the MMO report
3. Initial meetings with policy/decision makers in case-study sites
4. Identified most of the services we will be valuing
5. Conducted a review of scenarios, guidelines almost complete
6. Starting to collate targeted data (ecological and socio-economic)

Outputs available at www.valmer.eu



With special thanks to all our partners and funders

