



European Marine Research Transfer and Uptake of Results

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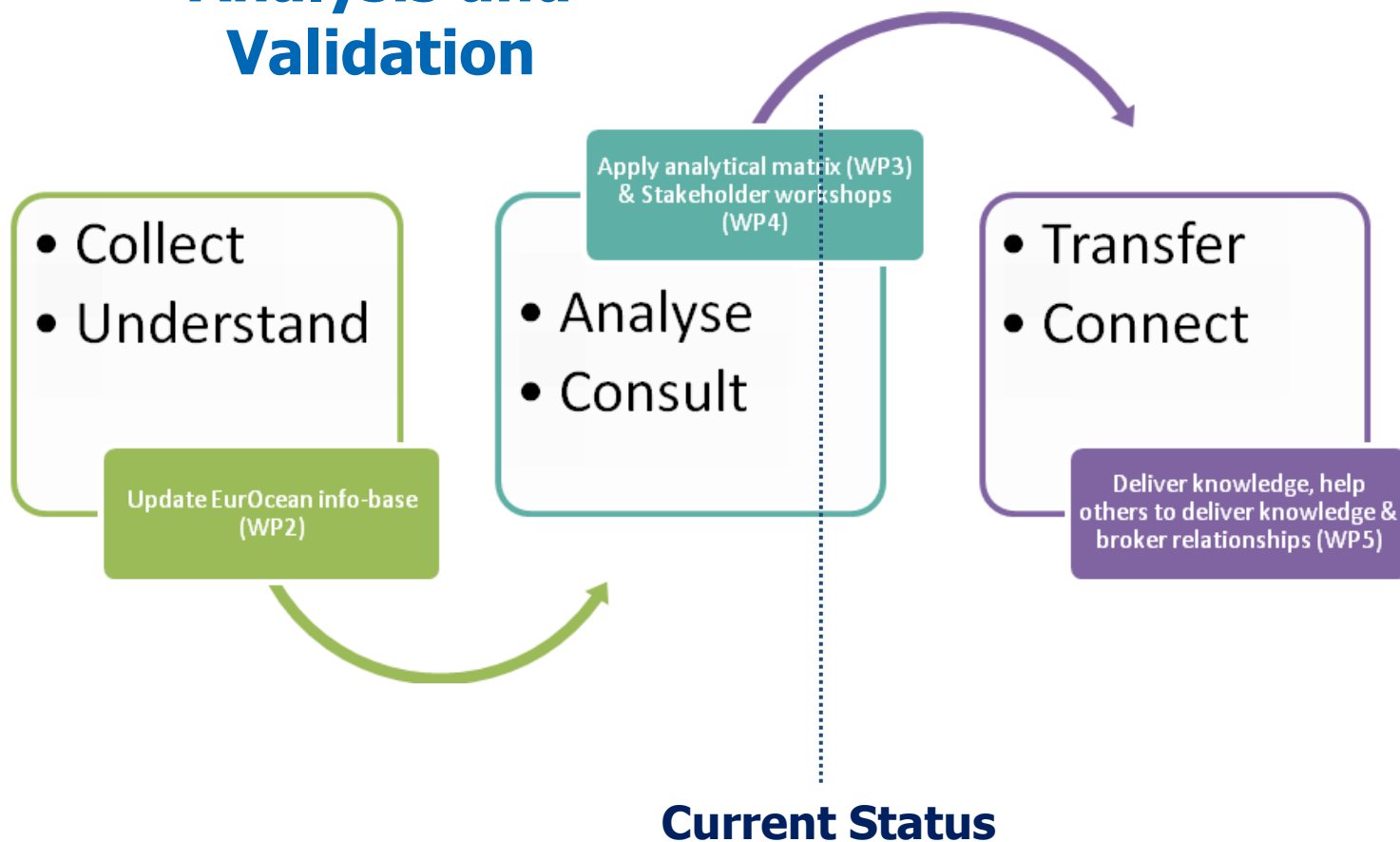


MarineTT

Phase 2

Knowledge Analysis

Phase 2 – Analysis and Validation



Knowledge Outputs Selection Process

CORDIS: 10,490 FP6 Projects
3,017 of 6,680 FP7 Projects

MARINE RELATED: 470 FP6 (excluded 147)
184 FP7

Surveyed: Total Good Responses: 187
323 FP6
184 FP7

738 Knowledge Outputs
from 187 projects

Knowledge Outputs
Prioritised

Knowledge Output Distribution

Marine Theme	Number of Projects	Number of Knowledge Outputs in Theme
Aquaculture*	74	254
Environmental Monitoring	24	74
Water/Resource Management	36	158
Marine Renewable Energy	15	37
Climate Change	16	52
Fisheries	23	163
Total	187	738

* Includes relevant projects surveyed via Aqualnova Project

Knowledge Analysis Process

1. Primary Analysis:

- Review of Coordinator survey & any additional material (publications, website, results, etc.)
- Completion of missing information for compilation of Knowledge Output Tables (KOT)
- Interaction with coordinator for clarifications



2. Internal Analysis :

- Proofing of KOT content
- Primary Assessment of knowledge outputs
- Clustering of thematic related projects/outputs
- Finalisation of Knowledge Output Tables for External Validation Phase



3. Project Coordinator Review :

- Approval of revised completed KOTs by project coordinators



4. External Expert Assessment of Marine Thematic Groups:

- Desk top study review of KOT's
- Validation Meeting for each thematic group
- Identification of high potential outputs for Transfer and Uptake

Combined Knowledge Output Table

Knowledge Outputs Table

Aquaculture Theme

PROJECT	FRAMEWORK	KNOWLEDGE ID NUMBER	SHORT TITLE	KNOWLEDGE DESCRIPTION	KNOWLEDGE TYPE	MARINE SECTORS TO POTENTIALLY BENEFIT	END USER & APPLICATION	IP/ CONFIDENTIALITY	IN PUBLIC DOMAIN	OUTPUT COMPLETE	KNOWLEDGE TRANSFER CARRIED OUT BY THE PROJECT (COORDINATORS RESPONSE)
AMBIO	FP6	25509.1	Publications on the results of the AMBIO project	A total of 70 peer reviewed scientific articles have been published detailing the different nanostructures investigated, and contribute to understanding structure/property/ performance characteristics for novel antifouling coatings.	Publication	Aquaculture Marine Transport	Industry Aquaculture (anti fouling treatment of nets/cages/ equipment/ rigs), Marine Logistics Industry (anti-fouling treatment of ships/ ferries) & Energy Industry - anti-fouling of sea rigs/pipes/ monitoring equipment. Scientific Community anti-fouling treatment for different applications.	No	Yes www.ambio.bham.ac.uk/	Yes	Widely disseminated
AMBIO	FP6	25509.2	Biocyl marine anti-fouling coating.	New anti-fouling material - Condensation-cured silicone nanocomposites has been patented and is available for commercial use.	Product	Aquaculture Marine Transport	Industry Aquaculture (anti fouling treatment of nets/cages/ equipment/ rigs), Marine Logistics Industry (anti-fouling treatment of ships/ ferries) & Energy Industry - anti-fouling of sea rigs/pipes/ monitoring equipment. Scientific Community anti-fouling treatment for different applications.	No	Yes www.ambio.bham.ac.uk/	Yes	Widely disseminated
AMBIO	FP6	25509.3	Silicon oxide-like anti-fouling coatings deposited by vapour deposition.	Coatings developed by TEER PLC, which can be deposited on optical windows had good field and end-user results for limiting algae and bacteria growth and are now commercially available.	Product	Oceanographic Monitoring	Industry Environmental Quality Industry - anti-fouling of oceanographic monitoring equipment.	No	Yes www.ambio.bham.ac.uk/	Yes	Widely disseminated

Combined Knowledge Output Table



Knowledge Outputs Table



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Combined Knowledge Output Table

Aquaculture Theme

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Observations on Phase 2

Several steps necessary to ensure knowledge analysis is validated:

- **Primary Analysis**
- **Internal Validation**
- **Validation by Project co-ordinators**
- **Validation by Marine Experts**

Observations

- Length of time needed for Knowledge analysis dependent on quality of survey response and availability of support documentation
- Difficult to capture information retrospectively – outputs not captured correctly, hidden outputs, outmoded findings
- Cooperation from the project coordinator important but not always forthcoming

Observations

- Initial indications show there is significant knowledge to shift into the Knowledge Transfer phase
- Innovative Knowledge Analysis Methodology developed - adaptable to any discipline/field of research
- It will also be able to generate other insights and knowledge compilations related to other aspects of projects
- There is cross fertilisation between domains, e.g. Marine renewables output of relevance to aquaculture/fisheries

Observations

- **Many projects did not carry out “active” knowledge transfer, funding was identified as a limiting factor by many**
- **Many consortia are not able to correctly identify the correct primary end users and applications, a contributing factor to unsuccessful Knowledge Transfer**
- **IP ownership is not always clear and some outputs are being kept confidential**

Recommendations

- **Recommend a requirement to capture the KOT fields at the end of projects**
- **Transparency – it is possible and beneficial to share the existence of outputs without compromising the IP**
- **Consortia might benefit from guidelines on how to correctly identify the correct primary end users and applications for their outputs**
- **Careful consideration needs to be given to incentives to encourage effective Knowledge Transfer within Projects**

Contact us

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Disclaimer



The research leading to these results has received funding from the European Union's Seventh Framework Programme (FP7/2007-2013) under grant agreement no 244164. This publication reflects the views only of the author, and the European Union cannot be held responsible for any use which may be made of the information contained therein.