

COLUMBUS

Blue Society Knowledge Transfer Conference 2017

Achieving Impact from Marine Research

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Existing Knowledge Transfer Initiatives

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What is a Knowledge Output?

A unit of knowledge or learning, that has a potential application, generated by or through research activity.

What is Knowledge Transfer?

The term used to describe overall process of moving knowledge between its source to potential users of knowledge.

What is an End User?

The individual(s) who take up and apply the Knowledge Output to result in eventual impact.

Defined within COLUMBUS

Task 8.2 - Consult Research Knowledge user groups from the marine/maritime sectors to identify their perceptions, needs and preferences for effective Knowledge Transfer mechanisms/initiatives

- CETMAR
- CEFAS
- ECMAR



Methodology

Three main ways of engagement with research knowledge end users

- An online survey questionnaire
- A workshop on Knowledge Transfer and Research Impact with scientific audience during EGU2016 conference in Vienna
- Selected one-to-one interviews by phone, in person and during specific stakeholder events

(Ocean Sciences Meeting 2016; OI 2016; EGU2016)

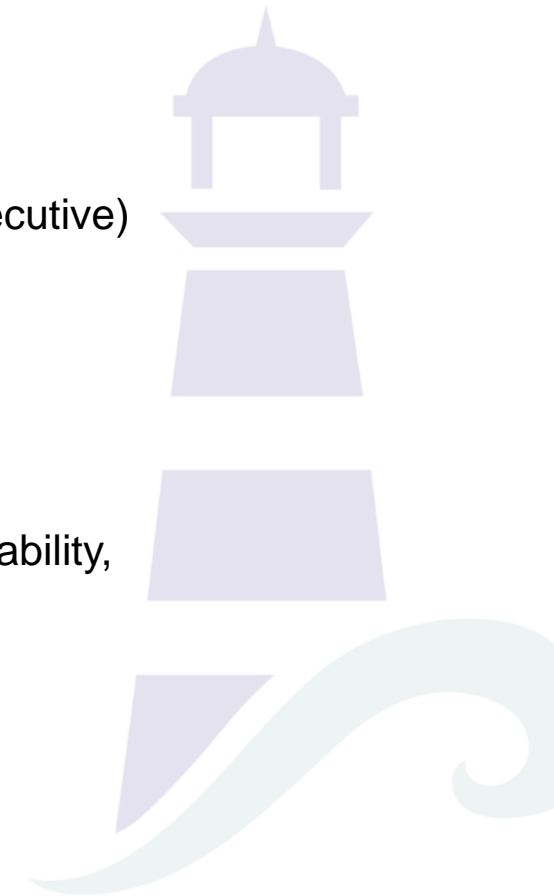
Specific information from end users

1. End User Representation

- Sector (industry/academia/policy/NGO)
- Level of experience (early career/experienced/senior or executive)
- Organisation (size and location)

2. Knowledge Transfer Experience & Perception

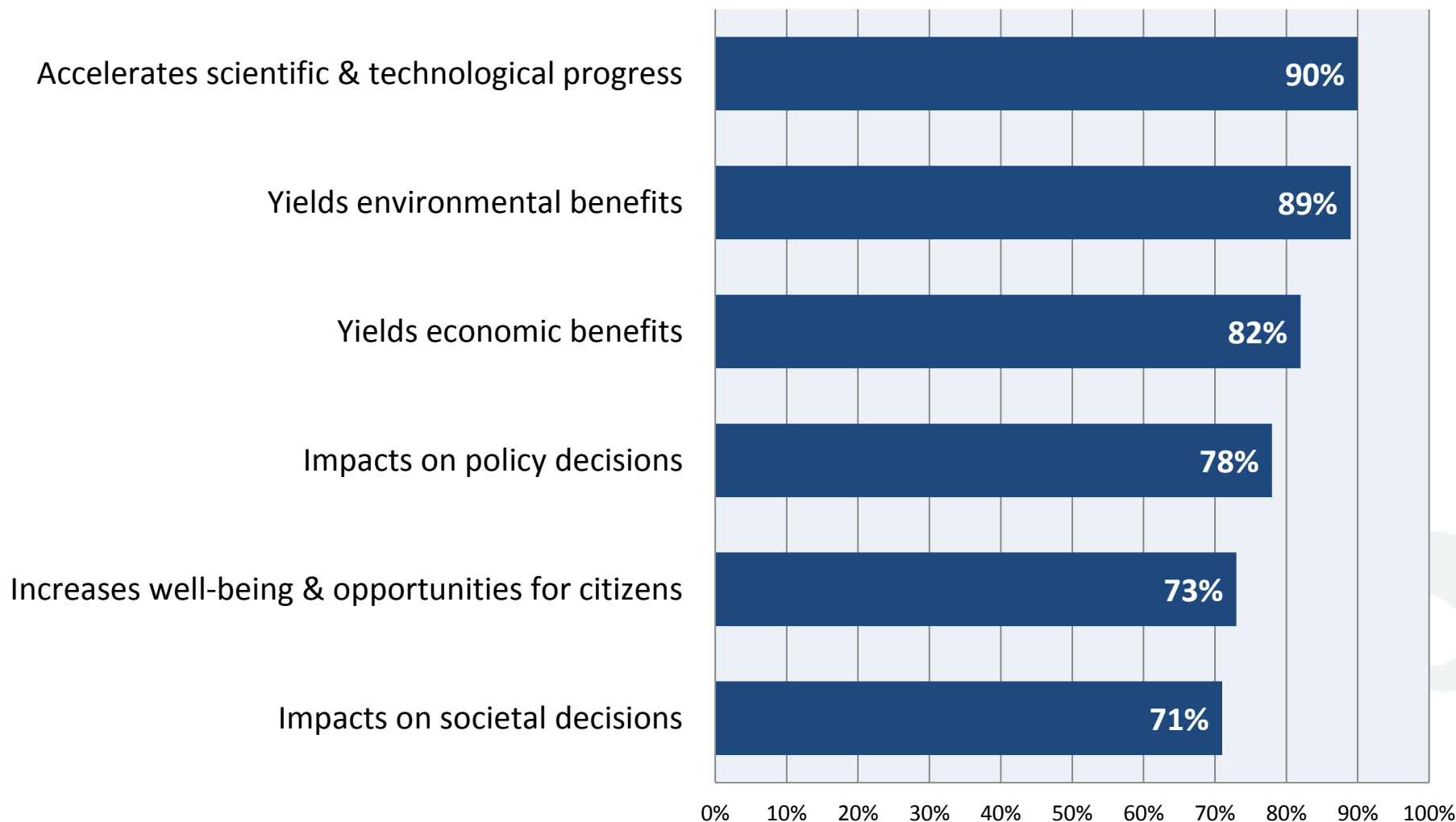
- Understanding of KT (terminology, mechanisms and applicability, accessibility, usefulness)
- Involvement with KT
- Successes, main barriers / challenges
- Needs to implement or conduct effective KT



Most common used KT Initiatives

- Knowledge Transfer Partnerships (*Innovate UK; EU's Joint Innovation Action*)
- Technology Transfer
- Trans-national & cross institutional publishing of research
- Building science – policy interface
- Utilising KT Offices / experts within universities, PROs and companies
- Making knowledge outputs available and/or accessible for potential users
- Training and advanced short courses

Participant Perception - Reasons KT is useful



- 2010 - 2012 EC's DG Research and Innovation (DG-RI) in depth Knowledge Transfer Study in order to support the monitoring and reporting process of the EC's 2008 Recommendation and Code of Practice (CoP) on Knowledge Transfer
- 2014 DG-RI independent expert report on Boosting Open Innovation and Knowledge Transfer in the European Union
- 2017 COLUMBUS Marine Knowledge Transfer & Innovation: Learning from Regional & European Initiatives
- COLUMBUS WP3 – KNOWLEDGE DEMAND: Knowledge Needs, Gaps and Challenges

“ Need for more KT about KT” ¹

- Gap in ‘know-how’ of where to find KT opportunities appropriate for individual projects & what initiatives are available
- Skill gap of processes, and use of tools/ mechanisms in order to implement and achieve effective KT
- Insufficient alignment of funding priorities, research interests, and commercial needs.
- Funding for KT activities within projects
- Need for improved capacity building in a variety of skills for the strategic development, implementation and delivery of knowledge transfer
- Need to move more into networked, multi-collaborative innovation ecosystems²
- Projects should have champions for collection and transfer of their outputs, either within the consortium or through an external provider

¹ European Commission Directorate General for Research and Innovation (2013). Knowledge Transfer Study 2010-2012, p21

² European Commission DG-RI (2014). Boosting Open Innovation and Knowledge Transfer in the European Union, p5

Case Studies of Successful KT

1. CEFAS, UK

- Marine Climate Change Impacts Partnership (MCIPP) brings together scientists, government, its agencies and NGOs to provide co-ordinated advice on climate change impacts around the UK coast and seas

Facilitates the rapid transfer of marine climate change impacts evidence from scientific to user communities.

Case Studies of Successful KT

2. CETMAR, Spain

- i) A knowledge transfer case from a coastal oceanography observatory network in the Iberian Peninsula (Observatorio Raia) – access to data
- ii) A knowledge transfer case emerging from an innovative approach to professional training (AIXOLA, run by CETMAR)

Case Studies of Successful KT

3. NOC, UK

- **Knowledge Transfer Partnership** – with Marlan Maritime Technologies Ltd to develop innovative remote sensing services for the survey of intertidal zones.

The partnership builds on the existing collaborative R&D between Marlan, the NOC and the University of Liverpool

Thank you

D8.2 available on COLUMBUS website:

<http://www.columbusproject.eu/columbus-project-results>

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