



OCEAN DIALOGUES

AT THE SCIENCE-POLICY-SOCIETY INTERFACE

SUPPORTING EFFECTIVE OCEAN GOVERNANCE

*The role of Responsible Research & Innovation
and Ocean Literacy*

***Sound ocean knowledge system:
what can Marina and ResponSEABLE
projects offer?***

#oceandialogues2019

www.oceandialogues.eu

Brussels, 18-20 MARCH 2019

ResponSEAbLe project has focused on **creation, translation and communication of knowledge**, so people **better understand human-ocean relations** and can **take better decisions** to protect the ocean – **become ocean literate**

PROTECTING THE OCEAN

OUR COLLECTIVE RESPONSIBILITY,
OUR COMMON INTEREST

3 pillars:

What is the **current knowledge**, and the **gaps**?

Who to become ocean literate?

How can ocean literacy initiatives reach different audiences effectively?



Coordinator



Partners



OUR OUTPUTS

- ✓ Targeted to different audiences and marine challenges
- ✓ Different types of products
- ✓ Living lab process
- ✓ Effectiveness and behavior change

Knowledge base

Films

Cartoons/animations

Literacy bubbles

MOOC Story maps

Kumus

ResponSEable App Learning Game

Ocean Literacy Question Center

#KeeptheBalticblue

Interactive guidance (WebDocumentary)

Ocean Literacy Tools for Professionals

'Ocean and Me' game

Actors portraits and videos

Webinars

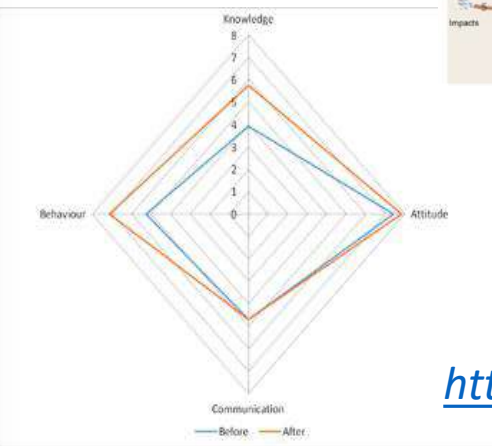
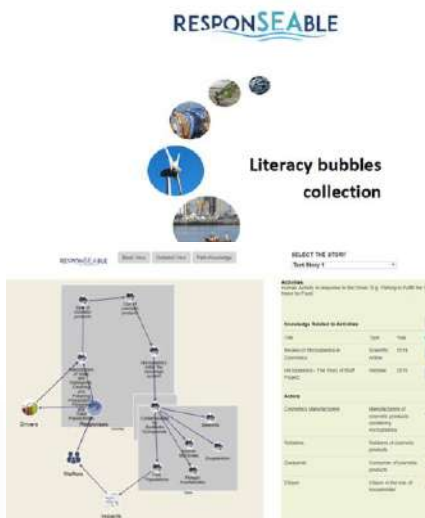
System Dynamics Approach

A series of 6 x 5-minute films

Quiz on ocean literacy

Surveys Zaza the mermaid workshop

Interactive Internet Platform on ferries



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<https://www.responseable.eu/#oltools>



OUR RECOMMENDATIONS on effective ocean literacy

- *Understand causality and drivers of change, including socio-economics and value chains*
- *Know your audience, what they know and how to best reach them*
- *Co-create Ocean Literacy tools with the target audience*
- *Make sure it works! Measure effectiveness and follow up*
- *Capture policy opportunities, including for land-based sectors*

PROJECT'S LEGACY

1. Framework for structuring knowledge, analysis of gaps

Knowledge base - Visualization of knowledge System

2. Over 40 OL tools in open access

www.responseable.eu/#oltools

3. Recommendations for making effective knowledge systems

Approach for testing effectiveness, based on results for different target groups, marine challenges, processes

4. Policy recommendations on ocean literacy in regional seas and EU

HELCOM included our recommendations for the Baltic Sea Action Plan - example for others)

5. Interactive guidance for practitioners -WebDoc

6. New actors to Ocean Literacy, including youth and young professionals

7. Ocean Dialogues

8. MANIFESTO

9. IOC UNESCO – input into Decade for Ocean Science

10. European Marine Science Educators Association (EMSEA)



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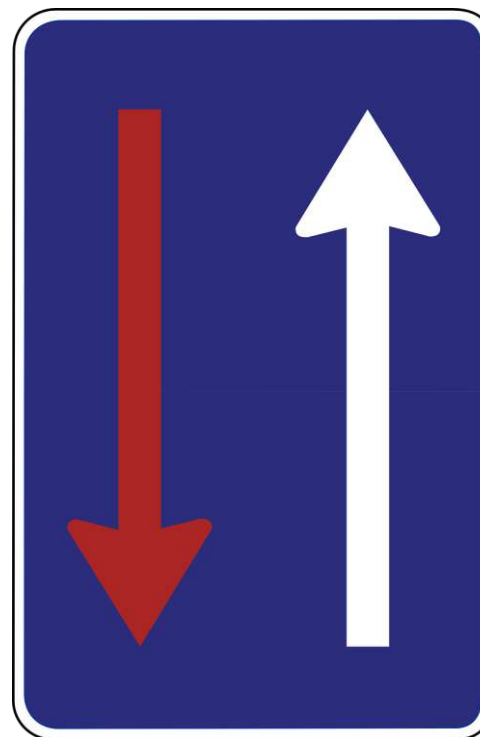
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RESPONSIBLE RESEARCH AND INNOVATION (RRI)

How to include **society** in **research and innovation** ensuring they meet the needs and aspiration of all, providing a better environment for innovative solution to be accepted.

Eventually, this will favor the **economy** and blue growth

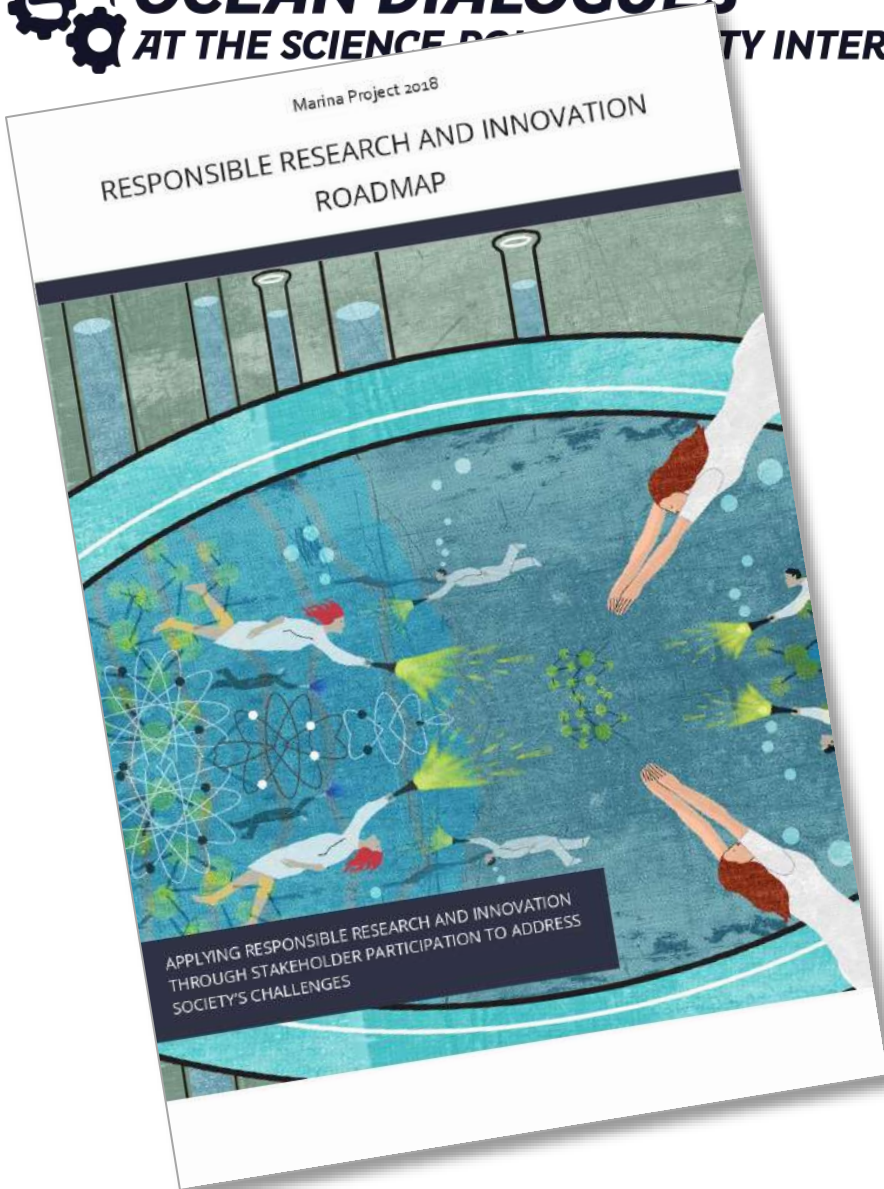






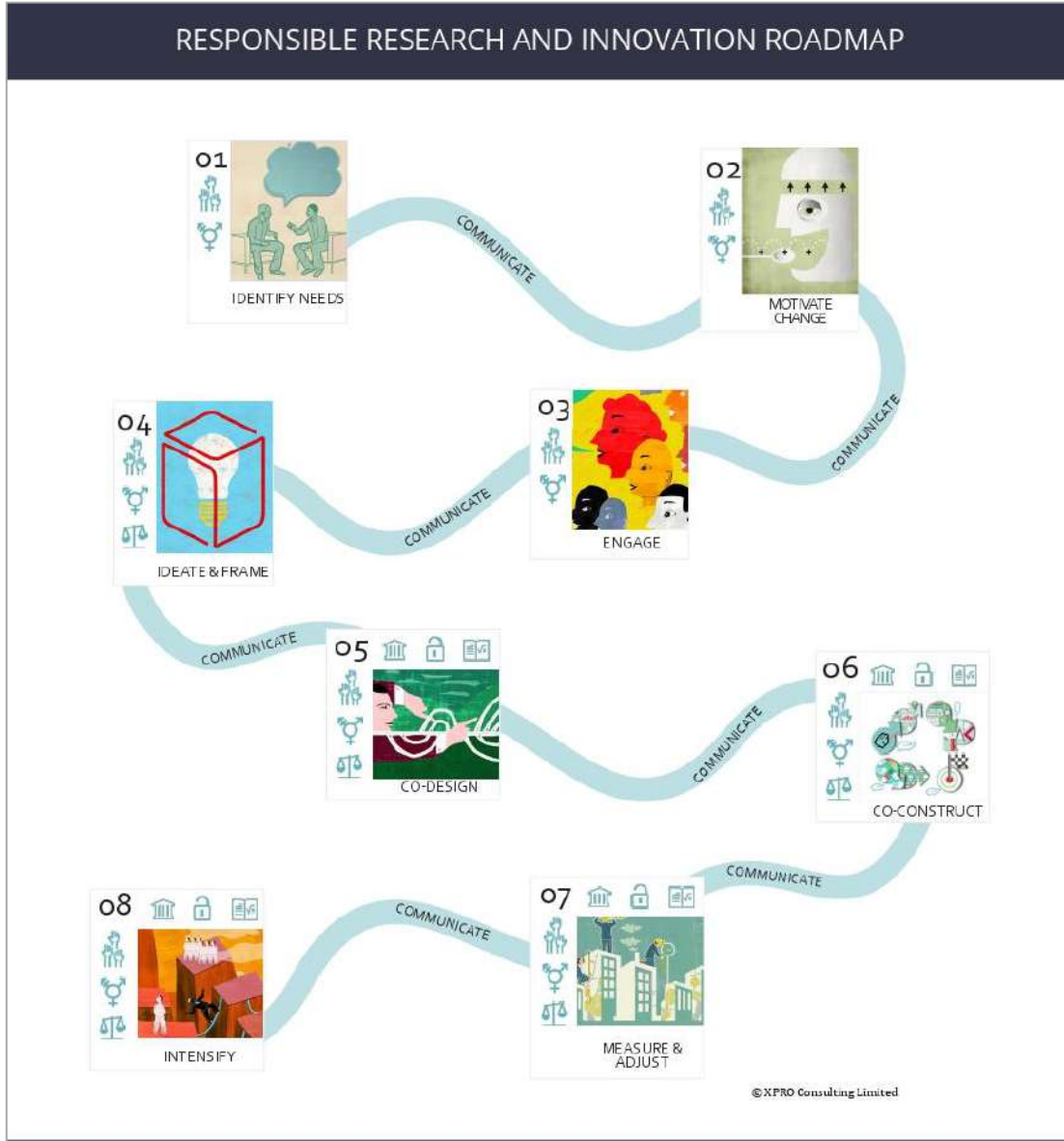
OCEAN DIALOGUES

AT THE SCIENCE SOCIETY INTERFACE



SUPPORTING EFFECTIVE OCEAN GOVERNANCE

Research & Innovation





44 ➡ +1000 societal actors

SUPPORTING EFFECTIVE OCEAN GOVERNANCE

The role of Responsible Research & Innovation and Ocean Literacy





OCEAN DIALOGUES AT THE SCIENCE POLICY SOCIETY INTERFERENCE



RESPONSEABLE EFFECTIVE OCEAN GOVERNANCE

Research & Innovation

POLICY BRIEF n°1

October 2018

Policy mobilization to better apply the responsible research and innovation approach to tackle societal challenges

The policy brief intends to raise interest in the HORIZON MARINA project activities and, in particular, in the results of the survey carried out to better understand how policy makers are aware and engaged with the RRI concept, which obstacles may exist in incorporating this approach into the policy-making process. Find more on MARINA Project.

Introduction

Responsible Research and Innovation (RRI) is a transparent, interactive process by which societal actors and innovators become mutually responsive to each other with a view on the ethical acceptability, sustainability and societal desirability of the innovation process and its marketable products. The Horizon 2020 MARINA project (Marie Skłodowska Curie Grant 101019766) aims at creating awareness about Responsible Research and Innovation (RRI) by building an all-inclusive Knowledge Sharing Platform and converging already existing networks, communities, on-line platforms and

The MARINA platform is a socio-technical environment that facilitates and stimulates the direct engagement of stakeholders, policy and decision makers, research funders and science communicators in Responsible Research and Innovation in marine and maritime sector first, and then in other domains. The MARINA project has also mobilized multi-stakeholders in relation to marine hot topics and challenges through 34 mutual learning and mobilization (BML) workshops held in 14 EU countries and in Turkey at local level and other 8 organized at international level.

Policy mobilization and RRI implementation

Responsible Research and Innovation (RRI) means that societal actors work together during the whole research and innovation process in order to better align both the process and its outcomes, with the values, needs and expectations of our modern society. This approach should be particularly taken into consideration by policy makers, decision makers and policy implementers in public organizations, as public engagement, one of the RRI dimensions (according to the definition provided by the European Commission) the other are: governance, public engagement, science education, ethics, gender equality, open access/open science) enables the elaboration of better strategies to tackle societal challenges and eases the process of policies implementation. The elaboration of the process of policies implementation. Policy mobilization in the MARINA project is aimed to ensure that decisions and programming taken in marine

RRI Tools

PROVEN REQUIREMENTS

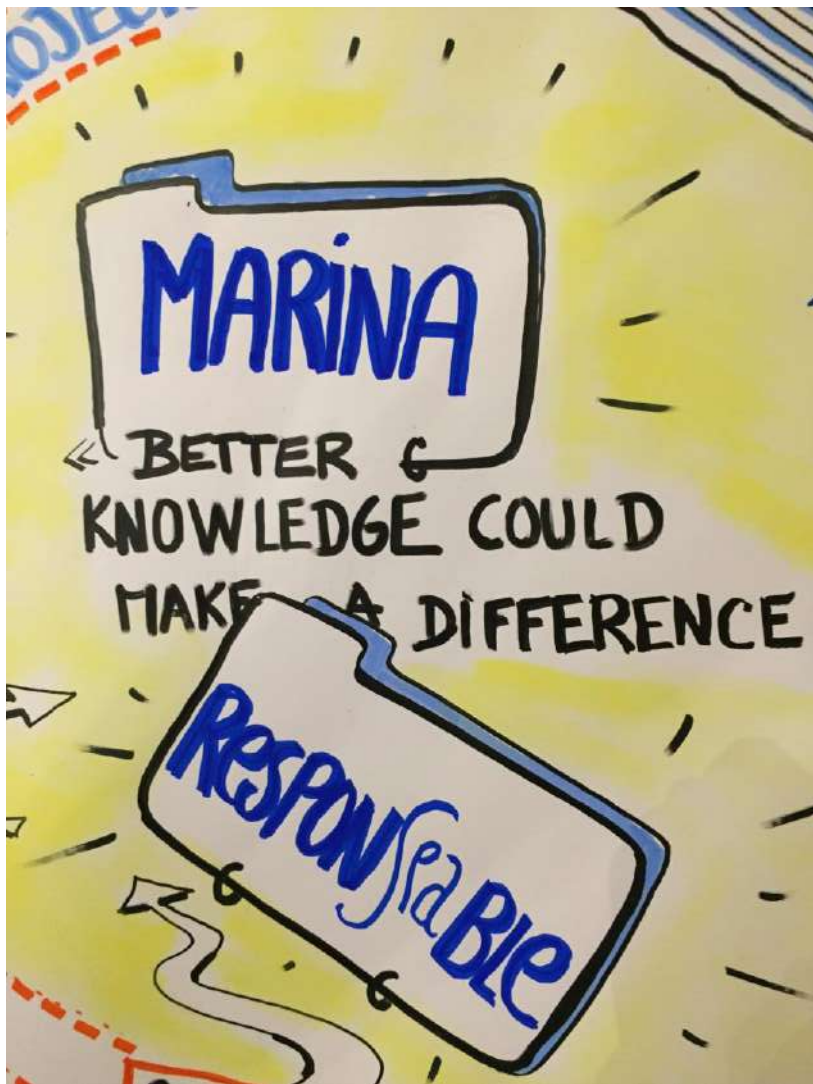
This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No. 101019766 - www.marina.eu



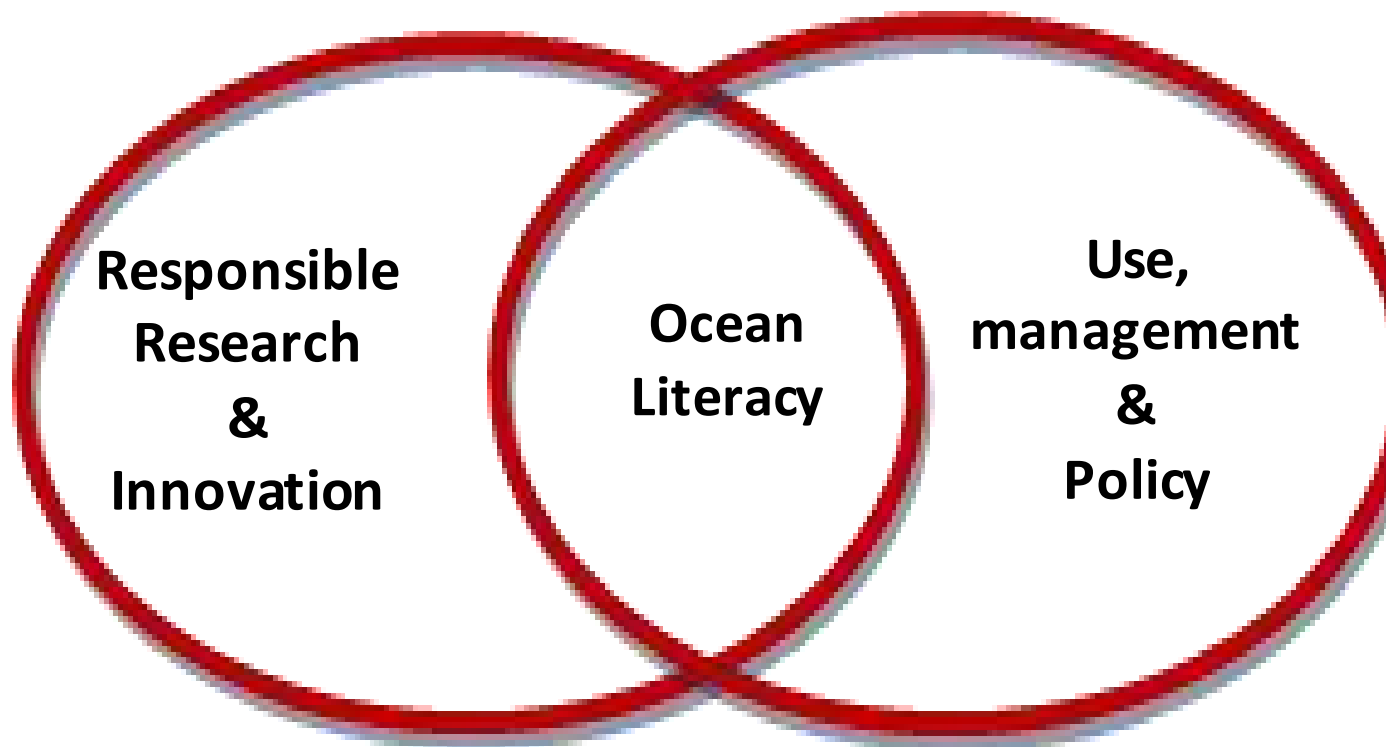
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The role of Responsible Research & Innovation





Investigating the «ocean knowledge system» has been what the two projects Marina and Responseable have done, with complementary perspective



Producing knowledge => translating & sharing knowledge => Using knowledge for action/behaviour

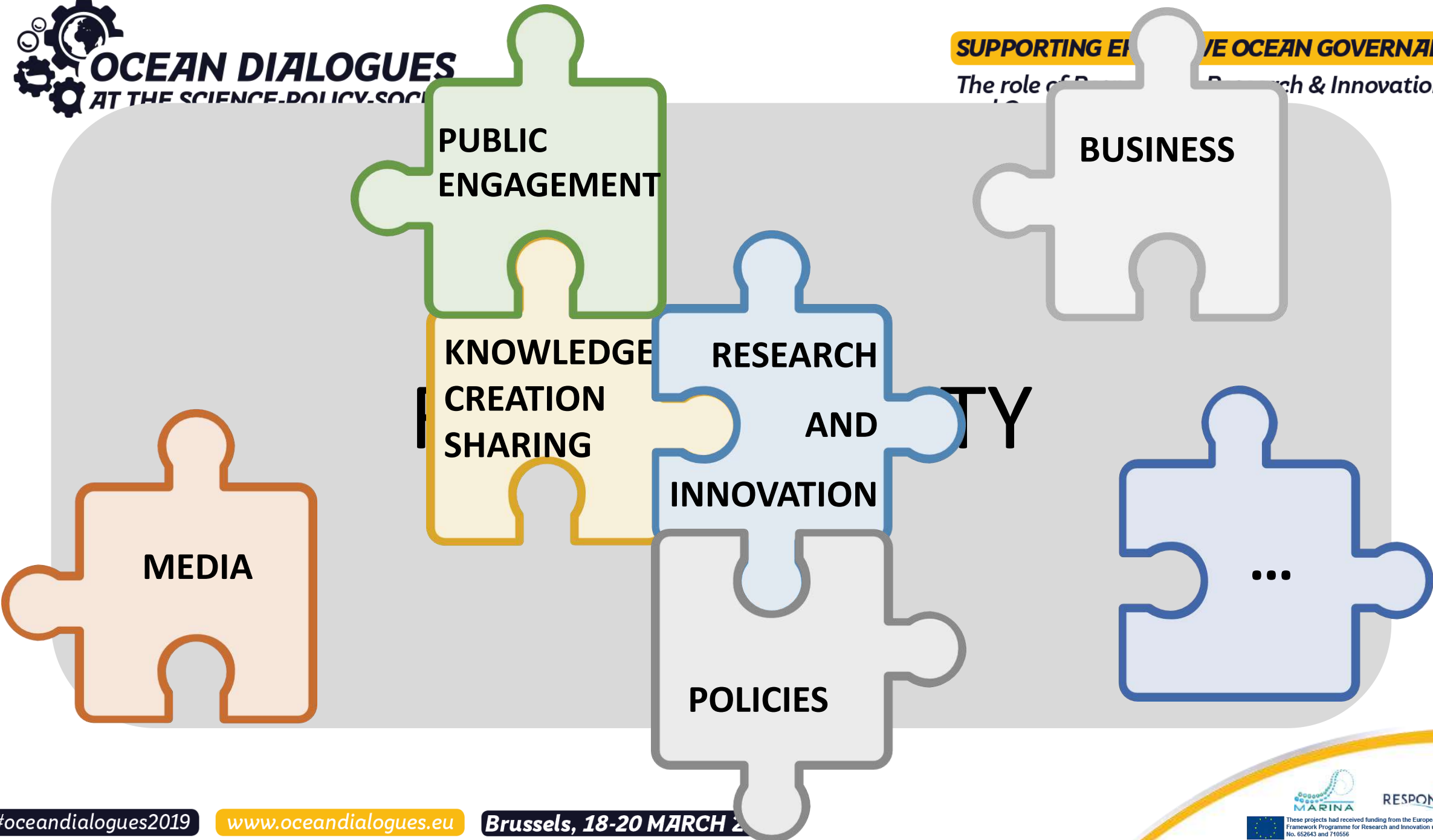


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The role of Digital Technology, Research & Innovation



Ocean dialogues: few impressions



<https://vimeo.com/325332043>

Do not separate Responsible Research and Innovation (RRI) and Ocean Literacy (OL): these are complementary components of the same Ocean Knowledge System