

FISH & SHIPS

FIRST CONFERENCE

Marine & Maritime Science Partnership in Europe
Achievements & Future Roadmap

THE MARCOM+ & EMAR²RES PROJECTS CONCLUDING EVENT

**Towards an Integrated Marine and Maritime
Science and Technology Community - Transport Perspective**

(Willem Laros EMAR²RES Coordinator, WATERBORNE Chairman)



EMAR²RES aims to provide a **forum** for interaction between Europe's **marine science and maritime transport research communities**, so that they can collectively work towards enhanced capability in marine and maritime research.

This is essential to ensure that Europe's capability is of internationally acknowledged excellence, and of sufficient scale and **critical mass** to facilitate, promote and sustain intellectual interchange and discourse between those engaged in international research, fundamental to the principles of the **Lisbon Agenda** and the **European Research Area**.

Cooperative Structure

First Ideas



SUMMARY

Basic principles of the cooperative structure

Existing Models

EMAR²RES Model and objectives

Potential participants

Thematic scope

Operational structure & Governance

Relationship with MARCOM+ partnership

The cooperative structure can properly work only if it is **built on actual common research needs** in which both communities see benefit and added value in collaboration;

- The identified structure should primarily address **transport related matters** but its scope could also be extended to **energy and raw materials**;
- The first scientific themes to be addressed by the proposed structure of cooperation could stem from the **areas of common interest identified** in the EMAR²RES workshops;
- The form of cooperation should be **as light as possible** in terms of structure and administrative governing bodies;
- **No membership fees** should be levied.

EMAR²RES steering Committee identified two existing models for cooperation of relevance:

- the **International Towing Tank Conference (ITTC)** – first convened in **1933**;
- the **International Ship Structure Congress (ISSC)** – first convened in **1961**.

Both models are **purpose-driven and organized in form of Conferences every three years** (funded by registration fees).

Both models are organized through committees which are tasked to address specific themes of relevance for the conference.

The committees work on a voluntary basis. The research needed is also carried out on a voluntary basis and the costs are borne by the participant organizations.

The founding principle is a **purpose-driven cooperative model to ensure that areas of common interests and opportunities for cooperation are identified and tackled.**

*The EMAR²RES process could lead to the setting up of **ad hoc** (short to medium term) activities, which in turn could lead to the release of statements, reports, facts and figures and briefings targeted towards participants and their communities, stakeholders and policy makers. Such outputs would be specifically designed to influence relevant research agendas, and marine and maritime policy.*

- Organised as a meeting/number of workshops
- Bi-annually at the occasion of a relevant high level event
- Consist of :
 - a brainstorm exercise to identify new areas of common interest
 - updates and reporting on ongoing/completed activities
- For each indentified subject one/two facilitators are appointed to set up an expertgroup responsible to further develop the subject
- Chairperson is responsible to organise the next event a chosen at the end of each event

The model is **not based on membership** and the potential participants can be, in principle all the stakeholders.

A participant can also be an individual person and not necessary a legal entity.

For the marine community, institutes and researchers dealing with marine and coastal environments are the most probable interested participants.

For the **maritime community, research institutes, research organizations and individual researchers** are the most probable interested participants. If and when, during the development in the identified research areas, the results will be mature for technological implementation and market-uptake then the maritime research community will liaise with the maritime industry for dissemination and exploitation of the results.

The **role of the ETPs** (WATERBORNE TP in particular) is to guarantee an efficient dissemination level in the maritime community making sure that the stakeholders are kept properly informed and have all elements to decide on their direct participation in the Conference.

Thematic scope

Impact of Maritime Transport on the Marine Environment (Biological and Chemical Impact)

1

2

Impact of Maritime Transport on the Marine Environment (Physical Impact)

Monitoring the Marine Environment and the Benefits of Metocean Data to Maritime Transport and Climate Change

3

4

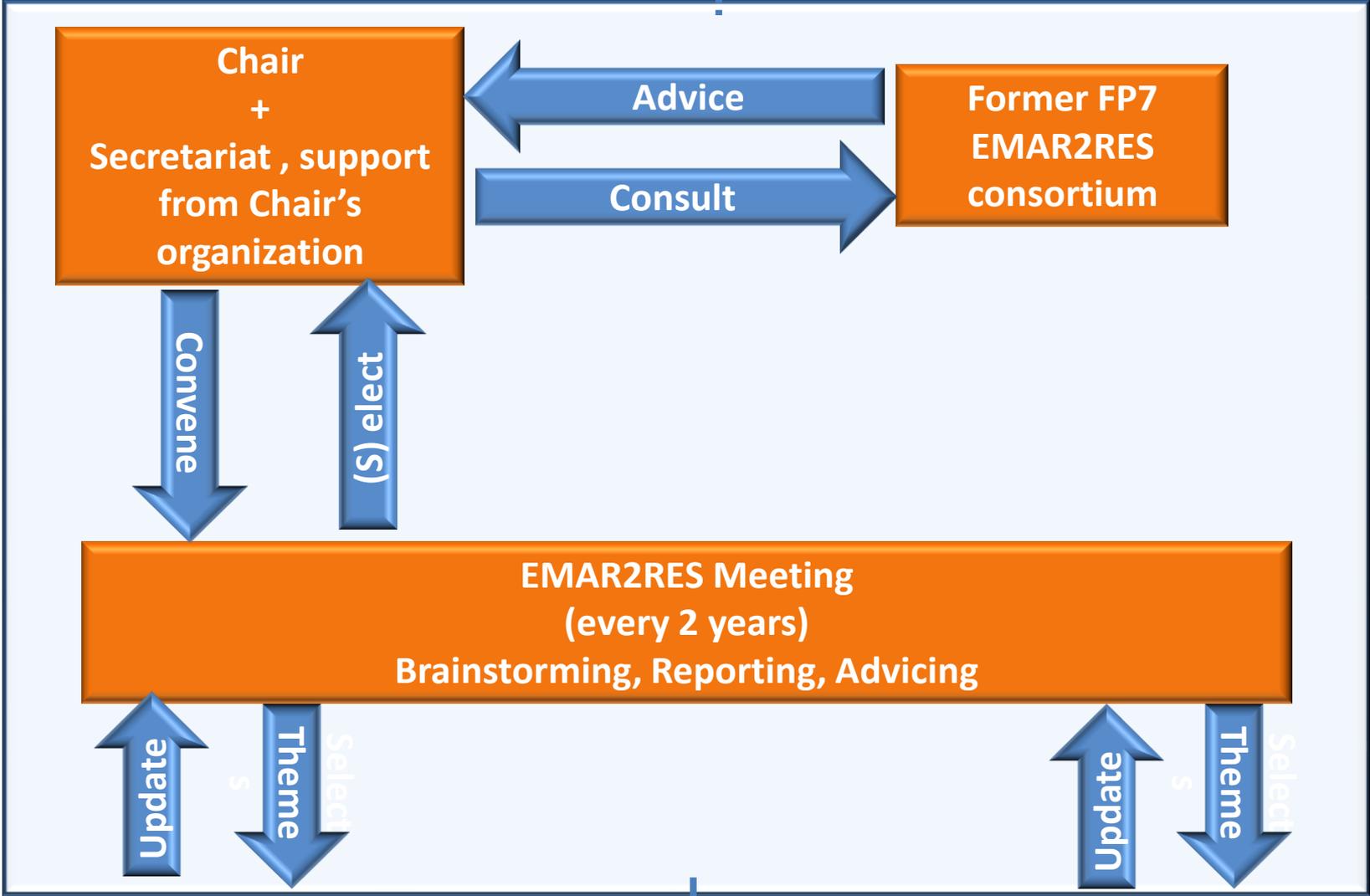
Impact of Climate Change on Maritime Transport

Operational structure & Governance



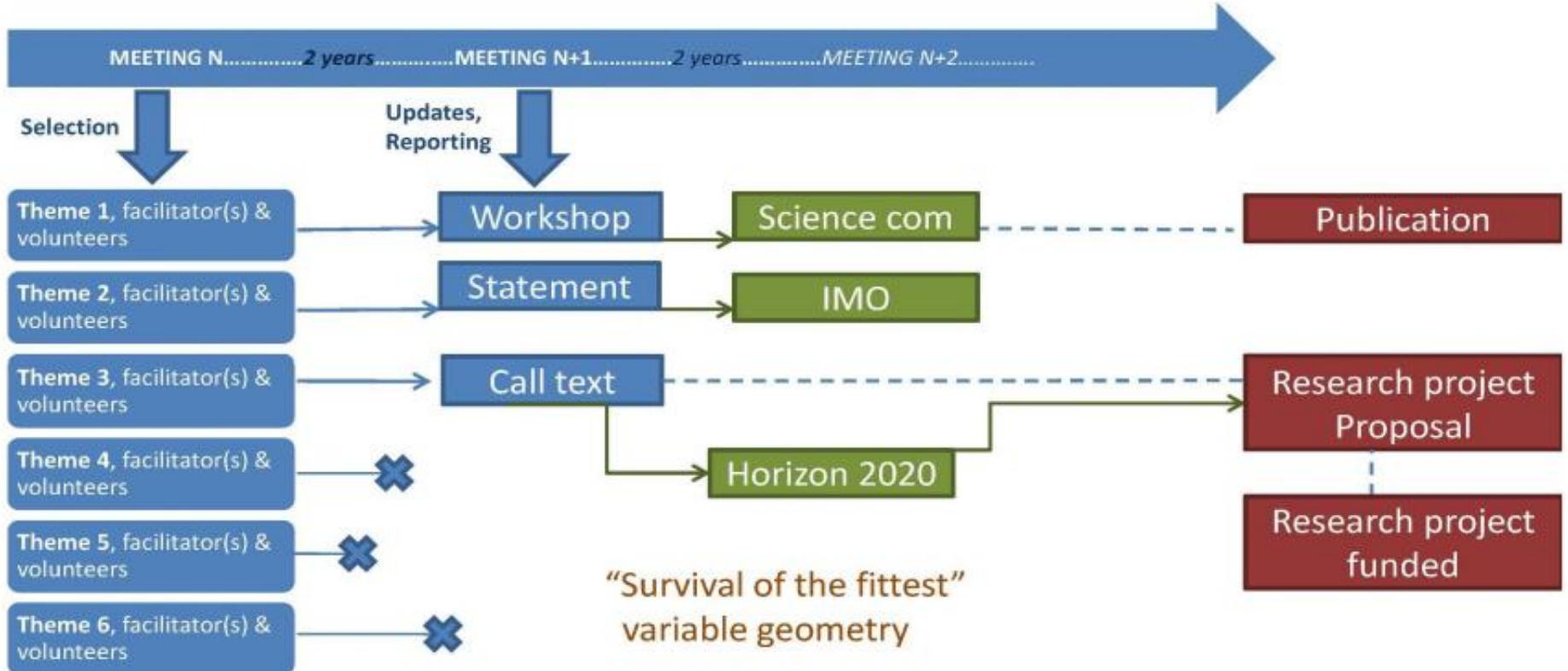
**Marine Science
Community**

**Maritime "Transport"
Science Community**



- An expert group could for instance :
 - Convene (a series) of workshops on their topic
 - Produce a joint (mar2) statement to flag the urgency to tackle a specific matter
 - Produce a publication with targeted recommendations to be taken up by relevant stakeholders
 - Draft texts of EU framework or memberstate programme type calls
- The developed foresight method can be used to enable post FP7 funding
- Create a EMAR2RES branding

Operational structure & Governance



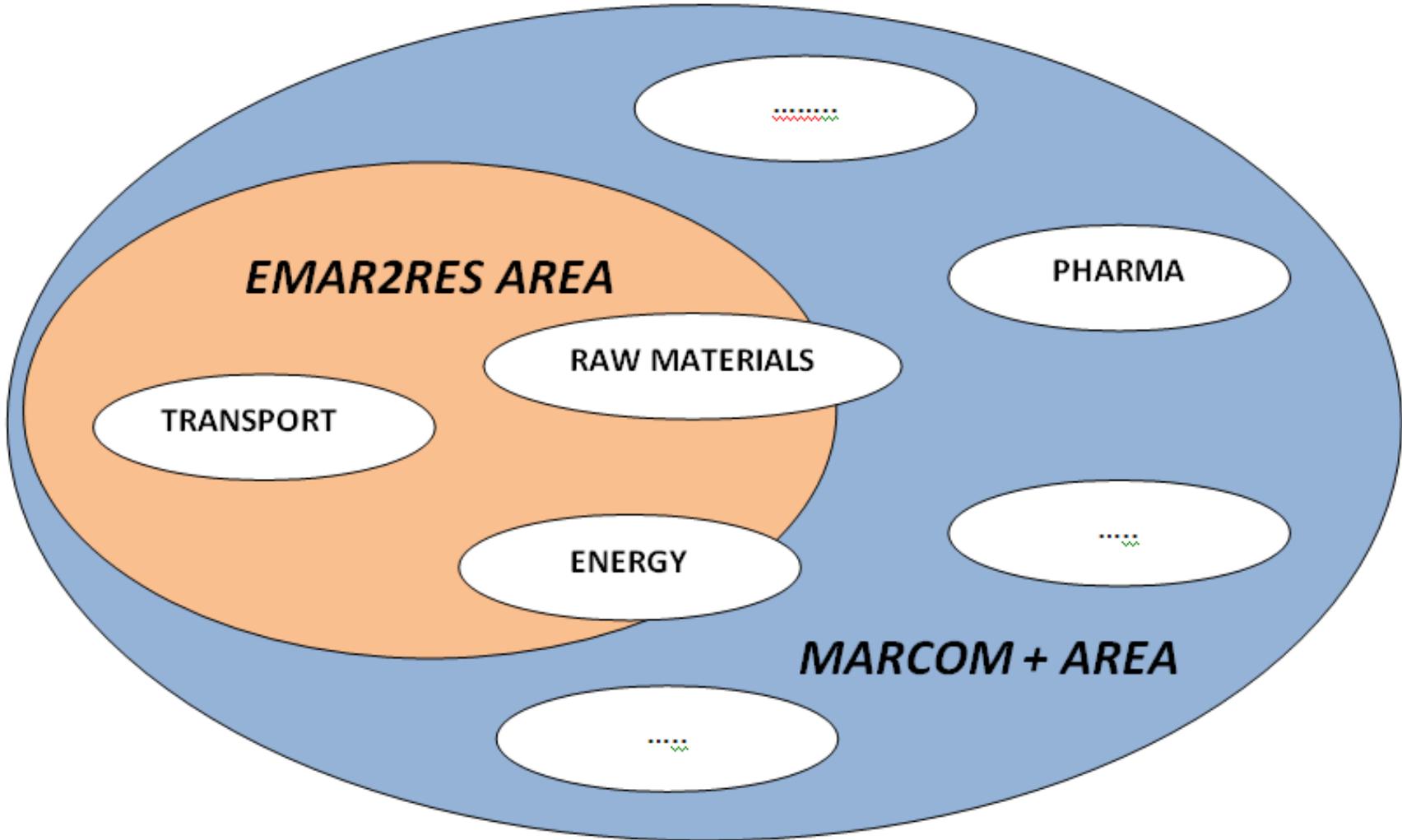
Products
<ul style="list-style-type: none"> • Workshops • Statements • Call texts (FP type) • ...

Targets
<ul style="list-style-type: none"> • European Commission • International Maritime Organization • Scientific community • ...

Principles
<ul style="list-style-type: none"> • Variable geometry • "Survival of the fittest"

Beyond EMAR ² RES « Spin offs »
<ul style="list-style-type: none"> • Publications • Research projects • ...

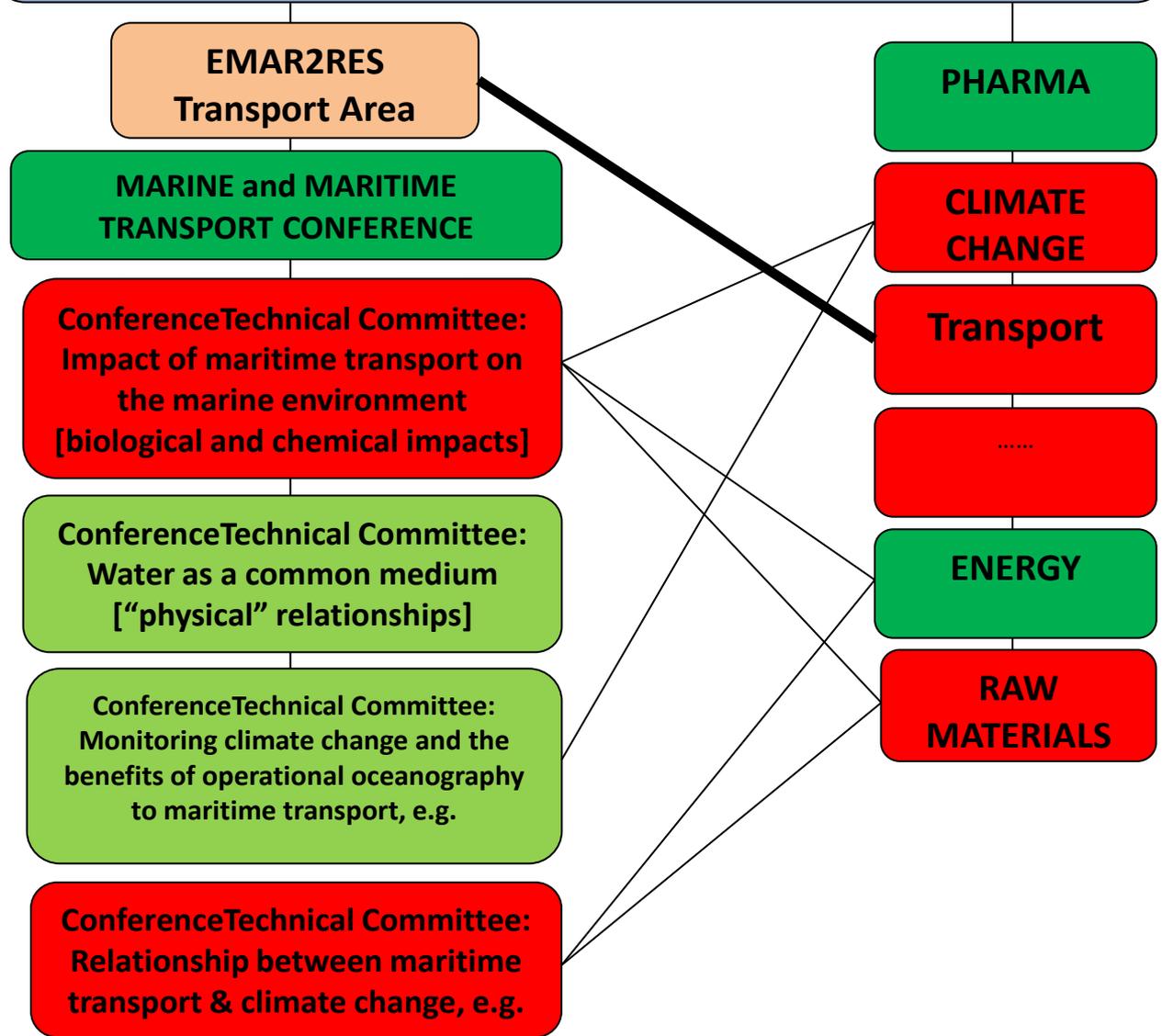
Relationship with MARCOM+ partnership



MARCOM+ and EMAR2RES Research Areas rea ritaglio schermata

MARCOM + Areas and Governance

Relationship with MARCOM+ partnership



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22nd March 2012

Bibliothèque Solvay, Brussels



Thank you