

This project has received funding from
the European Union's Horizon 2020
Research and Innovation Programme
under Grant Agreement No 824323



European forum and oBsErvatory for OPEN science in transport

Open Science Fair, September 20, 2021

Virtual

A TRANSPORT OBSERVATORY FOR PROMOTING OPEN SCIENCE

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Centre for Research and Technology Hellas (CERTH) / Hellenic Institute of Transport (HIT)



*H2020-MG-2018 Coordination
and Support Action*



Open Science



Goal

*Support the operationalization
of Open Science in the transport
domain at European level*

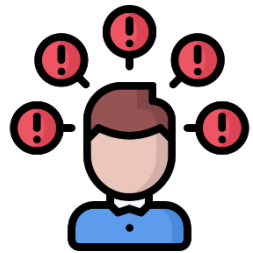
CONSORTIUM & THIRD PARTIES



- ✓ 17 partners
- ✓ 8 third parties
- ✓ 30-month project
- ✓ 32 Deliverables

(Third Parties)

BE OPEN's ROLE

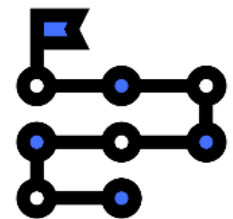


PROBLEM?

Building Open Science
platforms in transport
research

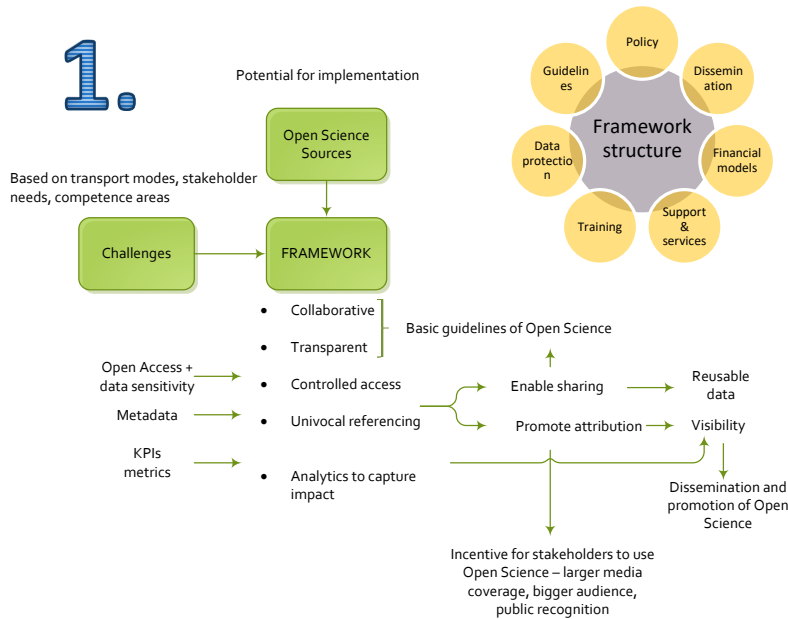


SOLUTION

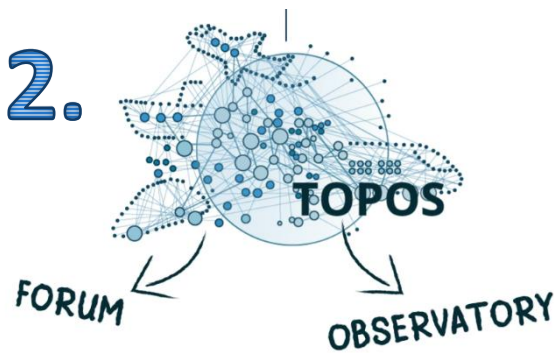


BE OPEN RESULTS

1.



2.



3.

European forum and observatory for OPEN science in transport

ANNEX 1 to deliverable D 4.4: European Code of Conduct on Open Science in Transport

Final

European forum and observatory for OPEN science in transport

DL4: European Code of Conduct on Open Science in Transport

European Code of Conduct on Open Science in Transport

Preamble

The "European Code of Conduct on Open Science in Transport" and the principles set forth in its Articles address all Stakeholders, consisting of researchers and students, private researchers, research institutions, organisations and universities, policy makers (on regional, national and international level), transport networks, NGOs and community organisations, commercial transport and logistics industry players as well as citizens for all their Open Science in Transport activities. Open Science in transport activities is perceived as any and every endeavour in all modes of the transportation, e.g.:

- using emerging technologies, such as IoT or AI, to increase efficiency and efficacy of mobility applications;
- developing software offering solutions of interest and applicability to the transportation sector;
- gathering, managing and/or analysing data from instruments, such as sensors, used in mobility applications and/or appliances; or
- using interdisciplinary data to create new solutions and applications in the transportation sector.

Thus, in conclusion, Open Science in transport activities strive for public access, secure management, ethical development and exploitation of research outcomes, using technologies, instruments and derived products in a wide range of disciplines dealing with mobility issues.

The adherence to the principles formulated in the Articles of this code of conduct does not release the Stakeholders from the obligation to adhere to the existing moral or legal norms or applicable laws; in particular, the statutory laws of the EU and the EU Member States remain untouched.

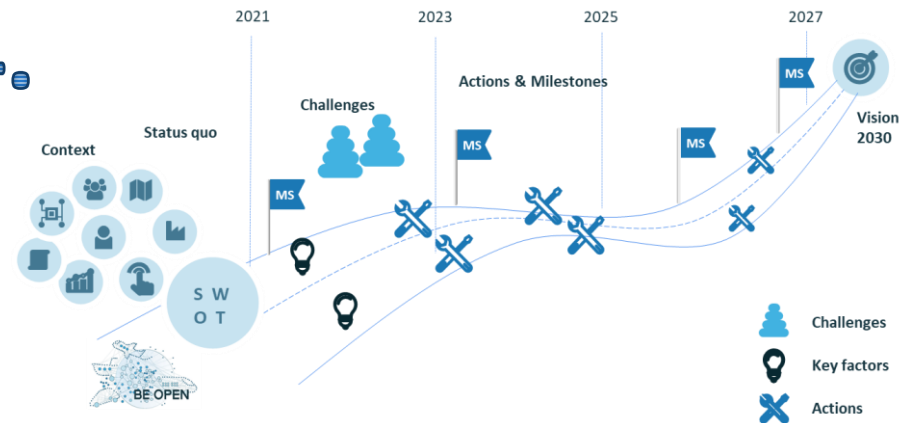
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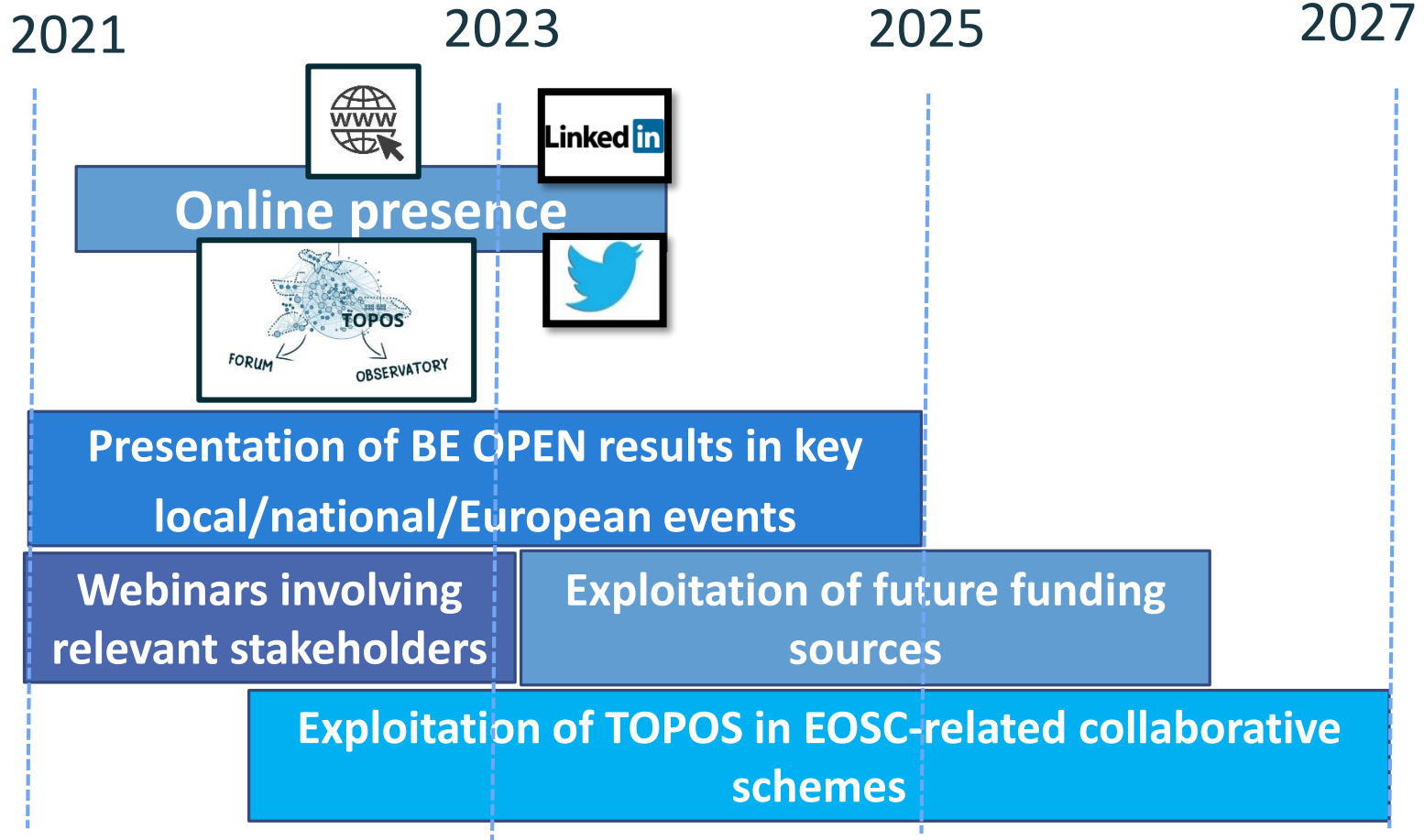
"We hereby declare that we commit ourselves to the "European Code of Conduct on Open Science in Transport" and its underlying principles".

2 | P a g e

4.

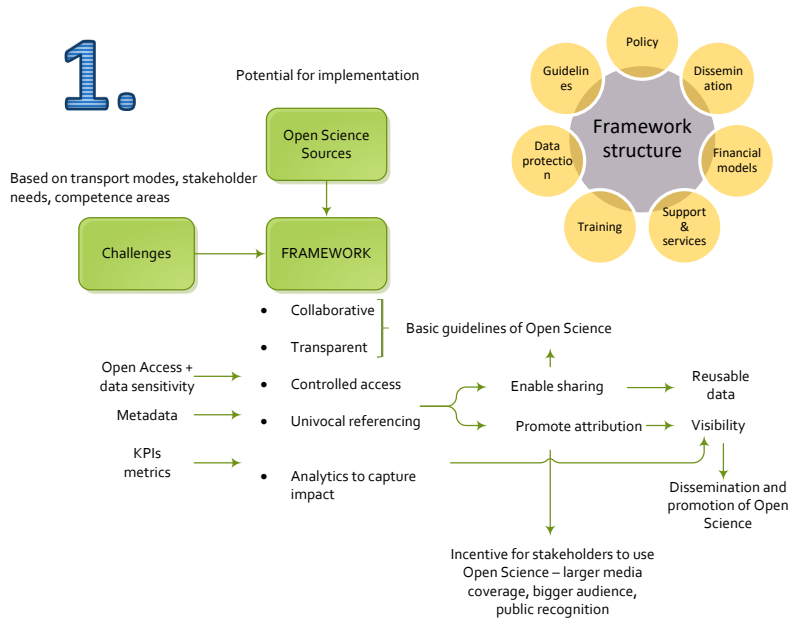


EXPLOITATION ROADMAP

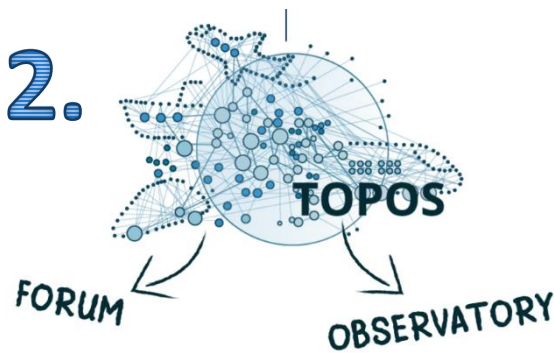


BE OPEN RESULTS

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European forum and observatory for OPEN science in transport

ANNEX 1 to deliverable D 4.4: European Code of Conduct on Open Science in Transport

Final

Project Acronym: BE OPEN
 Project Title: European forum and observatory for OPEN science in transport
 Project Number: 824823
 Topic: MG-4.2-2018 – Building Open Science platforms in transport research
 Type of Action: Coordination and support action (CSA)

European forum and observatory for OPEN science in transport

D4.4: European Code of Conduct on Open Science in Transport

European Code of Conduct on Open Science in Transport

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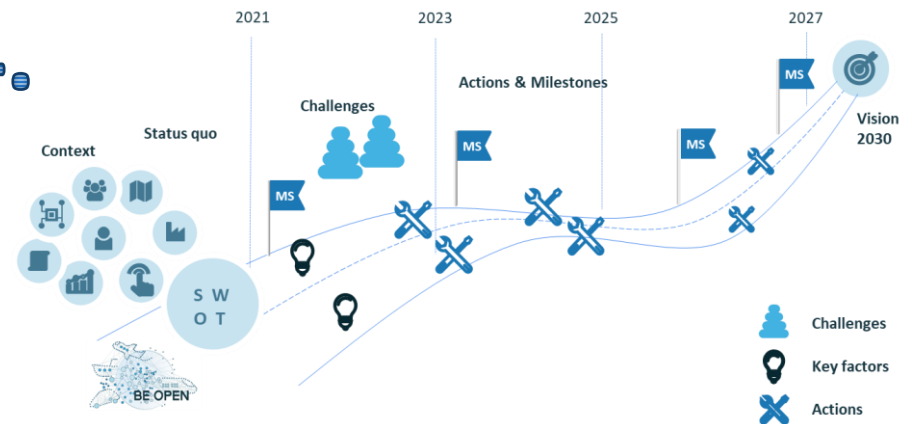
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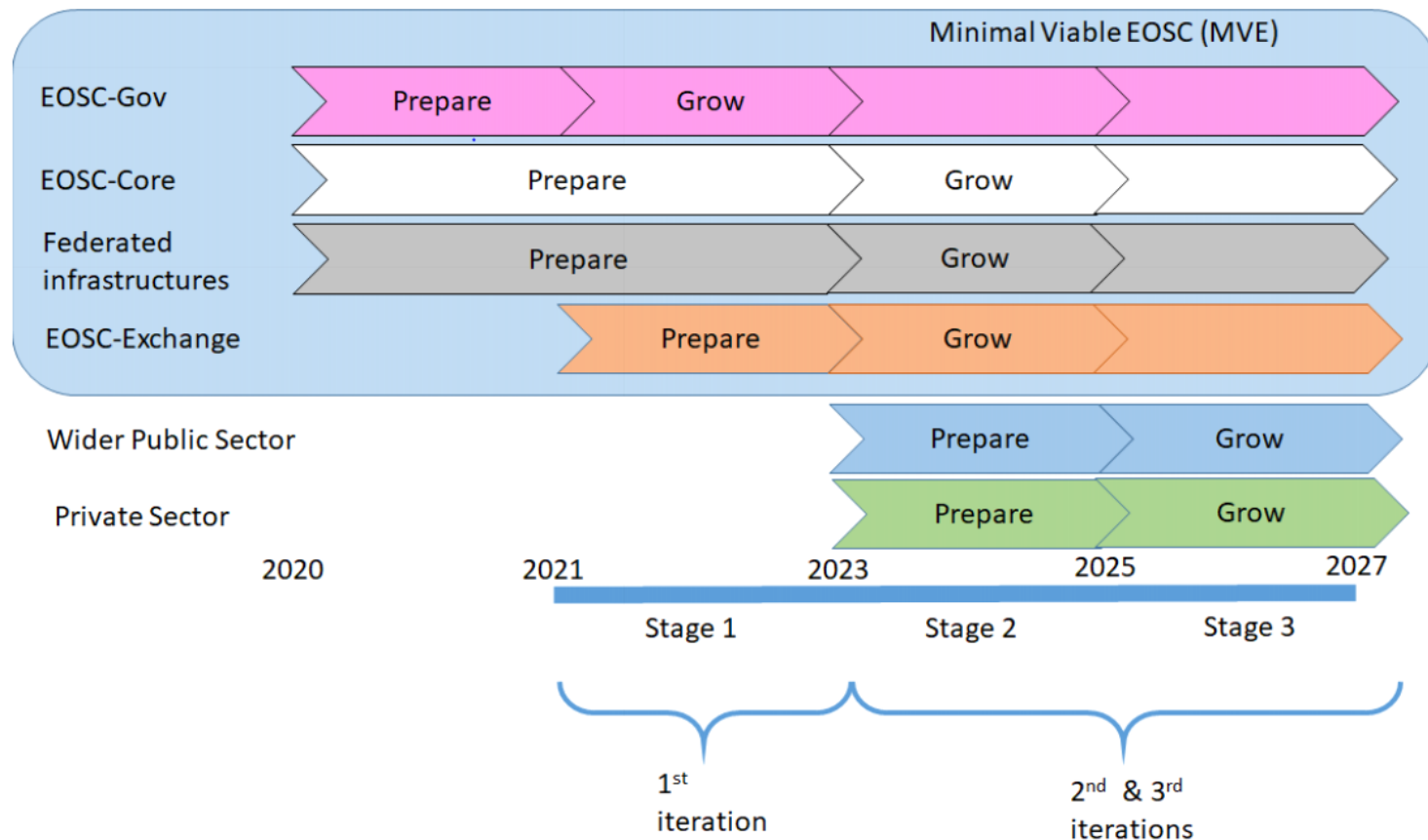
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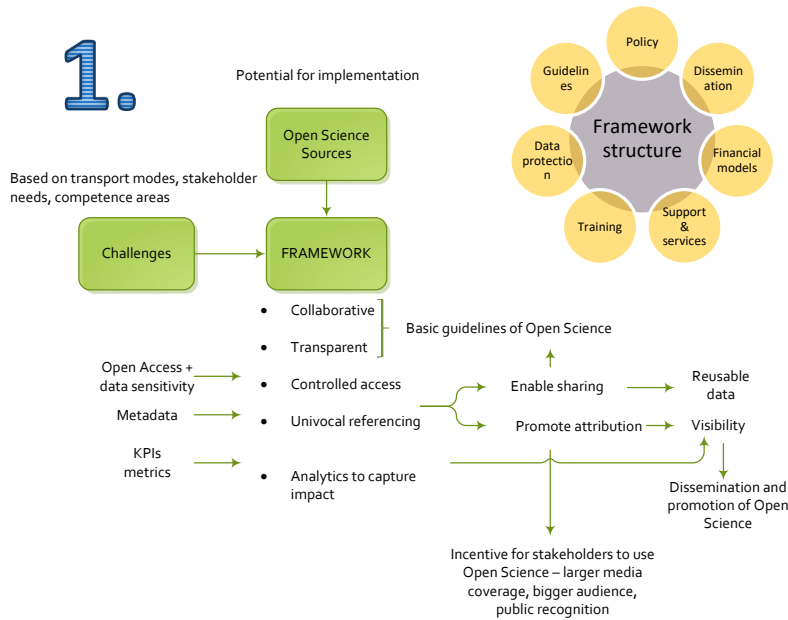
LINK TO EOSC STRATEGIC RESEARCH AND INNOVATION AGENDA (EOSC SRIA)



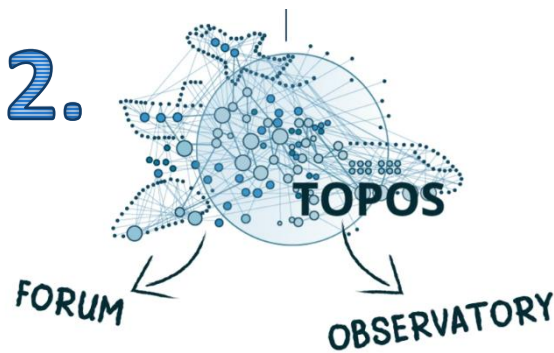
The roadmap to promote Open Science in transport research is aligned with the strategy of the European Open Science Cloud (EOSC).

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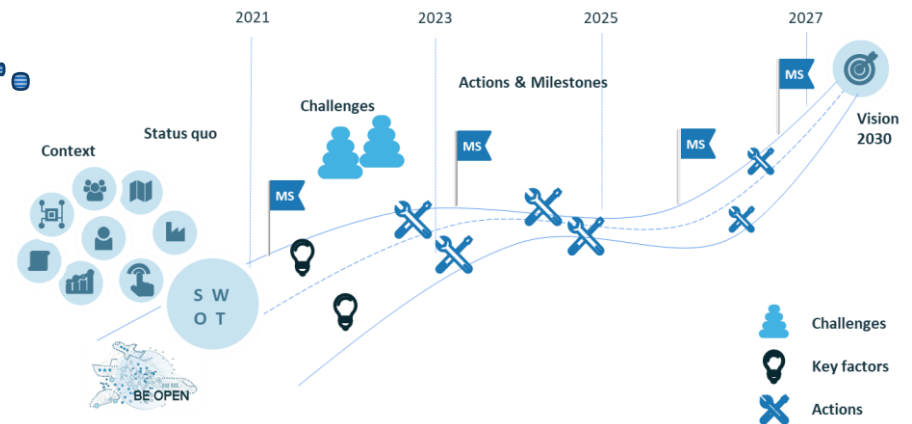
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WATERBORNE SECTOR ON TOPOS

The screenshot shows the TOPOS Forum homepage with four main transport categories: Multimodal, Rail, Air, and Road. Each category has a brief description and a list of challenges or projects. The 'Waterborne' category is highlighted with a red box and contains the following text:

Waterborne
relevant to boat, ship etc., over a body of water, such as a sea, ocean, lake, river, etc.

Process automation

6 In this case, it can be examined the usage of advanced IT applications and augmented reality for ship maneuvering during berth at the harbor area (automation level 3 applications).

- **TOPOS Forum** also includes waterborne sector
- **TOPOS Observatory** contains open access research outcomes on waterborne sector

*data assessed on 17th September 2021

The screenshot shows the TOPOS Observatory search results for the keyword "Ocean". The search bar contains "Ocean" and the results are filtered by "Transport Research". The "Access Mode" filter shows 1 Open Access result, which is circled in red. The total number of results is 203. The search results are sorted by Relevance. The first result is a publication titled "Is Full-autonomy the Way to Go Towards Maximizing the Ocean Potentials?".

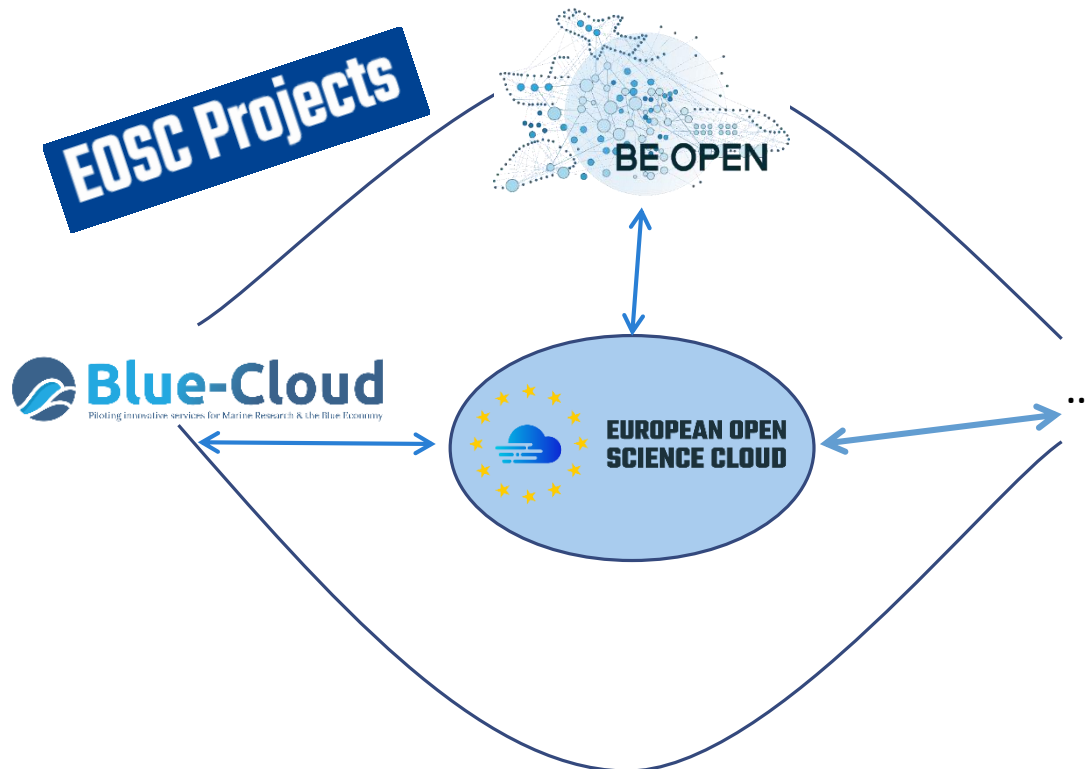
203
Research
outcomes*

The screenshot shows the TOPOS Observatory search results for the keyword "maritime". The search bar contains "maritime" and the results are filtered by "Transport Research". The "Access Mode" filter shows 1 Open Access result, which is circled in red. The total number of results is 1514. The search results are sorted by Relevance. The first result is a publication titled "Maritime Education and Research to Face the XXI-st Century Challenges in Gdynia Maritime University's Experience Part I – Maritime Universities Facing Today and Tomorrow's Challenges".

1514
Research
outcomes*

OPEN SCIENCE OPPORTUNITIES THROUGH COLLABORATION

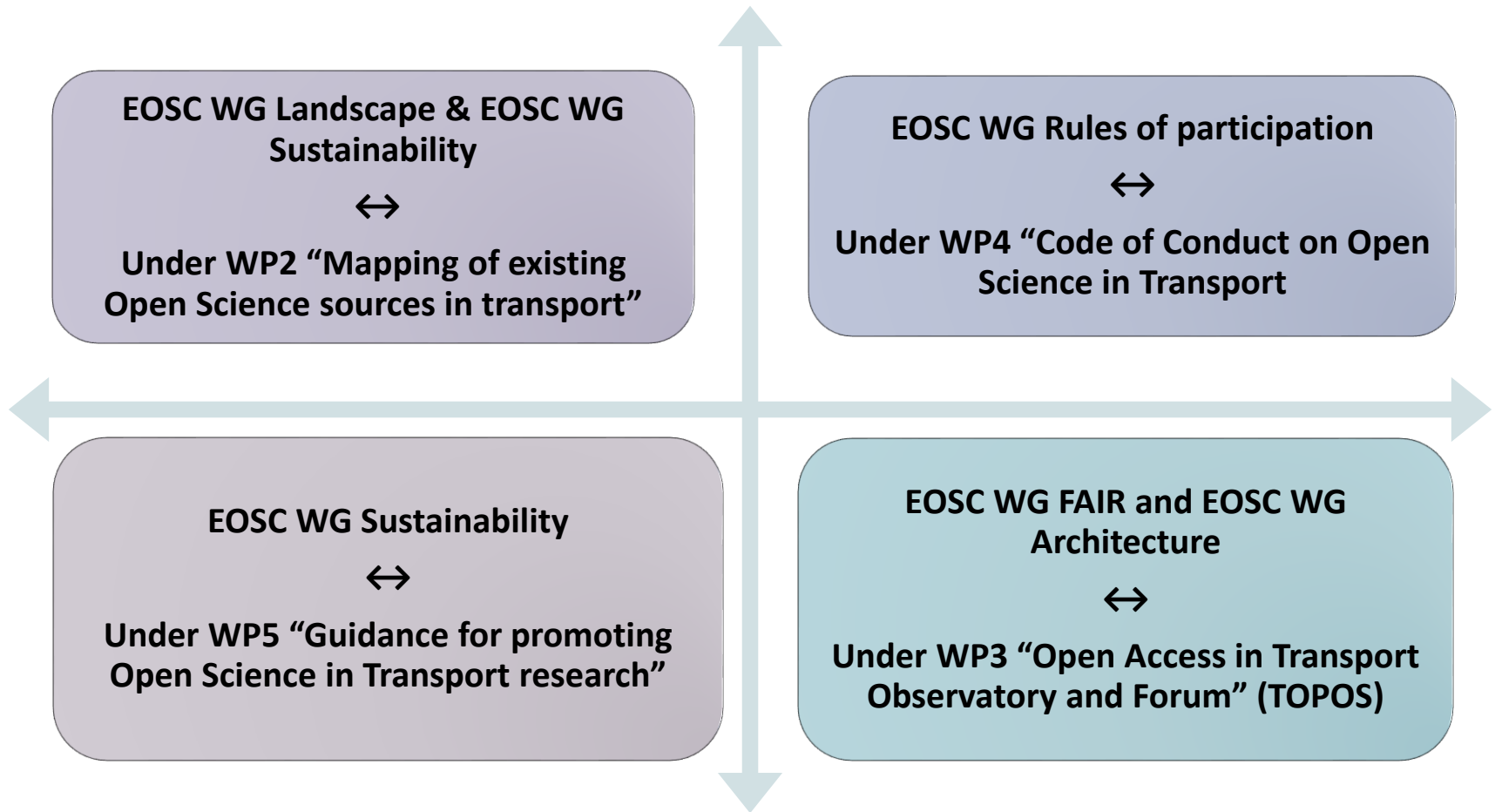
→ Cooperation with EU H2020 projects has been achieved:



→ **Blue-Cloud**

- Joint dissemination & communication activities
- Cyber Infrastructure & VRE
- Knowledge exchange

BE OPEN CAN CONTRIBUTE TO EOSC ECOSYSTEM



BE OPEN Community channels

→ Key Dissemination tools:

- [Project website](#)
- [LinkedIn](#) & [Twitter](#)
- [Zenodo](#)
- [Project video](#)

