BE OPEN
"European forum and oBsErvatory for OPEN science in transport"

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1 European Conference of Transport Research Institutes (ECTRI)
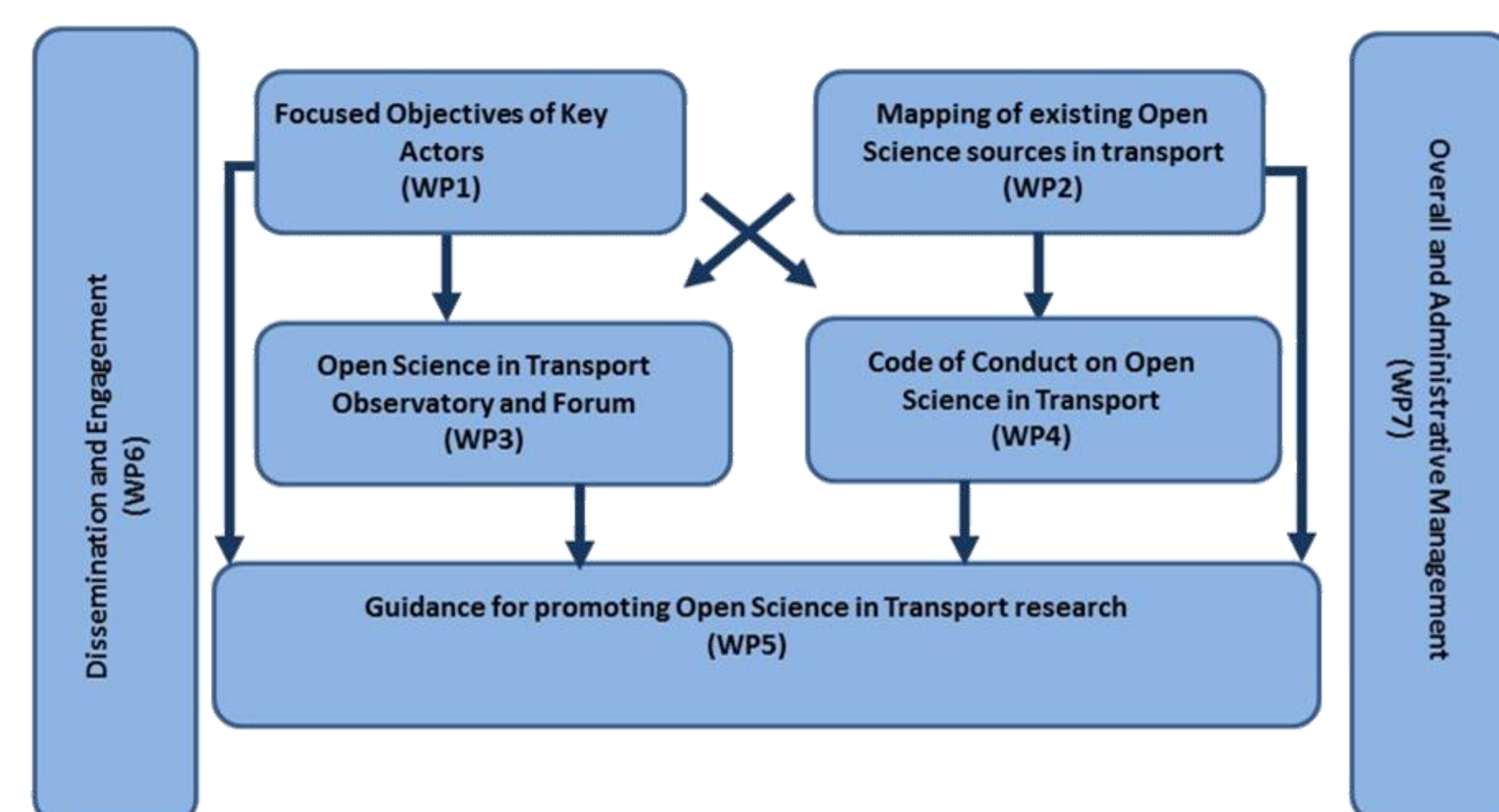2 Centre for Research and Technology (CERTH)/ Hellenic Institute of Transport (HIT)

ectri

CERTH
CENTRE FOR RESEARCH & TECHNOLOGY HELLAS

INTRODUCTION

The BE OPEN "European forum and oBsErvatory for OPEN science in transport" project aims to create a **common understanding on the practical impact of Open Science and to identify and put in place the mechanisms to make it a reality in transport research.**
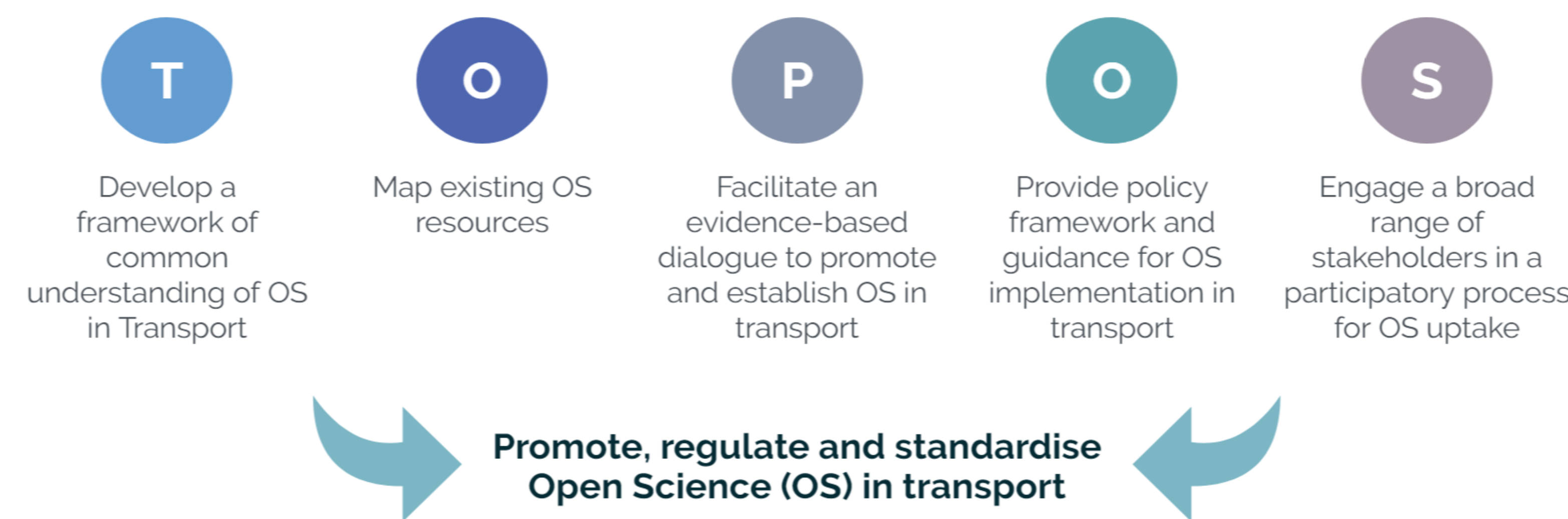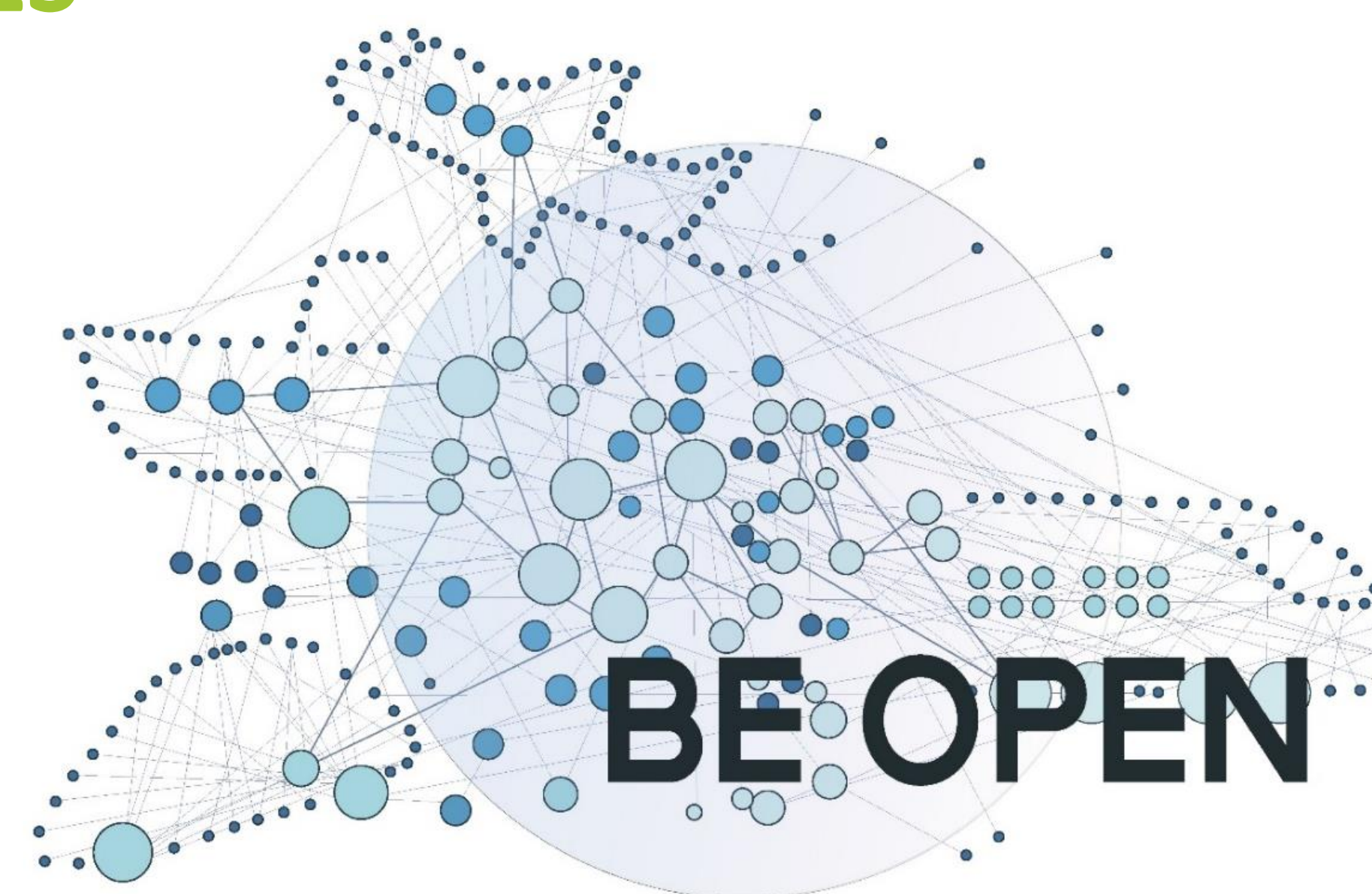
Achieving Open Access to publications, making their underlying data FAIR (Findable, Accessible, Interoperable, Reusable) and open where possible, and using open and collaborative processes and infrastructure via the European Open Science Cloud (EOSC) will be key factors in making transportation researchers share-reuse-reproduce science and in bringing such a critical sector closer to the society for enabling open innovation and citizen science. Openness, transparency, fairness, reproducibility of science are key aspects around which BE OPEN will seek to establish the ground rules for the transport research communities, ultimately establishing a community of transport research organizations willing to work on the basis of a **commonly agreed "Open Science Code of Conduct"**.

To this end, BE OPEN has brought on board key transport and open science related communities in a **two-fold action plan**: to engage them in a **participatory** approach fostering a dialogue on Open Science (what exists, what should be done, how it should be done) among relevant stakeholders in Europe and around the world, and develop a **detailed roadmap for the implementation of sustainable open science modules** which include key practices, infrastructures, policies and business models, all taking into account the specificities of the transport research domain, and the **use and integration of existing-infrastructures and the EOSC initiative.**

WORK PLAN

OBJECTIVES

Develop a framework of common understanding of OS in Transport

Map existing OS resources

Facilitate an evidence-based dialogue to promote and establish OS in transport

Provide policy framework and guidance for OS implementation in transport

Engage a broad range of stakeholders in a participatory process for OS uptake

Promote, regulate and standardise Open Science (OS) in transport

MAIN OUTPUTS

- developing a **framework of common understanding** for realizing Open Science services that will provide technical interoperability, data and information interoperability and legal interoperability;
- developing the **TOPOS forum and observatory for different stakeholders** to support an evidence-based dialogue;
- providing a **roadmap and concrete guidelines for operationalizing Open Science services** and guide key actors on how to adopt and adapt Open Science services in their research workflows; and
- designing **a Code of Conduct** for adopting them considering the main legal and security issues for their implementation.

EXPECTED IMPACTS

- TOPOS forum and observatory tools will contribute to creating a **solid knowledge base on the implementation of Open Science** approach in transport research
- **Governance and new operational/business models** will be developed for enhancing Open Science by describing the rationale of how to create and capture value in economic and social context
- The **European Code of Conduct on Open Science** in transport will be developed proposing recommendations and proper guidelines that allow setting up a community of transport research organizations
- **Awareness and visibility** (authorities, Industrial and SMEs Associations in Transport, Publishing Companies, and the various European Technology Platforms, and strong media coverage) will be created
- **International stakeholders** will be engaged in mutual learning and sharing experiences

UPCOMING EVENT

Interested in knowing more about Open Science ? And contribute to the discussion? **Join us at the TRA 2020 conference, in Helsinki (Finland) on April 28, for the** OPEN SCIENCE IN TRANSPORT FOCUS SESSION**!**

JOIN OUR COMMUNITY

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