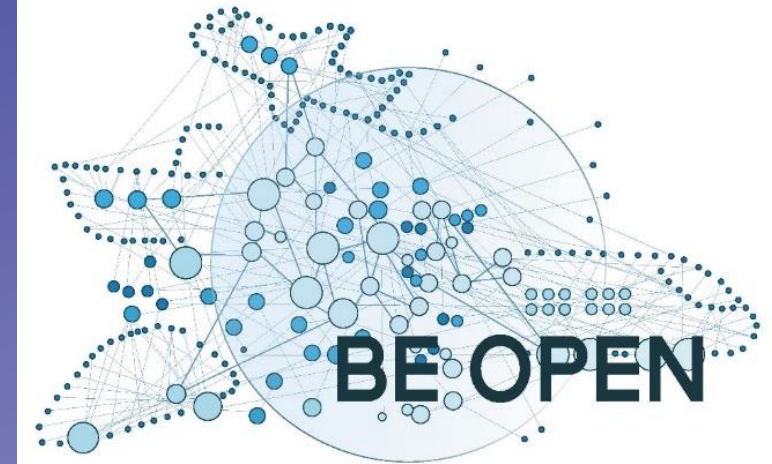


OpenAIRE collaboration with **BE OPEN**

European forum and observatory for OPEN science in transport

Harry Dimitropoulos
Athena Research & Innovation Center



OpenAIRE Week - General Assembly, Public sessions | Oct 16, 2020



@openaire_eu



BE OPEN



Duration: 30 months

Start Date: 01-01-2019

Call: H2020-MG-2018-SingleStage-INEA

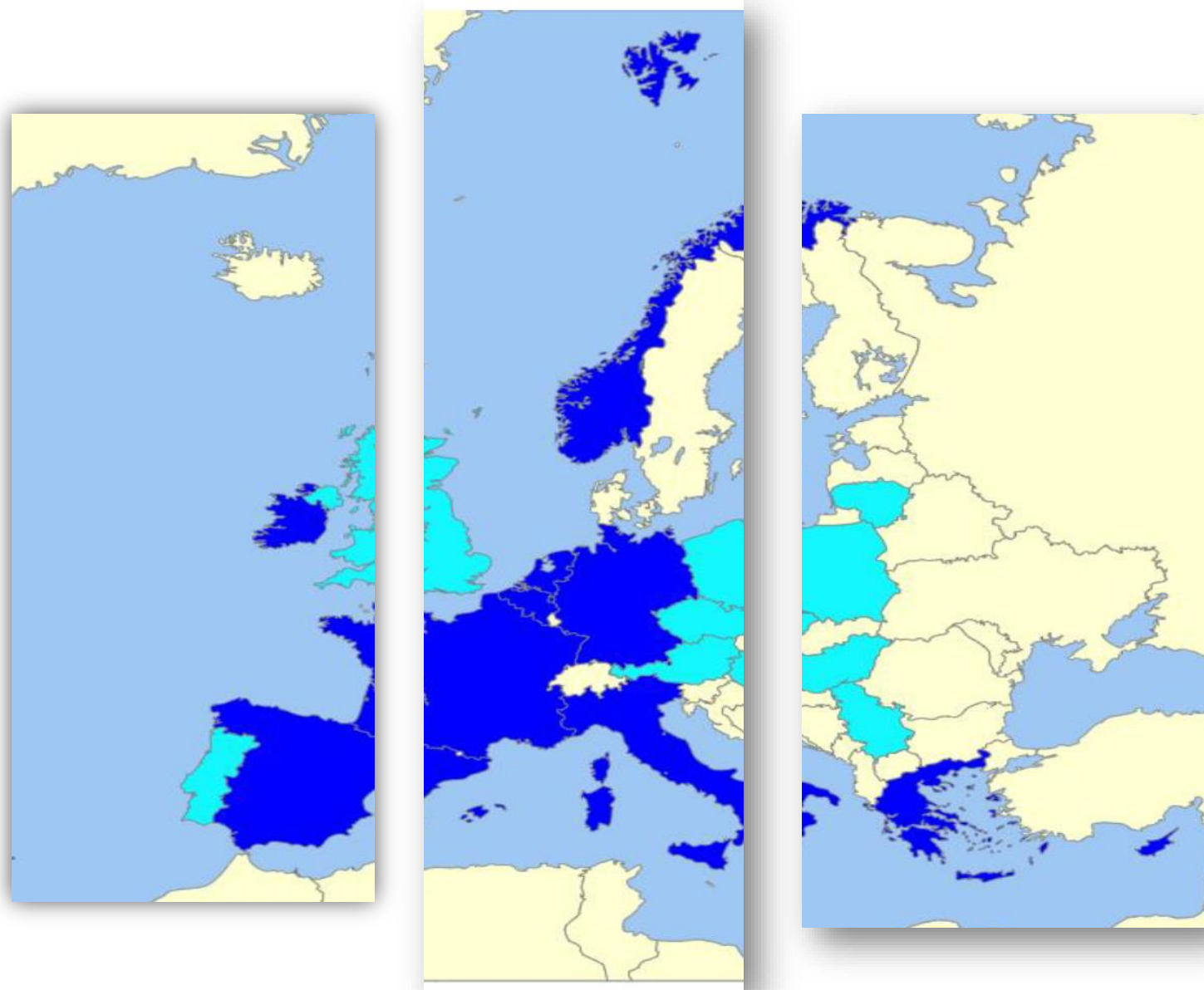
*Type of Action: Coordination and Support
Action*

GA Number: 824323

Overall Budget: € 1,997,283.75

EU Contribution: € 1,997,283.75

GEOGRAPHICAL COVERAGE



- ✓ 17 partners
- ✓ 8 third parties
- ✓ 8 Work Packages
- ✓ 32 Deliverables

CONSORTIUM & THIRD PARTIES

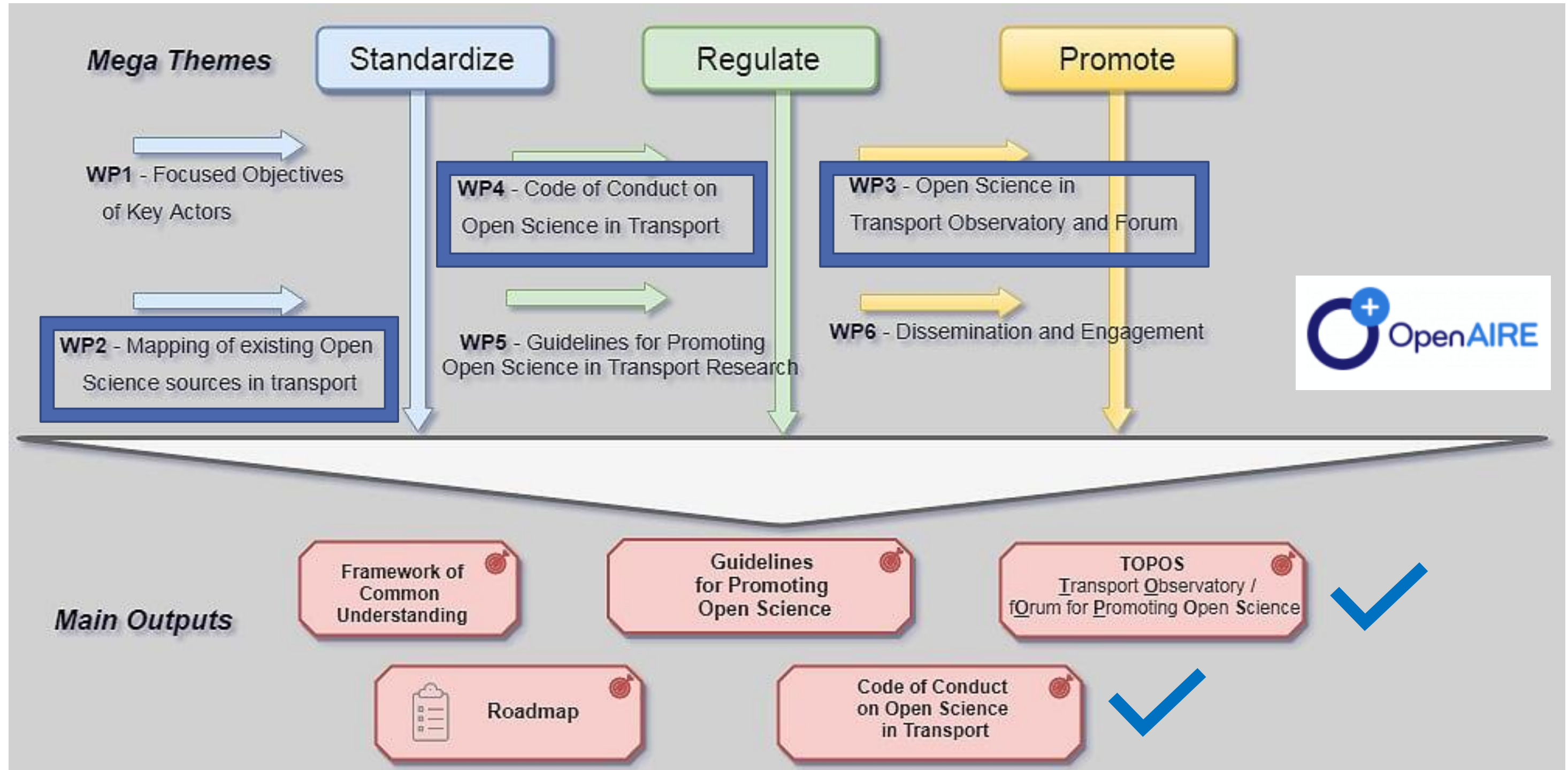


(Third Parties)

TRANSPORT FORUM/OBSERVATORY FOR PROMOTING OPEN SCIENCE



MEGA THEMES



OpenAIRE for BE OPEN

- **Delivered the Be Open Research Gateway on Transport Research**
 - A single entry point for discovering research products available in the OpenAIRE Research Graph relevant to Transport Research,
 - available at <https://beta.beopen.openaire.eu> since October 2019
 - Initial configuration based on identification of relevant research products analysed from deliverables produced in WP1 & WP2
 - OpenAIRE supports domain experts in the consortium to fine tune the configuration
- Further developed and enhanced → TOPOS observatory for *organisations* (one of the two main user categories identified)

Be Open Research Gateway on Transport Research



SUMMARY	PUBLICATIONS 127,684	RESEARCH DATA 3,275	SOFTWARE 37	OTHER RESEARCH 26,789	ANALYTICS
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Publications

39,215

Total

1,336

Total linked projects

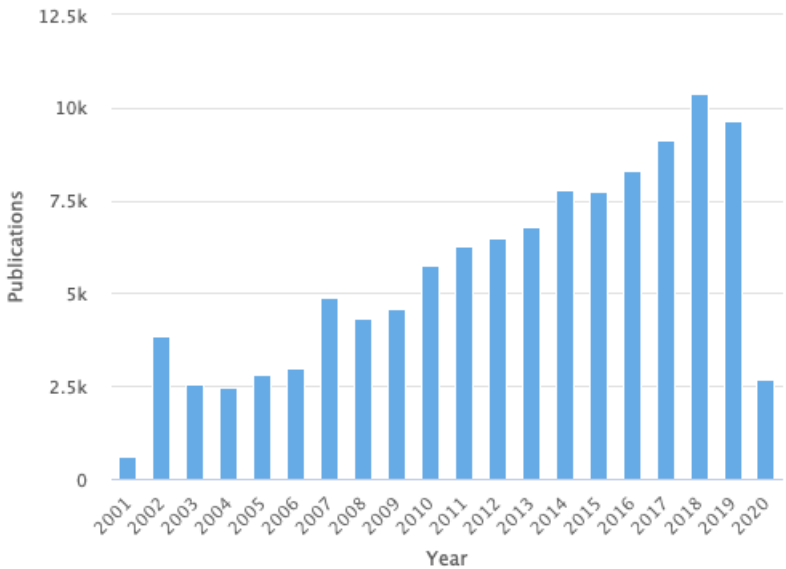
34,580

Open access

909

Closed access

Publications per year



Publication

BETA

BE OPEN

DEPOSITLINKSEARCHABOUTSIGN IN

Transport Research

Research outcomes

Search by title, author, abstract, DOI, orcid...

SEARCH

Advanced Search

SUMMARY

PUBLICATIONS
127,684

RESEARCH DATA
3,275

SOFTWARE
37

OTHER RESEARCH
26,789

ANALYTICS

The Transport Research community gateway is supported by the EC H2020 BEOPEN project (824323)

Curated by: [Dr. Maria Tsami](#)

Created: 14-Oct-2019 Members: 7

Projects: [370](#) Content Providers: [21](#)

Linked to [14](#) Zenodo Communities

Subjects

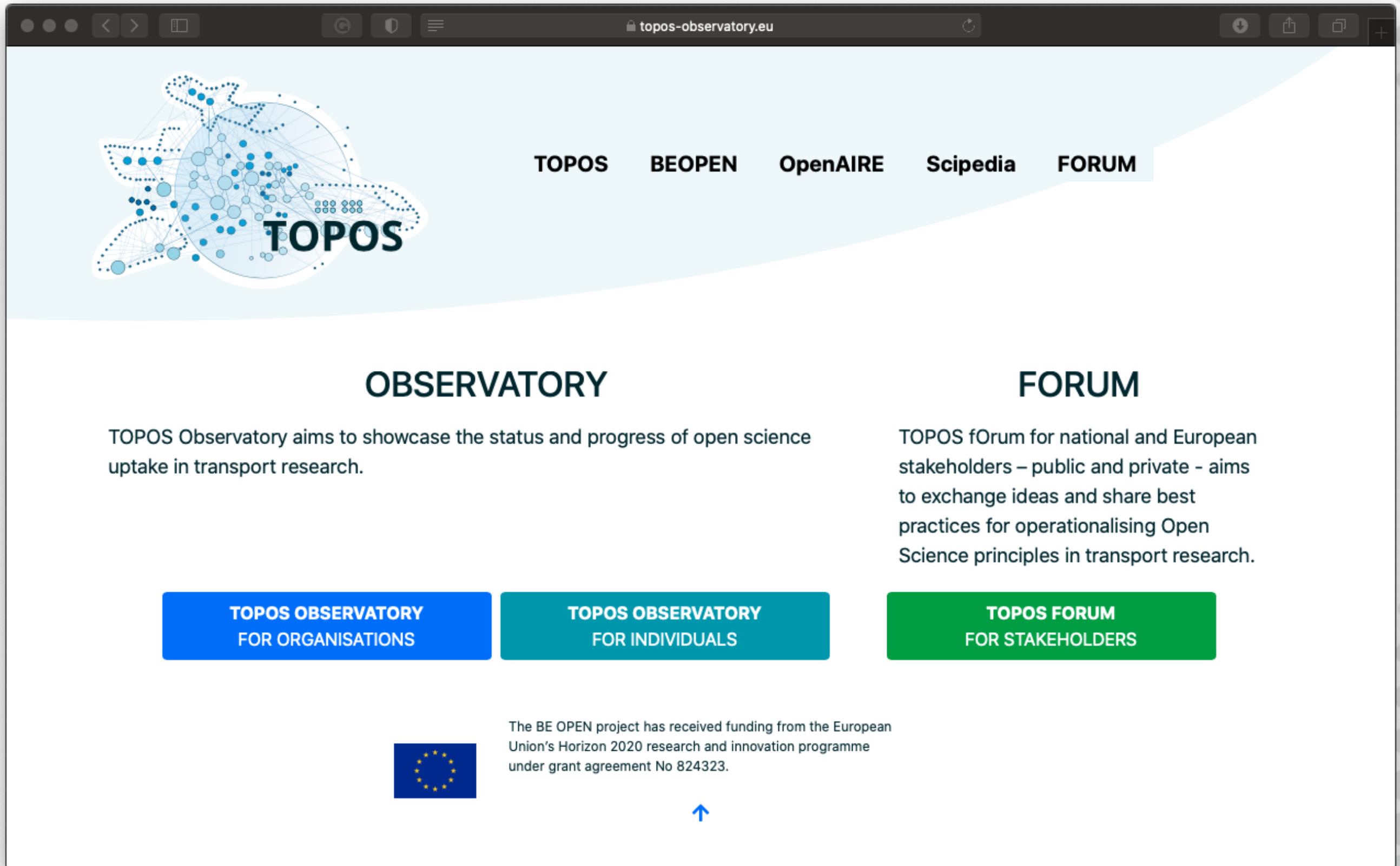
[Green Transport](#), [City mobility systems](#), [Vulnerable road users](#), [Traffic engineering](#), [Transport electrification](#), [Intermodal freight transport](#), [Clean vehicle fleets](#), [Intelligent mobility](#), [Inflight refueling](#), [District mobility systems](#), [Navigation and control systems for optimised planning and routing](#), [European Space Technology Platform](#), [European Transport networks](#), [Green cars](#), [Inter-modality infrastructures](#), [Advanced Take Off and Landing Ideas](#), [Sustainable urban systems](#), [port-area railway networks](#), [Innovative forms of urban transport](#), [Alliance for Logistics Innovation through Collaboration in Europe](#)

[View all](#)



TOPOS Observatory

<https://www.topos-observatory.eu/>



The screenshot shows the homepage of the TOPOS Observatory. At the top left is the TOPOS logo, which features a stylized map of Europe composed of blue dots and lines, with the word "TOPOS" in bold black letters. To the right of the logo is a navigation bar with five links: "TOPOS", "BEOPEN", "OpenAIRE", "Scipedia", and "FORUM". Below the navigation bar, the page is divided into two main sections: "OBSERVATORY" and "FORUM". The "OBSERVATORY" section contains the text: "TOPOS Observatory aims to showcase the status and progress of open science uptake in transport research." Below this text are two buttons: "TOPOS OBSERVATORY FOR ORGANISATIONS" (blue) and "TOPOS OBSERVATORY FOR INDIVIDUALS" (teal). The "FORUM" section contains the text: "TOPOS fOrum for national and European stakeholders – public and private - aims to exchange ideas and share best practices for operationalising Open Science principles in transport research." Below this text is a green button: "TOPOS FORUM FOR STAKEHOLDERS". At the bottom of the page, there is a European Union flag logo, followed by the text: "The BE OPEN project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 824323." A small blue upward-pointing arrow is located below the text.

TOPOS **BEOPEN** **OpenAIRE** **Scipedia** **FORUM**

OBSERVATORY

TOPOS Observatory aims to showcase the status and progress of open science uptake in transport research.

TOPOS OBSERVATORY FOR ORGANISATIONS **TOPOS OBSERVATORY FOR INDIVIDUALS**

FORUM

TOPOS fOrum for national and European stakeholders – public and private - aims to exchange ideas and share best practices for operationalising Open Science principles in transport research.

TOPOS FORUM FOR STAKEHOLDERS

The BE OPEN project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 824323.

TOPOS Forum

<https://forum.topos-observatory.eu/>

The screenshot shows the TOPOS Forum website. The browser address bar displays 'forum.topos-observatory.eu'. The website header includes a TOPOS logo, navigation icons, and links for 'Register' and 'Login'. The main content area features five topic cards: 'Road' (green background, truck icon), 'Air' (cyan background, airplane icon), 'Rail' (orange background, train icon), 'Water' (blue background, ship icon), and 'Multimodal' (yellow background, network icon). Each card provides a brief description of its relevance. A central card titled 'Cooperation at national and international level' contains a post with a red 'A' icon, dated 'Sep 2, 2020, 1:56 PM', and a 'read more' link. The footer includes the European Union flag, a statement about funding from the Horizon 2020 programme, and the text 'TOPOS Forum • Developed by CERTH/HIT'. A small white button with a double-headed arrow is located in the bottom right corner of the browser window.

Road
relevant to cars, trucks, busses, PTWs, etc.

Air
relevant to helicopters, airplanes, jet aircrafts, etc.

Rail
relevant to vehicles which run on tracks (trains, trams, etc.)

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

Multimodal
the combination of different means of transport

Cooperation at national and international level

A Support innovation and research in aviation sector to remain on the competitive level.
Sep 2, 2020, 1:56 PM • [read more](#)

The **BE OPEN** project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 824323.

TOPOS Forum • Developed by [CERTH/HIT](#)

TOPOS Forum

<https://forum.topos-observatory.eu/>



Legal/Regulatory

regulations, action plans, policy instruments, incentives etc.



Technological

new technologies and innovative actions applied for technological improvements, processes automation etc.



Transport planning

actions, plans and initiatives related to sustainable transport vision



Business modelling

actions and methods to earn revenues and achieve higher performance



Socioeconomic

actions, plans and initiatives for achieving higher finance, better accessibility, higher level of service etc.



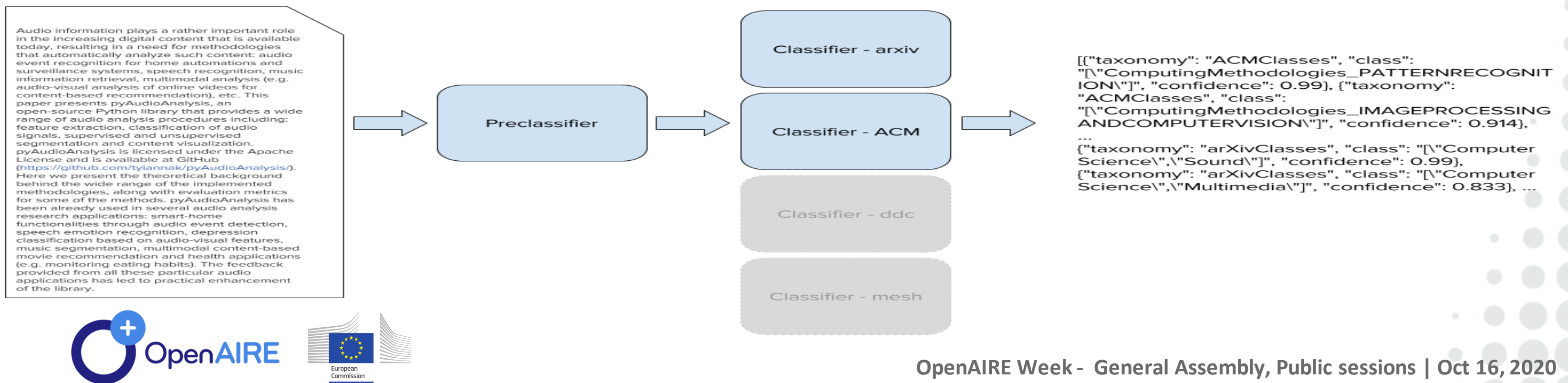
Environmental

actions, plans and initiatives to minimize pollutant emissions, greenhouse effect, noise pollution etc.

OpenAIRE's Document Classification

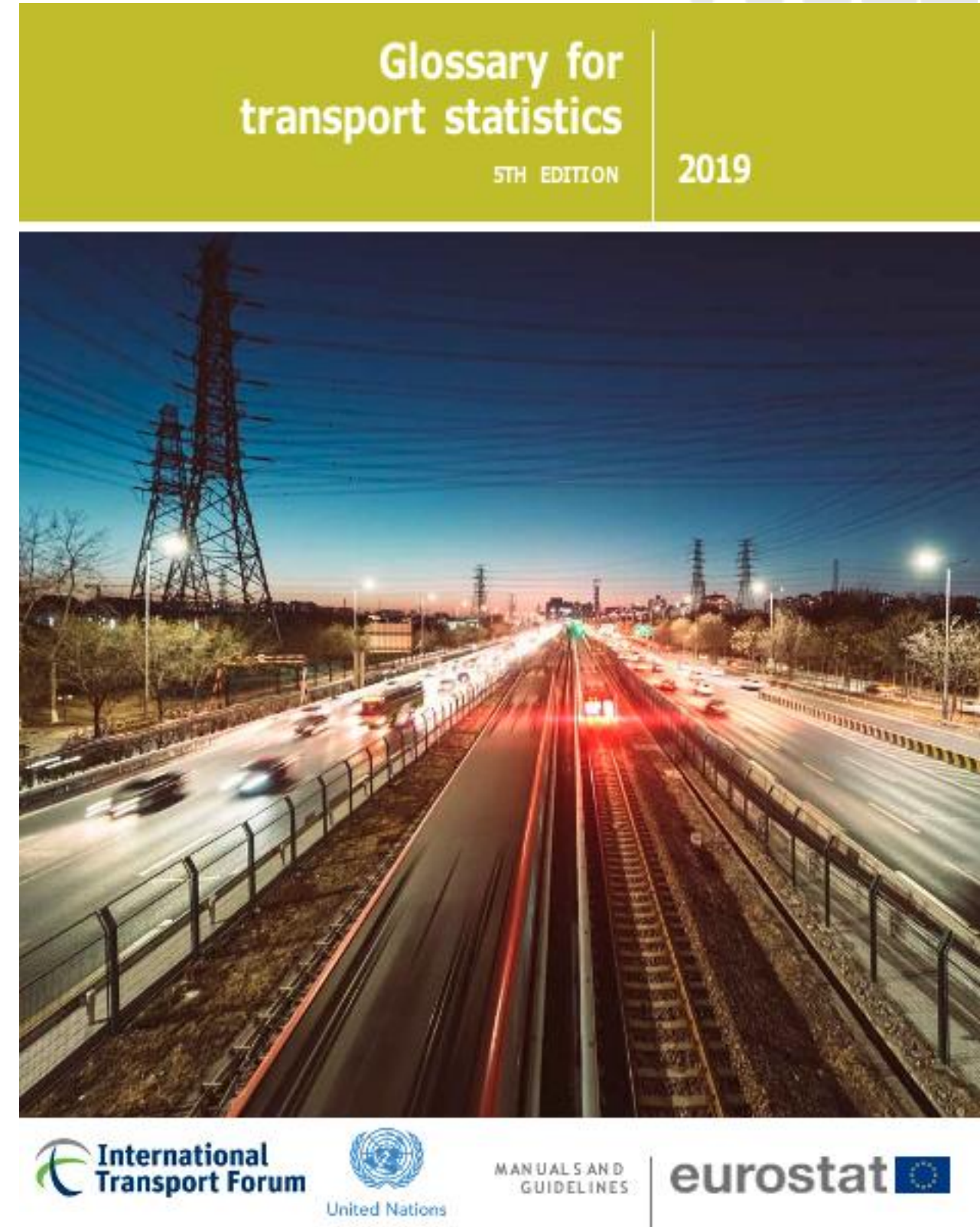


- Mines the full text of publications in order to perform content-based classification using given taxonomies
 - arXiv
 - MeSH (Medical Subject Headings)
 - ACM
 - DDC (Dewey Decimal Classification, or Dewey Decimal System)



Transport Classifier

- Taxonomy based on the latest (5th) edition of the “Glossary for Transport Statistics”
 - A. Railway Transport
 - B. Road Transport
 - C. Inland Waterway Transport
 - D. Pipeline Transport
 - E. Maritime Transport
 - F. Air Transport
 - G. Intermodal Freight Transport
 - H. Energy Consumption
 - I. Environmental Impact of Transport
 - J. Passenger Mobility
- No annotated/labelled large corpus of publications in transport research for training the classifier.
- Seed the classifier with publications and metadata from the Be Open Research Gateway.

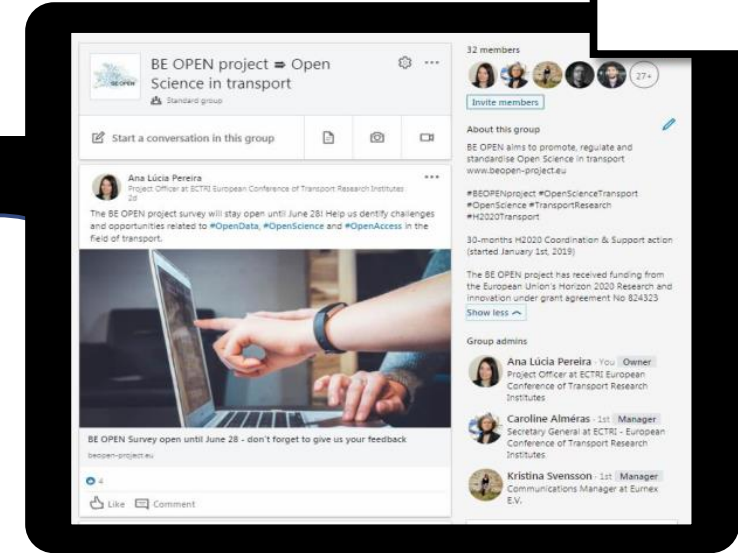


BE OPEN ONLINE

<https://beopen-project.eu>



LinkedIn



Join our community



beopen-project.eu



[@OpenScTransport](https://twitter.com/OpenScTransport)



[BE OPEN Group](#)



[Newsletter](#)



[BEOPEN community](#)



Thank you!

Harry Dimitropoulos (ARC)

Afroditi Anagnostopoulou (CERTH/HIT)

Attila Akac (CERTH/HIT)

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