

This project has received funding from
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TOPOS Forum and Observatory

A single-entry point to explore, share & discuss transport research

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Why TOPOS

Open science in transport research is in the making

Transport community is diverse, with different needs

Sharing of data among research, industry and public agencies is crucial

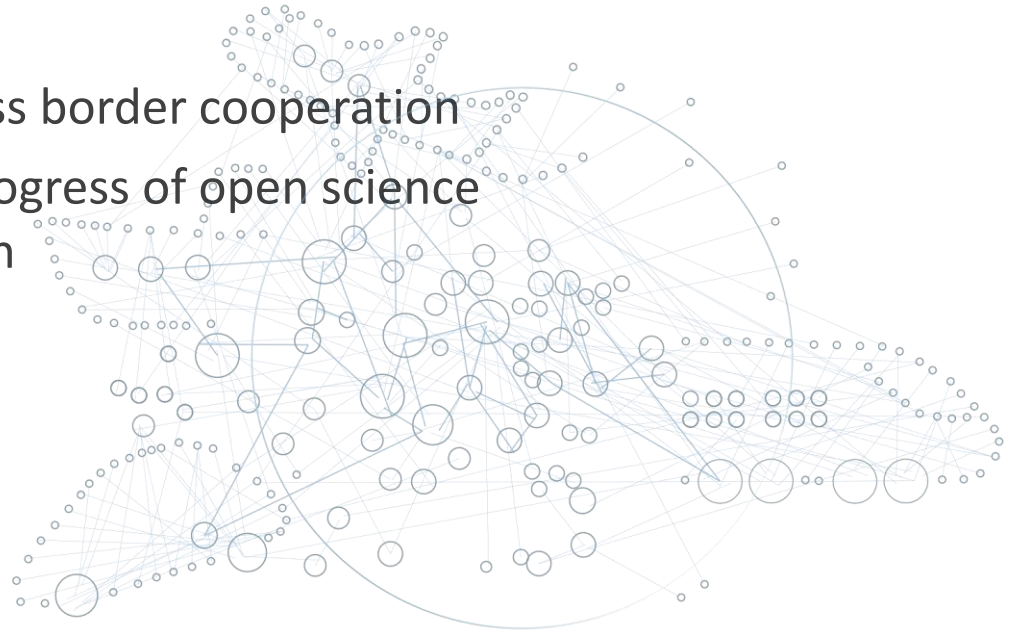
Opportunities from the emergence of the European Open Science Cloud



What is TOPOS

A platform and tools to

- exchange ideas and share best practices for operationalising open science principles in transport research
- promote territorial and cross border cooperation
- showcase the status and progress of open science uptake in transport research





TOPOS

BEOPEN

OpenAIRE

Scipedia

FORUM

OBSERVATORY

TOPOS Observatory aims to showcase the status and progress of open science uptake in transport research. It focuses on promoting territorial and cross border cooperation and contributing in the optimization of open science in transport research.

TOPOS OBSERVATORY
FOR ORGANISATIONS

"ORGANISATIONS"
User Manual

TOPOS OBSERVATORY
FOR INDIVIDUALS

"INDIVIDUALS"
User Manual

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

"FORUM"
User Manual



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openaire.topos-observatory.eu

Topos Observatory for organisations

Supports
communication
towards openness
and facilitate
innovative ways
to communicate
and monitor
research h.

TECHNOLOGY PLATFORMS | RESEARCH ORGANISATIONS | PUBLIC AUTHORITIES

[DEPOSIT](#)[LINK](#)[SEARCH](#)

Transport Research

Research outcomes ▼

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

SEARCH

[Advanced Search](#)

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](#)

	SOFTWARE	OTHER RESEARCH
	40	48,864




Deposit in Zenodo

OpenAIRE Guidelines for Interoperability

Main Zenodo community

14 ZENODO COMMUNITIES, PAGE 1 OF 3



 [University Transportation Center for Underground Transportation Infrastructure](#)

last update: 2017/10/11

UTC-UTI (University Transportation Center for Underground Transportation Infrastructure) is a U.S. Department of Transportation research center that focuses on "Improving the Durability and Extending the Life of the Nation's Transportation Infrastructure." The Center is led by the University of California, Berkeley, and the Lead Institution, and California State University, San Francisco. The Center publishes research publications from the Center.

1 Volume with 4 issues per year

ISSN 2520-2979

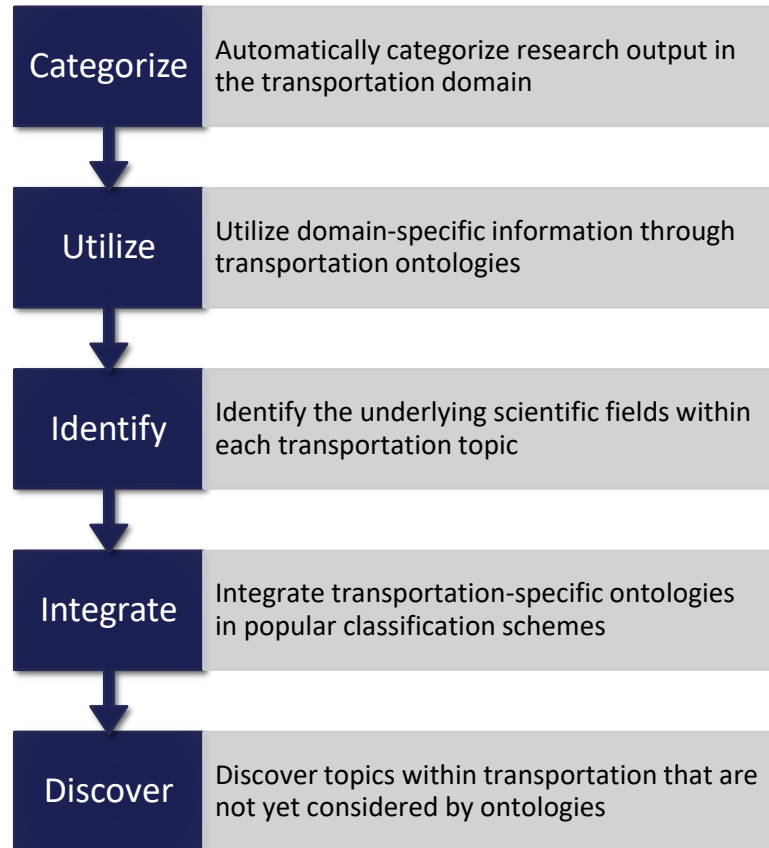
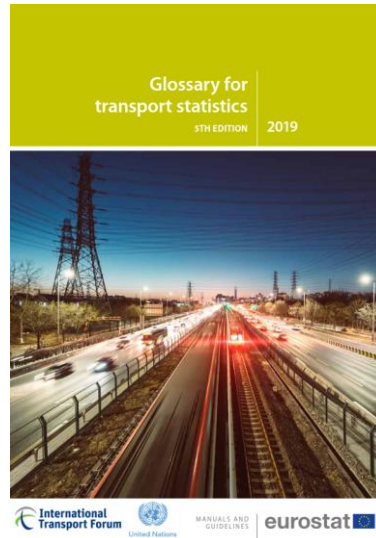
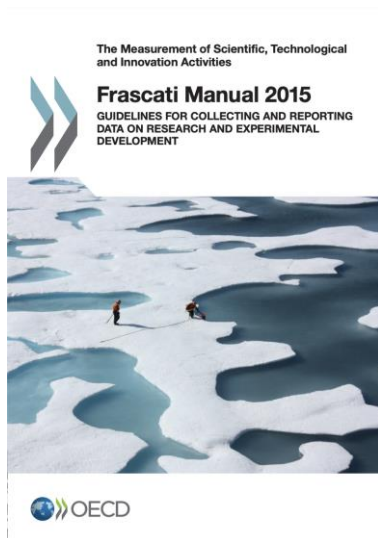


 [Maritime Transportation Research and Education Center](#)

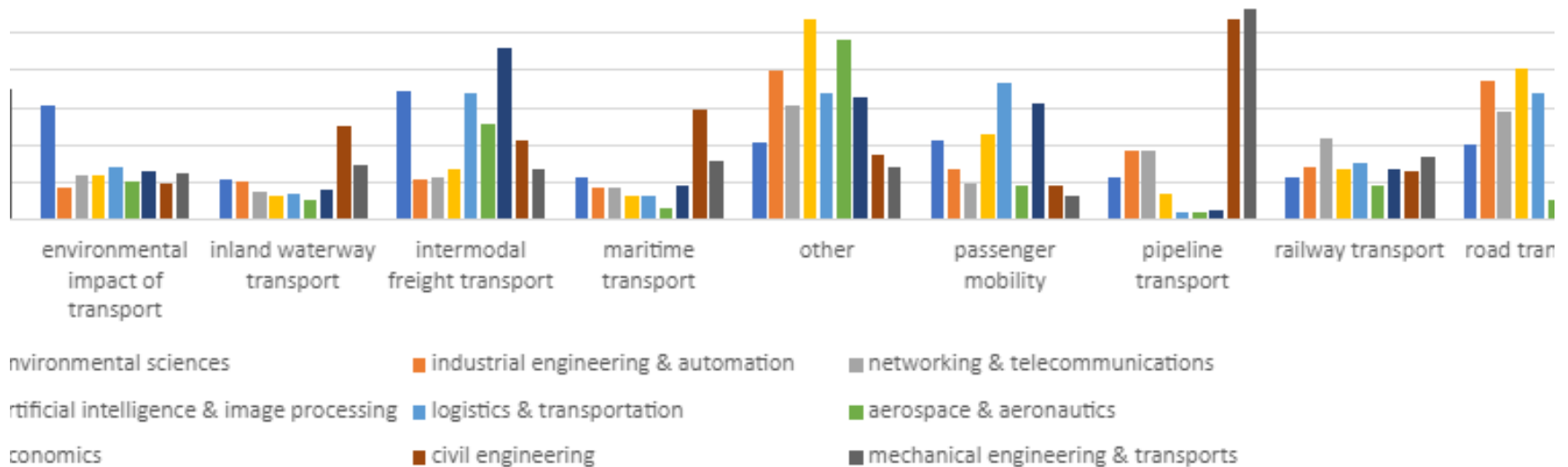
last update: 2017/06/13

MarTREC, the Maritime Transportation Research and Education Center, is a U.S. Department of Transportation research center that focuses on "Improving the Durability and Extending the Life of the Nation's transportation system through efficient, resilient, and sustainable maritime and multimodal transportation." The Center is led by the University of California, Berkeley, and the Lead Institution, and California State University, San Francisco. The Center publishes research publications from the Center.

NLP/ML to classify research



Distribution of L3 within Topics



Better tracking, better understanding
Community based open science indicators
Improved discovery

scipedia.topos-observatory.eu

TOPOS Observatory for Individuals

An open professional network where professors, students, scientists, researchers and professionals in science and technology can share and access the outcome of their work.


PROFESSORS | STUDENTS | RESEARCHERS | PROFESSIONALS

TOPOS Observatory for Individuals

The screenshot shows the BeOpen project website. The browser address bar displays <https://www.scipedia.com/institution/beopen-project.eu>. The top navigation bar includes the SciPedia logo and links for Profile, Library, My network, and Groups. A search bar is also present. The main header features the BeOpen logo and the title "European forum and oBsErvatory for OPEN science in transport (BeOpen)". Below this is a secondary navigation bar with tabs for Overview, Publications, Members, and Analytics. The main content area is divided into two columns. The left column contains a detailed description of the BeOpen project's goals and its commitment to open science. The right column features three summary boxes: INFORMATION (Website: https://beopen-project.eu), MEMBERS (with a profile icon), and ANALYTICS (showing Reputation score, Publications, and Views). A blue overlay on the right side of the page lists key features: Open Portal, Customized layout, Dedicated instance (institutional URL), Linked to repositories, Directory (members), Analytics, and Curation (edition, administration). The OpenAIRE ResearchGraph logo is visible in the bottom right corner.

← → ↻ 🔒 <https://www.scipedia.com/institution/beopen-project.eu> 📄 ☆ 🧑

SCIPEDIA Profile Library My network Groups 🔍 Search 🔍 ?


 **European forum and oBsErvatory for OPEN science in transport (BeOpen)** ✎

Overview Publications Members Analytics




BE OPEN 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 emerging EOSC initiative.


INFORMATION
Website
<https://beopen-project.eu>

MEMBERS


ANALYTICS

Reputation score	 385
Publications	 1185
Views	 175

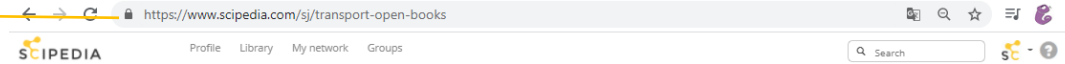
Open Portal
Customized layout
Dedicated instance (institutional URL)
Linked to repositories
Directory (members)
Analytics
Curation (edition, administration)

 **OpenAIRE**
ResearchGraph

TOPOS Observatory for Individuals

Document/Data collections

Customized URL



Customized banner



Title / Scope

Collection of open chapters of books in transport research

The collection is a repository of open access books or open chapters of books on all aspects of transport research.

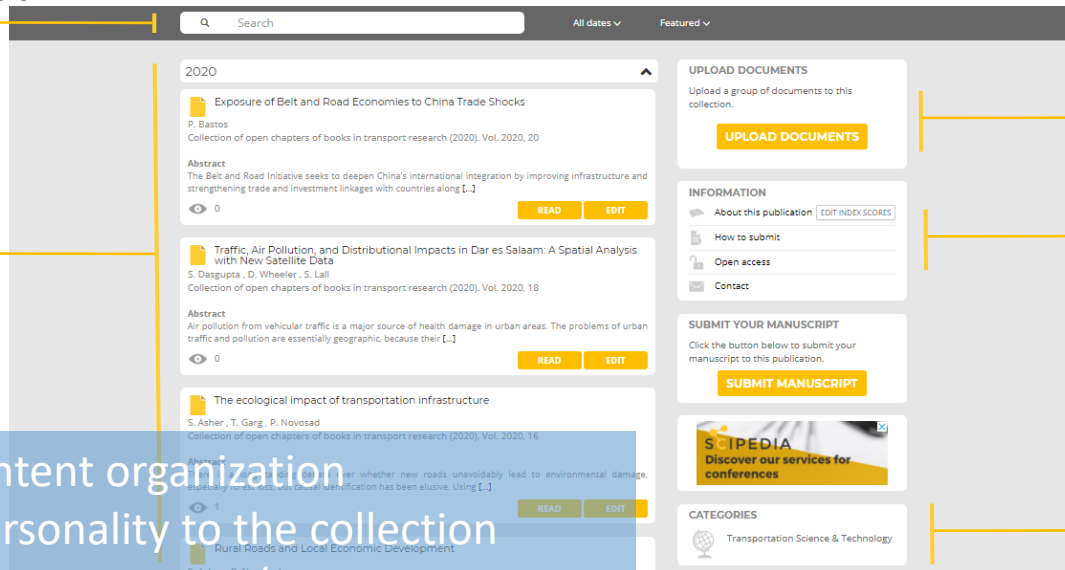
CONFIGURATION

VOLUMES

DOCUMENTS	866
VIEWS	111
SCORE	5
SCORE PERCENTILE	100

Collection metrics / statistics

Search tools / Filters



Contents

Submit new contents

Collection information

Categories

- First level for content organization
- Gives an own personality to the collection
- Offers different management/curation options

TOPOS Observatory for Individuals

Search engine

The screenshot shows the TOPOS Observatory for Individuals search engine interface. At the top, there is a navigation bar with the SCIPEDIA logo, links for Library and Groups, and buttons for REGISTER, LOG IN, and a help icon. Below the navigation bar is a search bar containing the word "Transport". To the right of the search bar are filters for "All dates" and "Featured". Below the search bar is a horizontal menu with icons and labels for CATEGORIES, COLLECTIONS, DOCUMENTS, INSTITUTIONS, and PROJECTS, followed by a "More" dropdown. On the left side, there is a vertical list of categories with icons and document counts, including Engineering (Civil, Marine, Mechanical, etc.), Computer Science, Economics, Architecture, Environmental Sciences, Energy & Fuels, and Transportation Science. The main content area displays a grid of six collection cards. Each card has an eye icon with a count, a globe icon, a title, a subtitle, a document count, and a yellow "VIEW" button. The collections are: "Collection of Research Data in Transport" (1 document), "Collection of open reports in transport research" (318 documents), "Collection of open chapters of books in transport..." (866 documents), "CM3-2017 - Computation and Big Data in Transport" (5 documents), "BeOpen project" (1 document), and "Open Access Repository of the FIBRESHIP project" (34 documents).

- Immediate access to content in multiple ways
- Full-text search engine (Solr)
- Any text search is performed in milliseconds through all the content, including title, abstract, full text, references, authors, categories and any additional fields defined.
- Content indexed by categories (scientific fields), keywords, authors and publications.
- Additional filtering utilities (such as dates, featured, most viewed, etc.)

forum.topos-observatory.eu

TOPOS Forum

Exchange ideas and
share best practices
for operationalising
open science
principles in
transport research



Road
relevant to cars, trucks, buses, PTMs, etc.

ITS applications
Investigate further how stakeholders could support and benefit road transport activities.

Nov 11, 2020, 8:09 PM • [read more](#)



8 10 12

Rail

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

Increase capacity of infrastructure

- A Enhance infrastructure in an attempt to increase capacity of railway stations (length and quantity of trains) and lines.

Nov 11, 2020, 2:02 PM • [read more](#)



5 7

Waterborne

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

Safety and security

- A Improve and study safety and security issues (i.e. prevention of accidents, safety of personnel) and security (i.e. terrorism, border control/immigration etc.).

Nov 11, 2020, 8:09 PM • [read more](#)



6 7

Air

relevant to helicopters, airplanes, jet aircrafts, etc.

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](#)



8 17

Multimodal

the combination of different means of transport

Involvement of public transport actors



- A Develop ways for public stakeholders and private companies to better know each other and their respective needs in terms of data sharing in order to be able to build common business models, in accordance with users' needs for an improved shared mobility.

Nov 11, 2020, 2:38 PM • [read more](#)

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<div>A</div>	Traffic congestion  Transport planning • Nov 11, 2020, 8:11 PM	0 Votes	1 Posts	18 Views	No
<div>A</div>	Emission abatment  Environmental • Nov 11, 2020, 8:10 PM	0 Votes	1 Posts	6 Views	No
<div>A</div>	Safety and security  Legal/Regulatory • Nov 11, 2020, 8:09 PM	0 Votes	1 Posts	21 Views	No
<div>A</div>	Process automation  Technological • Nov 11, 2020, 8:08 PM	0 Votes	2 Posts	6 Views	<div>A</div> No
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Thank you!

QUESTIONS?

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