

WELCOME

Open Science in Transport:
Challenges and Opportunities
in a COVID-19 Era

TRB Annual Meeting 2021
Workshop 1467

WELCOME



Open Science (OS) is a modern movement that presents a new approach to practicing science in a way that increases openness, integrity and reproducibility of research.

This workshop aims to discuss challenges and opportunities brought by Open Science in transportation research, in particular in the COVID-19 context, and how to achieve a common understanding on the practical impact of Open Science in the transport sector.

WELCOME

Organised by:

A0020C [International Coordinating Council](#)

Sponsored by TRB Committees:

AED10 [Standing Committee on Statewide/National Transportation Data and Information Systems](#)

AED20 [Standing Committee on Urban Transportation Data and Information Systems](#)

AED70 [Standing Committee on Freight Transportation Data](#)

AJE35 [Standing Committee on Research Innovation Implementation Management](#)

AJE45 [Standing Committee on Information and Knowledge Management](#)

AJE70 [Standing Committee on Data for Decision Making](#)

Supported by BE OPEN – European project funded under Horizon 2020 Programme



Open Science in Transport: Challenges and Opportunities in a COVID-19 Era

TRB Annual Meeting 2021, Workshop 1467

PROGRAMME

Open Science in Transport: Challenges and Opportunities in a COVID-19 Era

Workshop 1467

January 21st, 2021
2:00 PM - 5:00 PM EST (20:00 - 23:00 CET)

Opening | Caroline Alméras, Secretary General, ECTRI & TRB International Coordinating Council Co-Chair (2:00 PM - 2:05 PM)

Welcoming remarks | Neil J. Pedersen, TRB Executive Director (2:05 PM - 2:10 PM)

Part I | Setting the scene — Open Science: What do we mean? Where do we stand? (2:10 PM - 3:10 PM)

Moderator | Caroline Alméras, Secretary General, ECTRI & TRB International Coordinating Council (ICC / A0020C) Co-Chair

Perspectives from policy-makers on open science policy and existing infrastructures

European Open Science policy and EOSC, Konstantinos Glinos, Head of Unit for Open Science, European Commission, Directorate General for Research and Innovation

US Open Science policy, perspectives and transportation, Leighton Christiansen, Data Curator, National Transportation Library, Bureau of Transportation Statistics, United States Department Of Transportation

Keynote speech “Open science — a blueprint for the university in the 21st century?”

Paul Ayris, Pro-Vice-Provost, UCL Library Services & UCL Office for Open Science and Scholarship, United Kingdom

The BE OPEN project: a European initiative to promote, regulate & standardise Open Science (OS) in Transport

Prof. Maria Boile, Director MSc in Shipping Dep. of Maritime Studies, University of Piraeus & Head of Unit, CERTH-HIT & Affiliated Faculty, Center for Advanced Infrastructure and Transportation, Rutgers University & BE OPEN coordinator and Dr. Afroditi Anagnostopoulou, Head of Economic and Social Impacts of Transport Systems Laboratory, CERTH-HIT & BE OPEN Technical Manager

Questions/Answers with the audience

Break | (3:10 PM - 3:25 PM)

Part II | Some examples of Open Science in Transport — Open data, open access & open innovation (3:25 PM - 4:15 PM)

Moderator | Kathleen Shearer, Executive Director, Confederation of Open Access Repositories (COAR) Research Associate, CARL Strategic Consultant, ARL, Canada

Transport data

Open data: key challenges for transport data collection and management, Philippe Crist, Advisor, Innovation and Foresight, International Transport Forum

Transport results in open access

Open access and COVID-19 transportation research, Prof. Karst Geurs, University of Twente, The Netherlands, ETRR Editor-in-Chief
Open access Transport models — from collaborative code to citizen science, Robin Lovelace, ITS Leeds and WCTRs

Open innovation in road and transport research

Open innovation in road and transport research - Case studies in Sub-Saharan Africa, Mark Henry Rubarenzya, Head - Research and Development, Directorate of Network Planning and Engineering | Uganda National Roads Authority

Questions/Answers with the audience

Part III | Panel discussion: Open Science: What is further needed? Future steps (4:15 PM - 4:55 PM)

Reflection from librarian, publishing houses, public transport operators, cities and researchers on metrics, open access, FAIR data and other Open Science questions

Moderator | Prof. Eva Méndez Rodríguez, Deputy Vice-president for Research Policy - Open Science & Associate professor, Library and Information Science Department, Universidad Carlos III, Madrid, Spain

Rosie Cann, Senior Publisher, Humanities & Social Science Journals, SAGE Publishing (Publisher perspective)

Stephanie Dock, Research Program Administrator at District Department of Transportation (DDOT), Chair TRB City Transportation Issues Coordinating Council (Cities perspectives)

Prof. Lily Elefteriadou, Director, University of Florida Transportation Institute, USA (Researchers perspective)

Hilia Boris Iglesia, Manager - Knowledge & Innovation, UITP (Public Transit perspectives)

Kendra Levine, Library Director, UC Berkeley (Librarian perspectives)

Open discussion with the panelists

Conclusions & closing | Caroline Alméras, Secretary General, ECTRI & TRB ICC / A0020C Co-Chair (4:55 PM - 5:00 PM)

WELCOMING REMARKS



Neil J. Pederson

Executive Director, Transportation Research Board

OUR AUDIENCE TODAY ! TELL US MORE

1. Type of organisation you belong

- University
- Research organisation
- Government/Public authority
- International organisation
- Civil society organisation
- Private sector
- Other

2. Have you heard about Open Science before?

- Yes
- No

3. What does Open Science mean to you?

- Open (fair) research data
- Open access publications
- Open code / software
- Open processes (open peer review)
- Open educational resources
- All the above

<https://www.menti.com/jssphhdn1h>

Part I | Setting the scene

Open Science: What do we mean? Where do we stand?



Caroline Almérás
Secretary General,
ECTRI &
Co-Chair,
TRB International
Coordinating Council



Konstantinos Glinos
Head of Unit for Open
Science, Directorate
General for R&I,
European Commission



Leighton Christiansen
Data Curator, National
Transportation Library,
Bureau of Transportation
Statistics,
US Department Of
Transportation



Paul Ayris
Pro-Vice-Provost, UCL
Library Services & UCL
Office for Open Science
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Prof. Maria Boile
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Dep. of Maritime Studies,
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and Transportation, Rutgers
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coordinator



Afroditi Anagnostopoulou
Head of Economic & Social
Impacts of Transport Systems
Laboratory, CERTH-HIT &
BE OPEN Technical Manager

Part II | Some examples of Open Science in Transport

Open data, open access & open innovation



Kathleen Shearer
Executive Director,
Confederation of Open
Access Repositories
(COAR) & Research
Associate, CARL &
Strategic Consultant,
ARL, Canada



Philippe Crist
Advisor, Innovation
and Foresight,
International Transport
Forum



Prof. Karst Geurs
Full Professor,
University of Twente,
The Netherlands, &
ETRR Journal Editor-in-
Chief



Robin Lovelace
Associate Professor,
ITS Leeds, UK &
WCTRs



Mark Henry Rubarenzya
Head - Research and
Development, Directorate of
Network Planning and
Engineering, Uganda
National Roads Authority

Part III | Panel discussion: Open Science: What is further needed? Future steps

Reflection from librarian, publishing houses, public transport operators, cities and researchers on metrics, open access, FAIR data and other Open Science questions



Prof. Eva Méndez Rodriguez
Deputy Vice-President for
Research Policy - Open Science
& Associate professor, Library
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Department,
Universidad Carlos III, Madrid,
Spain



Rosie Cann
Senior Publisher,
Humanities & Social Science
Journals
SAGE Publishing



Stephanie Dock
Research Program
Administrator ,
District Department of
Transportation (DDOT),
Chair TRB City Transportation
Issues Coordinating Council



Prof. Lily Elefteriadou
Director,
University of Florida
Transportation Institute



Hilia Boris Iglesia
Manager - Knowledge &
Innovation
UITP



Kendra Levine
Library Director
UC Berkeley

CONCLUSIONS AND CLOSING

- Thanks so much to all contributors and participants !
- Discussion on Open Science ongoing - More to come - Stay tuned !
- ICC Announcements
 - Next ICC event on Monday 25/01/2021 on the Impacts of COVID 19 on Decarbonizing transport (Session 1050) - 10:00-11:30 EST
 - If you want to know more on the International Coordinating Council (A0020C) and get engaged, become “Friends” via MyTRB