Part I | Setting the scene
Open Science: What do we mean? Where do we stand?

Neil J. Pederson, Executive Director of the Transportation Research Board

Neil Pedersen has been Executive Director of the TRB since 2015. In that role he provides executive direction and leadership to TRB's technical activities, including its annual meeting of over 14,000 transportation professionals, its 180 technical committees, its conferences, and its publications; its peer reviewed policy consensus studies; and its multimodal cooperative research programs. Prior to joining TRB, Neil spent 29 years at the Maryland Department of Transportation, where he served the last eight years as State Highway Administrator and Governor's Highway Safety Representative. Over his career, Neil has been involved in volunteer leadership roles in both TRB and the American Association of Transportation Officials (AASHTO). He chaired a number of TRB and AASHTO committees, including serving as Chair of TRB's Executive Committee in 2011.

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

Caroline Alméras is a senior European public affairs specialist with 20 years' experience in EU public relations, legal advising and advocacy in the transport research field. After working several years as a lawyer at the European Commission then at the French Environment and Energy Management Agency (ADEME), she joined the European Conference of Transport Research Institutes (ECTRI) in 2003 as project officer in charge of developing the activities of the association. In 2009, she was recruited as Deputy Director for European and International affairs at the French Institute for Transport Research (INRETS, now University Gustave Eiffel). The year after she was appointed Secretary General of ECTRI. From then, she is responsible for the strategic development, representation and overall management of the Association. In April 2018, she was appointed member of the TRB International Cooperation Committee (A0010) and a year later co-chair of that Committee. In April 2020, she was appointed co-chair of the newly created TRB International Coordinating Council (A0020C).

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

Kostas Glinos leads the unit for Open Science in the directorate general for Research & Innovation at the European Commission, since June 2019. From 2014 to 2019 he led the unit for EU international cooperation policy in STI and for relations with European Economic Area countries, Switzerland, Russia, Western Balkans, Turkey, all of Asia, Australia and New Zealand. Kostas has been developing EU policy and managing R&D programmes in the area of Science, Technology and Innovation (STI) since 1992. Policy areas he has dealt with include open science and innovation, collaboration in research, industry-academia interaction, the governance of research commons, public-private partnerships, science diplomacy and international cooperation policy at bilateral and bi-regional level. He has been responsible for funding programmes in future and emerging technologies, cyber-physical systems, ICT research infrastructure and big research data. In 2017-2018 Kostas was a visiting Fellow at the Lee Kuan Yew School of Public Policy at the National University of Singapore where he taught regionalism in Europe and in Southeast Asia. Before joining the Commission, Kostas worked in the chemical industry in the USA and Belgium, lectured at the University and carried out research in Greece. He holds a PhD in engineering from the University of Massachusetts and an Advanced Professional Certificate in investment management from Drexel University.
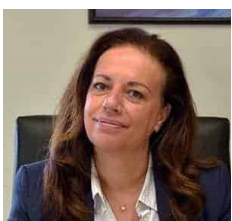
Leighton Christiansen, Data Curator, National Transportation Library, Bureau of Transportation Statistics, US Department Of Transportation

Leighton L Christiansen is the Data Curator at the National Transportation Library (NTL), of the U.S. Department of Transportation. Leighton leads U.S. DOT's Public Access Implementation Working Group (PAIWG), which is tasked with making the outputs of U.S. DOT's $1 billion annual research portfolio, whether report, dataset, or software code, more open and publicly accessible. Leighton also leads the implementation of data management and data curation best practices within the U.S. DOT-funded research environment, the NTL and the Bureau of Transportation Statistics (BTS). Leighton is a member of the Research Data Alliance (RDA). Leighton served as co-chair of the Transportation Research Board's Library and Information Science for Transportation (LIST) Committee (ABG40) from April 2015 to April 2018.

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

Dr Ayris was the President of LIBER (Association of European Research Libraries) 2010-14. He is Co-Chair of the LERU (League of European Research Universities) INFO Community. He chairs the OAI Organizing Committee for the Cern-Unige Workshops on Innovations in Scholarly Communication. Until 2020, he also chaired the JISC Collections' Content Strategy Group. On 1 August 2013, Dr Ayris became Chief Executive of UCL Press. He attends the Provost and President's Senior Management Team in UCL by nomination/request. He has a Ph.D. in Ecclesiastical History and publishes on English Reformation Studies. In 2019, he was made a Fellow of the Royal Historical Society. He joined UCL in 1997.

Prof. Maria Boile, Director MSc in Shipping Dep. of Maritime Studies, Univ. of Piraeus & Head of Unit, CERTH-HIT & Affiliated Faculty, Center for Advanced Infrastructure and Transportation, Rutgers University and BE OPEN coordinator
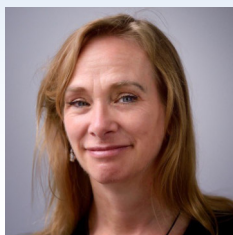
Maria Boile is Professor at the University of Piraeus and Research Director at the Hellenic Institute of Transport (HIT), Centre for Research and Technology Hellas (CERTH). She has served as Chair of the Advisory Board of ETRR, the European Transport Research Review, the first Journal in Open Access in the transport field. She has participated in over 60 sponsored research projects in the U.S., Europe and Latin America and has authored and co-authored over 160 technical articles. She has served as a member of the Board of Regents of the Eno Transportation Foundation and as an invited expert by the US Department of Transportation and the European Commission.

Afroditi Anagnostopoulou, Head of Economic & Social Impacts of Transport Systems Laboratory, CERTH-HIT & BE OPEN Technical Manager
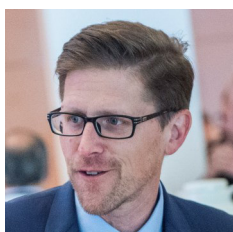
Dr Afroditi Anagnostopoulou is a senior researcher at the Hellenic Institute of Transport (HIT)/Centre for Research and Technology Hellas (CERTH), experienced in project management and transport economics overseeing the "Economic and Social Impacts of Transport Systems" laboratory. She is the Deputy of Unit on Transport Economics and Environment, Maritime and Air Transport in the HIT and she also teaches in the MSc in Shipping at the University of Piraeus. She is a member of the Hellenic Operational Research Society, the Hellenic Institute of Transport Engineers, the Association of Greek Researchers and the Economic Chamber of Greece. Dr. Anagnostopoulou is also a research fellow in the Operations Research & Decision Systems Centre of the AUEB since 2013. She holds a BSc in Management Science and Technology from the Athens University of Economics and Business (AUEB) and an MSc in Computer Science from the University College London (UCL). In 2012, she has also received a PhD in Operations Research from the AUEB.

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

Kathleen Shearer is the Executive Director of COAR (Confederation of Open Access Repositories), an international association of repository initiatives with a membership of over 150 institutions worldwide from over 40 countries on all 5 continents. COAR's aim is to enhance the visibility and application of research outputs through a global network of open access repositories based on international collaboration and interoperability. Shearer has been working in the area of open access, open science, scholarly communications, and research data management for over 20 years. She has been the Executive Director of COAR since 2013, and participates in numerous other organizations in Canada and internationally. She is an active member of the Research Data Alliance (RDA) and other initiatives related to open science. Most recently in April 2020, Shearer published a paper with colleagues on the need for bibliodiversity in open scholarly communications called Fostering Bibliodiversity in Scholarly Communications: A Call for Action. Shearer is also a Research Associate with the Canadian Association of Research Libraries and was instrumental in launching the Portage Initiative in Canada, a national research data management network.

Philippe Crist, Advisor, Innovation and Foresight, International Transport Forum

Philippe Crist is Advisor on Innovation and Foresight for the International Transport Forum (ITF) at the Organization for Economic Cooperation and Development (OECD). He coordinates innovation and foresight activities for the ITF and manages the research of the ITF's Corporate Partnership Board. He has been the project lead and principal author for many of the ITF's recent reports on innovation and transport policy including "Governing Transport in the Algorithmic Age", "Blockchain and Beyond: Encoding 21st Century Transport", "The Shared-Use City: Managing the Curb", "Safer Roads with Automated Vehicles?", "Shaping the Relationship Between Public Transport and Innovative Mobility", "App-Based Ride and Taxi Services: Principles for Regulation", "Data-Driven Transport Policy", "Big Data and Transport" and "Automated and Autonomous Driving"; His current work focuses on disruptive urban mobility and examines how car-based and active mobility, public transport and taxis must account for these developments. Currently, his work focuses on the development of Mobility as a Service offers from both the governance and technical aspects as well as on issues relating to the allocation of urban space for transport and other activities. He has played an integral part in the development of the ITF's ground-breaking work on shared mobility and continues to shape innovative policy research in this field. He is also leading work on data science, data governance and public policy within the ITF, investigating novel strategies to leverage knowledge derived from new and rapidly growing data sources to improve decision-making. His other work currently looks at managing mobility in rapidly growing urban areas and assessing GHG emission strategies from transport.

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

Karst Geurs is appointed Full Professor of Transport Planning at the Centre for Transport Studies of the University of Twente. His research focuses on interactions between land use and transport, accessibility modelling and evaluation and the dynamics in travel behaviour. From 2009-2013 he was Associated Professor at the CTS. He worked at the National Institute for Public Health and Environment from 1997 and moved to the Netherlands Environmental Assessment Agency in 2005. In 2006 he received his PhD at the Faculty of Geosciences, Utrecht University, the Netherlands, on accessibility appraisal of land-use and transport policy strategies. He teaches master courses on Transport Policy and Planning, Land Use and Transport Interactions and Sustainable Transport within the Master Track Transport Engineering and Management. He is chair of the Network on European Communications and Transport Activities Research (NECTAR), Editor-in-Chief of the European Transport Research Review (ETRR) and member of the Editorial Advisory Board of the Journal of Transport and Land Use (JTLU).

Robin Lovelace, Associate Professor, ITS Leeds and WCTRs

Robin Lovelace is Associate Professor of Transport Data Science at the Leeds Institute for Transport Studies (ITS) specialising in the analysis of regional transport systems and modelling scenarios of change. Robin is Lead Developer of the Propensity to Cycle Tool (see www.pct.bike), Principal Investigator of the Department for Transport funded SaferActive project and author of popular open source software packages (such as stplanr) and books (such as Geocomputation with R).
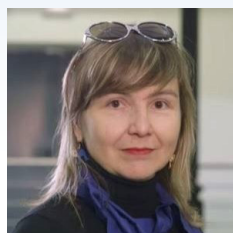
Mark Henry Rubarenzya, Head - Research and Development, Directorate of Network Planning and Engineering, Uganda National Roads Authority

Dr Mark Henry Rubarenzya is the Head – Research and Development at Uganda National Roads Authority with overall responsibility for research and innovation. His focus is on multidisciplinary issues including access, climate change, safety, gender, green growth, efficiency, sustainability, resilience. Mark received a PhD in Civil Engineering from the Katholieke Universiteit Leuven; an MSc in Water Resources Engineering from the same university; and a BSc in Engineering from Makerere University. Mark is an active member of numerous international professional and service organisations. He has over ten years of experience serving on various international technical committees and standards' bodies, and contributes extensively to the development of industry standards and guidelines in engineering. Among others, Mark is a Member of TRB's International Coordinating Council; is the First Delegate of Uganda to the World Road Association (PIARC); and is a Board Member of the International Road Federation (IRF) in Africa.

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 and Information Science Department, Universidad Carlos III, Madrid, Spain

Eva Méndez holds a PhD in Library and Information Sciences (LIS) and is an expert in metadata. She defines herself in her Twitter profile as an 'open knowledge militant' (@evamen). She has been a lecturer at Universidad Carlos III de Madrid (UC3M), LIS department since 1997.She has been an active member of several international research teams, advisory boards and communities including: DCMI, OpenAire, Metadata2020, RDA, etc. In 2005-06 she was awarded a Fulbright Research Scholarship at the University of North Carolina at Chapel Hill (USA). She has taken part in and led several research projects and acted as advisor to many more in the fields related with standardization, metadata, semantic web, open data, digital repositories and libraries, in addition to information policies for development in several countries. In 2015 she won the Young Researcher of Excellence award of her University. In November 2017 she was named "Open Data Champion" by SPARC Europe. She is currently Deputy Vice President for Scientific Policy-Open Science at UC3M and member of the EU-OSPP (European Open Science Policy Platform) on behalf of YERUN (Young European Research Universities Network). She is the OSPP chair for the 2nd mandate of the platform.

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

Rosie Cann is a Senior Publisher at SAGE Publishing in London, in the Humanities and Social Science Journals division. With over ten years of experience in the publishing industry, Rosie has commissioned and managed journal portfolios in political science, economics, and area and development studies. She works closely with learned societies and associations to support and develop their publishing portfolios. She also plays a lead role in SAGE's Open Science initiatives including the implementation of journal based Open Data policies and SAGE's development of *Advance*, a SAGE Preprints Community. Rosie also participates in the cross publisher STM Research Data Group.

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

Stephanie Dock manages the District of Columbia Department of Transportation's Research Program. The program supports all aspects of the agency's work with applied research and evaluation support. On the project front, she has helped lead the parkDC value pricing parking pilot project, the District Mobility multimodal congestion study, and multimodal trip and parking generation model development. Stephanie is the chair of the new TRB City Transportation Issues Coordinating Council and a member of the TRB Research Innovation Implementation Management Committee. She has lately been delving into the world of data standards and governance, through DDOT's data governance team and as a member of the Open Mobility Foundation's Privacy, Security, and Transparency Committee.

Prof. Lily Elefteriadou, Director, University of Florida Transportation Institute

Dr. Elefteriadou is the Director of the UF Transportation Institute (UFTI), and the Barbara Goldsby Professor of Civil Engineering at the University of Florida. Her research focus is traffic operations, traffic flow theory and simulation. Dr. Elefteriadou has served as the principal investigator for several federal and state projects, funded by the US DOT, National Cooperative Highway Research Program (NCHRP), the National Science Foundation (NSF), PennDOT, and FDOT. She has authored or co-authored more than two hundred publications and reports related to traffic operational quality and highway design, as well as a textbook titled "Introduction to Traffic Flow Theory". She serves on the Editorial Board of the Transportation Research: Part B, and is a former Chair of the TRB's Highway Capacity and Quality of Service Committee. She is also a past President of the Executive Board of the Council of University Transportation Centers (CUTC). Dr. Elefteriadou has received several awards for her research, including the 2019 ASCE Harland Bartholomew Award for her work on I-STREET, the 2015 ASCE James Laurie Prize for her contributions to highway capacity analysis, the 2015 ARTBA Ethel S. Birchland Lifetime Achievement Award, and TRB's Fred Burggraff award for excellence in research in 2001.

Hilia Boris Iglesia, Manager - Knowledge & Innovation , UITP

Hilia Boris Iglesia has a background in Political Science and Economics from England and two postgraduates in from Edinburgh University and University College London. She has also collaborated with various international and European urban networks. She is responsible of the UITP Transport Economics Committee supporting the knowledge creation on matters pertaining to funding and financing within the Public Transport industry. She has been leading the recent launch of UITP's Research in Mobility Committee to provide a forum for all stakeholders with an interest in R&I to promote discussion and knowledge exchange within UITP.

Kendra Levine, Library Director, UC Berkeley

Kendra K. Levine is the director of the Institute of Transportation Studies Library at UC Berkeley and specializes in transportation information, data and research. She works with research related to all major modes of transportation, focusing on new technologies and systems innovations that promote sustainable transportation. Her expert knowledge of the field's online and print resources is supplemented by an in-depth familiarity with transportation classification and terminology that she has gained indexing books, technical reports, conference proceedings, and scholarly journal articles for TRID, the largest online bibliographic database of transportation research. She earned a Masters of Library and Information Science and Masters of Information Systems from Drexel University in 2008. She was named an SLA Rising Star in 2013 and an SLA Fellow in 2019. Kendra is an active volunteer with the TRB and current co-chair of the Information and Knowledge Management Committee (AJE45). Additionally she is a member of UC-AFT and she manages the library at KALX Radio where she also DJs.