

Moderation: Prof. Dr.-Ing. Regine Gerike (Technical University Dresden)

09:00 – 09:30 **Arrival & Registration**

09:30 – 10:30 **Opening Ceremony**

Rita Schwarzelühr-Sutter (Parliamentary State Secretary of Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB), Germany)
 Maria Krautzberger (President of German Environment Agency (UBA))
 Dr. Peter Kurz (Mayor of Mannheim)

Keynote Prof. Dr. Lucia Reisch (Copenhagen Business School)

10:30 – 11:00 **International Mosaic I**

Moderation:
 Manfred Neun (President of European Cyclists' Federation (ECF) and Heike Bunte (UBA))

Prof. Dr. Lake Sagaris (Pontifical Catholic University of Chile)
 Dr. Anvita Arora (Innovative Transport Solutions, India)
 Amanda Ngabirano Aziidah (Urban and Regional Planner, Lecturer at Makerere University Kampala, Uganda)
 Alejandra Leal (Co-Director of Cètrico, Mexico)
 Prof. Dr. Ana Santos (Lisbon University, Portugal)
 Prof. Dr. Jason Chang (National Taiwan University)

11:00 – 11:30 **Coffee break**

11:30 – 13:00 **Session 1:**

A1: Rethinking Infrastructure

Session Chair:
 Prof. Dr. John Parkin, University of the West of England

Cycling 4.0 – A new era of urban cycling
 Tilman Bracher, German Institute of Urban Affairs (Difu), Germany

Gaps between the links: Understanding required changes to the fragmented cycling facilities in the developing world context

Prof. Marianne Vanderschuren, University of Cape Town, South Africa

Barriers and facilitators to cycling in European cities: A comparative case study of cycling in London and Amsterdam

Qi Sun, Radboud University Nijmegen, Netherlands

Mapping the quality of regions for cycling
 Dr. Martin Goossen, Wageningen University & Research, Netherlands

Ten years of cycle highways
 Rico Andriesse, Goudappel Coffeng, Netherlands

A critical approach to the recent cycling infrastructure design standards and guidelines in Greece
 Dr. Efthimios Bakogiannis, National Technical University of Athens, Greece

B1: Attitudes, Behaviour and Choice

Session Chair:
 tba

Socio-spatial determinants of preference for the active transport modes – Evidence from the Croatian travel behaviour survey

Dr. Geran-Marko Miletić, Ivo Pilar Institute of Social Sciences, Croatia

A survey proposal to analyze cycling routes
 Juan Ospina, Universidad Nacional de Colombia, Colombia

Attitudes of multimodal citizens towards policy measures to restrict car-traffic in favor of sustainable modes of transport
 Lisa Ruhrort, Department of User Centred Mobility Solutions, InnoZ, Germany

Cyclists' perceived aggression from car drivers on road interactions: Paris and Berlin comparison
 Carolina Martinez Tabares, French Institute of Science and Technology for Transport, Development and Networks, France

Revealed preference route choice model for cyclists in Kharkiv, Ukraine
 Olena Chernyshova, Kharkiv National Automobile and Highway University, Ukraine

The state of the art in assessing bicycle travel demand in relation to the surrounding route environment
 Ilil Beyer Bartana, German Aerospace Center, Germany

Cycling behavior and the role of bicycles for daily travel in Germany
 Dr. Clotilde Minster, Karlsruhe Institute of Technology (KIT), Germany

C1: Health and Active Mobility

Session Chair:
 Dr. Audrey de Nazelle, Imperial College London

Walkability in Essen – Testing measurement and assessment methods on macro and micro scale

Dr. Minh-Chau Tran, University of Duisburg-Essen, Germany

Austrian master plan for walking
 Nikolaus Ibesich, Environment Agency Austria, Austria

Developing a score to assess the policy environment for cycling and walking promotion in cities – Results of a feasibility study

Dr. Sonja Kahlmeier, University of Zurich, Switzerland

The go-active randomized controlled trial – An interdisciplinary study designed to investigate the health effects of active commuting and leisure time physical activity

Mads Rosenkilde, University of Copenhagen, Denmark

Overall health impacts of a potential increase in active commuting in Stockholm, Sweden
 Johan Sommar, Umeå University, Sweden

Active transport and subjective general health: Roles of mental health, social support and physical activity
 Ione Avila-Palencia, ISGlobal, Centre for Research in Environmental Epidemiology (CREAL), Spain

* The programme is preliminary.

13:00 – 14:00 Lunch break

14:00 – 15:30 Session 2:

A2: Designing Future Infrastructure

Session Chair:

Prof. Dr. José Carlos Mota, University of Aveiro, Portugal

Pedalling into a driverless world: Opportunities and threats

Prof. Dr. John Parkin, University of the West of England, United Kingdom

How to become a cycling city?

Anne Abbing, University of Groningen, Netherlands

Integrated design of safe cycling networks

Maurits Lopes Cardozo, Bike-minded & AltaGO-Europe, Netherlands

Supporting Latin America's first bicycle avenue in Bogotá

Sarah Schneider, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Colombia

Benefit evaluation of transportation switching model - A case study for motorcycle to bicycle in Taipei

Wan-yu Lee, National Taiwan University, Taiwan

GPS-data tracks from smartphone applications - A useful support for bicycle infrastructure planning?

Angela Francke, Technische Universität Dresden, Germany

B2: Policy and Strategies

Session Chair:

Francesca Racioppi, World Health Organization (WHO)

Impact evaluation of cycling measures – Exploring the state-of-practice in German municipalities

Julia Gerlach, Technische Universität Dresden, Germany

The role of governance and planning in the delivery of major cycling infrastructure in London

Brian Deegan, Transport for London, United Kingdom

Spinning our wheels? moving from advocacy to policy to practice in the South African bicycling landscape

Gail Jennings, University of Cape Town, South Africa

CiclovíaSP: Promoting a sustainable bicycle program in São Paulo city

José Evaldo Gonçalves, Transportation Secretary of São Paulo, Brazil

The complexities of a biking transition in a car dependent city: Evidence from Kuala Lumpur

Roya Shokoohi, Hanze University of Applied Sciences Groningen, Netherlands

How Austria became a cycling climber country – Austrian Masterplan Cycling 2015-2025

Martin Eder, National Cycling Officer, Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management, Austria

C2: Mobility Cultures and Education

Session Chair:

Jakob Baum, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Social practices and the importance of context

Dr. Peter Cox, University of Chester, United Kingdom

Ciclaveiro – Active citizenship towards a city and region with more bicycles

Rui Igreja, Ciclaveiro, Portugal

The Brazilian way of promoting bicycle planning: Results of the bicycle in the plans campaign

João Paulo Amaral, Associação Bike Anjo, Brazil

Cyclist-related content in driver licensing processes

Dr. Jennifer Bonham, University of Adelaide, Australia

Best-practice recommendations for safe cycling education from a traffic-psychological and traffic-pedagogical point of view

Bettina Schützhofer, sicher unterwegs – Verkehrspsychologische Untersuchungen GmbH, Austria

The bicycle as teaching object for the training of technical and soft skills in university education. A practitioner's report from the interdisciplinary teaching project „Kompass“ at Mannheim University of Applied Sciences

Matthias Bandtel, Mannheim University of Applied Sciences, Germany

Bike uses over three generations

Prof. Dr. Ana Santos, University of Lisbon, Portugal

15:30 – 16:00 Coffee break

16:00 – 16:30 Poster-Session

16:30 – 17:15 International Mosaic II

18:30 – 22:00 Evening reception hosted by the City of Mannheim

09:00 – 09:30 Arrival & Registration

09:30 – 11:15 Keynote	Christophe Najdovski (Deputy Mayor of Paris responsible for transport)
PASTA coordinator	What PASTA stands for: Physical Activity through Sustainable Transport Approaches
DG Research	Active mobility in the European research agenda
Questions & Answers	
Bertha-Carl-Benz Award winner	F.K. Day (Founder and CEO of World Bicycle Relief)

11:15 – 11:30 Coffee break

11:30 – 13:00 Session 3:

A3: PASTA. Walk it. Bike it. Live it . Health-onomics of walking & cycling.

PASTA revolution: Making Active Mobility part of daily life

What motivates Europeans to opt for an active commute?
Cycling or walking in European Cities: Is it good for our health?
Questions & Answers

B3: Economic Benefits of Cycling

Session Chair:
Holger Haubold, ECF

FLOW – Cycling as a means of reducing urban congestion
Bonnie Fenton, Rupperecht Consult, Netherlands

Who is in? An exploration of the participants in the German campaign “Mit dem Rad zur Arbeit” (“Cycling to work”)
Bernhard Schrauth, Friedrich-Alexander-University Erlangen-Nuremberg, Germany

Cycling as a job creation mechanism
Dr. Ian Skinner, Transport an Environmental Policy Research, United Kingdom

Fietsen Op Zuid – Promoting cycling on rotterdam’s south bank as a means for socioeconomic development
Chris Roorda, Erasmus University Rotterdam, Netherlands

Sustainable urban goods delivery in Rio de Janeiro: Cycle logistics in nine commercial centres
Jonas Xaver Hagen, Columbia University, United States

Economic factor bicycle
Stephan Kritzinger, Prognos AG

C3: Digital and Data

Session Chair:
Prof. Dr. Daniela Nicklas, University of Bamberg

Cycling and the built environment: An evaluation of bicycle suitability indicators with actual route choices

Raymond Pritchard, Norwegian University of Science and Technology, Norway

DataCycle – the Irish Cycleway Maintenance Management System

Bidisha Ghosh, Trinity College Dublin, Ireland

Supporting bicycle monitoring from civil society: The example of Bogotá’s bicycle account

Carlosfelipe Pardo, Despacio.org, Colombia

From people to people – The self-benefit of crowdsourced cycling data as part of the european cycling challenge
Giuseppe Liguori, SRM, Reti e Mobilità, Italy

Reading’s EMPOWER Project as a take up city: Incentivising new people to cycle instead of driving using a smartphone app and other ICT

Marian Marsh, Reading Borough Council, United Kingdom

Moving towards happiness? Understanding travel moods through twitter data in Turin

Giulia Melis, SiTI – Higher Institute on Territorial Systems for Innovation, Italy

* The programme is preliminary.

13:00 – 14:00 Lunch break

14:00 – 15:30 Session 4:

**A4: PASTA. Walk it. Bike it. Live it .
Health-onomics of walking & cycling.**

Changing trends: Bringing PASTA to our cities

Promoting safe walking and cycling to improve public health

Health-onomics of cycling and walking – the “new Health Economic Assessment Tool -HEAT”

Voices from the PASTA cities: the experience of policy makers

Questions & Answers

B4: Safety (Workshop)

Session Chair:

Sabine Schulten, Sebastian Bührmann, German Institute of Urban Affairs

Accident analysis and comparison of bicycles and pedelecs

Dr. Tina Gehlert, German Insurers Accident Research, Germany

Loving or hating bike paths? Why do some cyclist prefer separation and some cycling in mixed traffic?

Prof. Dr. Carmen Hagemeister, TU Dresden, Germany

Cyclists' red light running – Influence of bicycle type under different conditions

Dr. Katja Schleinitz, TU Chemnitz, Germany

New road regulations for cyclists at traffic lights – What is the safety impact?

Thomas Jouannot, Cerema, National Center For Studies and Expertise on Risks, Environment, Mobility, and Urban and Country planning, France

Coordinated traffic signals for cyclists on main bike routes

Denise Kramer, TU Berlin, Germany

C4: Bike-Sharing, Electric Bikes and Intermodality

Session Chair:

Parvesh Kumar Sharawat, Innovative Transport Solutions (iTrans)

Evaluating cargobike sharing's potential for sustainable mobility: Early adopters' characteristics and user behavior

Clemens Rudolf, University of Stuttgart, Germany

Clean transport for a clean city – applications of electric cargo bikes in city cleaning (TRASHH)

Dr. Christian Rudolph, German Aerospace Center (DLR), Germany

Bicimad: madrid public bike system, experiences and future steps

Sergio Fernández Balaguer, Madrid Public Transport Company (EMT Madrid), Spain

The economic and social efficiency of bike sharing systems in French cities

Haingotiana Rajaonah, Université des Sciences et Technologies, Lille1, France

E-bikes for new citizens in Munich: Insights into determinants and barriers of e-bike use and ownership

Ruth Blanck, Oeko-Institut e.V., Germany

Can electric bikes empower future mobility solutions?

Dr. Amy Guo, Newcastle University, United Kingdom

Equity of access to bike-and-ride trips in the city of Malmö

Zahra Hamidi, Malmö University, Sweden

Analyzing the potential of bike & ride to improve suburban access to the city center: a case study of Seville

Ricardo Marqués, Universidad de Sevilla, Spain

15:30 – 16:00 Coffee break

16:00 – 17:00 Conclusion of the day

PASTA recipes for healthy cities

International Mosaic III

Keynote

Manfred Neun, President ECF

17:00 – 18:00 Bike Excursions

18:30 – 22:00 Evening reception: Bertha-Carl-Benz Award

Cycling and walking make THE Link –Transport, Health and Environment

Moderator: Franklin Apfel

08:30 – 09:00 Arrival & Registration

09:00 – 10:00 Opening and Framing the Agenda

- Welcome** UNECE/WHO, UBA
- Hand-over ceremony of THE PEP-Baton from Vladivostok, Russia to Mannheim** Lothar Quast (Deputy Mayor of Mannheim) and representative of the city of Vladivostok, Russia
- Keynote** Linking the International Cycling Conference, PASTA and THE PEP – Lessons from the last two days

10:00 – 12:00 **Session I: Developing Cycling Policy**

Birgitta Worringen (Head of Directorate “Sustainable Mobility, Energy, Logistics”, Federal Ministry of Transport and Digital Infrastructure, Germany)
 Pan European Master Plan of Cycling (Sylvie Banoun, France and Robert Thaler, Austria)
 Short Break
 Developing Cycling Policy in “Starter-”, “Climber-” and “Champion-Countries: Interview with representatives from Azerbaijan, Serbia and Denmark
 Developing Cycling Policy at the International Level: Synergy with the European Union (enquired)
 Economic Benefits of Cycling Tourism (Alexander Stedtfeld, Federal Ministry for Economic Affairs and Energy, Germany)
 Panel discussion

12:00 – 13:00 Lunch break

13:00 – 14:30 **Session II: Environment and Urban Mobility**

Dr. Norbert Salomon (Head of Directorate IG I “Immission Control, Safety of Installations and Transport”, Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety, Germany)
 “Reverse Innovation: Rethinking urban transport through global learning” (Dr. Harry Lehmann, German Environment Agency)
 Planning for sustainable transport policies – Assessing CO₂-Emissions (George G. Georgiadis, UNECE)
 Fishbowl Conversation

14:30 – 14:50 Coffee break

14:50 – 16:15 **Session III: Health and Active Mobility**

Dr. Ute Winkler (Head of Division, Federal Ministry of Health, Germany)
 Active Mobility in Ukraine: National and Local Perspective (Olena Chernyshova, Ukraine: Board member of “Ukrainian Cycling Network” and Board Member of the NGO “Urban Reforms”)
 The new HEAT-Health Economic Assessment Tool (WHO): interactive demonstration with the audience; Dr. Nick Cavill (tbc)
 Fishbowl Conversation

16:15 – 16:30 **Closing Session** Summing and Farewell: Mannheim, UBA, WHO/UNECE

17:00 **Bike Excursion to Heidelberg (tbc)**

* The programme is preliminary.

A CRITICAL APPROACH TO THE RECENT CYCLING INFRASTRUCTURE DESIGN STANDARDS AND GUIDELINES IN GREECE

Bakogiannis, E., Siti, M., Kyriakidis, C.

Cycling has been ubiquitous in European communities for decades, thus bicycle is treated as equal to the automobile, with the same or even more freedoms for its movement. Cycling infrastructure are devoted to cyclists when technically feasible or shared with other users where conditions and the local culture allows it. Cycle lanes and tracks are developed according to the geometrical characteristics of the existing network, traffic volumes, speeds etc, while following specific design standards in most cases.

Given the narrowness of the Greek street network and the non-constant width of traffic lanes and pavement spaces, as well as the degradation of public space due to the dominance of the automobile, cycling was only lately added to the public urban discourse as a decent alternative to cars and a fair supplement to walking and public transportation.

Until 2016, the development of cycling infrastructure was based on ministerial guidelines, European design standards and Greek experts' publications. Today, as the first specifications for configuring bicycle infrastructure in Greek streets have been issued from the Ministry of Transportation, the discussion is focused on how these design standards will manage to 'fit' the bicycle in the choked Greek streets. Although it seems that the standards aim to promote further the use of bicycles in daily commuting- by making a fair redistribution of the road space- reality opposes to the current and future implementation of infrastructure.

This paper aims to critically explore the issued standards and correlate them to the urban street environment in Greece. At first the analysis is comparing other European countries' standards (France, Scotland, Belgium etc.) with the Greek regarding the methodology of producing a cycling network and cycle infrastructure geometrical characteristics. Secondly, the paper presents the critical concerning points in regard to the issued Greek standards, indicating cities and road networks that could be predominantly excluded from introducing cycling infrastructure, and thus only allowed to create shared spaces where cars and bikes share the pavement. A special section explains the difficulties of introducing cycling in such car-centric communities and how 'strict' and not adaptable and dynamic regulations could cease further its development.

Keywords: cycling design standards, cycling infrastructure, Greece, car-centric communities