
Czech-Norwegian workshop on Building bilateral research network towards resilient, smart and sustainable cities and regions

*funded from the Fund for bilateral relations of the Environment, Ecosystem and Climate
Change Programme*

Norway Grants 2014-2021

June 9-10, 2022, Prague, CTU Prague

Hosting institution:

Faculty of Transportation Sciences, Czech Technical University in Prague (FTS CTU)

Co-organizer:

Faculty of Science and Technology, University of Stavanger, Norway.

Venue:

**FTS CTU, Konviktská 20, 4th floor, meeting rooms 403, 110 00, Prague, Czech
Republic.**

Main objectives of the workshop:

The main focus of this Czech-Norwegian workshop will be the exchange and broadening of the knowledge about planning in the context of smart, sustainable and resilient cities. Opportunities for cooperation within the framework of European grants will also be presented and explored among participants.

Invited researchers from the University of Stavanger will share their expertise related to innovative technologies and infrastructure solutions in the context of smart cities and their relations to the environment. The participants from the Czech Technical University in Prague will contribute with their expertise in the field of smart mobility and logistics, intelligent transport system in urban engineering and smartness assessment of cities also in terms of resilience.

Last but not least climate change mitigation and adaptation policies, strategies (including risk management ones), technologies and measures in the context of transport infrastructure and operations at the local and regional level in both countries will also be addressed for future joint cooperation between both universities and other Czech and Norwegian stakeholders.

Target audience:

The workshop is highly recommended for researchers of higher education institutions (including doctoral students), entrepreneurs, representatives of municipalities, city councils and regional authorities, representatives of non-profit organizations and civic associations engaged in the field of smart and sustainable cities and regions.

During the workshop sessions concrete opportunities of cooperation within opened or upcoming calls within European grants will be presented and explored (e.g. Bilateral Fund of Norway Grants, Erasmus+ Alliances for Innovation, Horizon Europe programme, among others). The preliminary creation of Czech-Norwegian network of partners for these initiatives will be fostered for further development.

Workshop Programme

June 9, Thursday

10:00 – 10:30 | Welcome

Prof. Ondřej Jiroušek, Vice-Dean for Research and Science at the Faculty of Transportation Sciences, CTU Prague, Ticiano Costa Jordao, project coordinator

His Excellency, the Ambassador of the Norwegian Embassy in Prague, Robert Kvile

Ivo Marcin, Director of the Fund's Strategy and International Cooperation Department of the State Environmental Fund of the Czech Republic

10:30 – 11:45 | Contribution of key external participants related to sustainable development initiatives in the Czech Republic

Ing. David Michalička, mayor of the town Říčany

Presentation about the town of Říčany in the context of sustainable development and smart technologies, nominated the town with the best quality of life in the Czech Republic

Jan Kuchař, Mayor of the town Františkovy Lázně and the chairman of the Association of Spa destinations in the Czech Republic

Františkovy Lázně – *The Greenest spa town in the Czech Republic*

Petr Kalas, president of the Czech-Business Council for Sustainable Development, Advisor for EEA & Norway Grants, Czech-Swiss expert in the field of environment, energy and industrial planning and a former Czech Minister of the Environment.

Presentation of the Czech Business Council for Sustainable Development and its activities in the context of smart, sustainable and resilient cities.

Tomas Janeba, president of the Association for Infrastructure Development

Presentation of the Czech Infrastructure Association and its activities in the context of smart, sustainable and resilient cities

11:45 – 12:45 | Introduction of researchers of FTS CTU and their research fields in the context of resilient, smart and sustainable cities and regions.

15 minutes presentation of each researcher followed by comments and questions.

Dr. Ticiano Costa Jordão, Department of Science & Research

Climate Change Adaptation in the transport infrastructure European Urban Environment

Assoc. Prof. Václav Jirovský, Institute of Security Technologies and Engineering, member of the Scientific Council

The role of the security technologies and engineering in the Smart City evolution

Dr. Vaclav Jirovský – Institute of Security Technologies and Engineering, Member of Advisory Group of EARPA and ERTRAC (European Commission)

Sustainable automated road vehicles in the context of Mobility as a service (MaaS).

12:45 – 13:30 | Lunch break

13: 30 – 15:00 | Introduction of researchers of FST UoS and their research fields in the context of resilient, smart and sustainable cities and regions.

15 minutes presentation of each researcher followed by questions.

Assoc. Prof. Tegg Westbrook, Department of Safety, Economics and Planning

Wireless infrastructures and technologies to enable identification and notification purposes applicable to a variety of thematic areas, especially climate change mitigation and adaptation.

Assoc. Prof. Ari Krisna Mawira Tarigan, Department of Safety, Economics and Planning

Seeking collective actions among citizens for protecting urban environment: A co-creation approach

Assoc. Prof. Gianfranco Nencioni, Department of Electrical Engineering and Computer Science

The applications of 5G wireless technology and its relation to the environment

Dr. Cristian Tosa, Department of Safety, Economics and Planning

From hypermobility to active travel: towards a smart and carbon-neutral urban mobility

Ph.D candidate Ayda Joudavi, Department of Safety, Economics and Planning

Sustainable mobility, especially bicycle use

Ph.D candidate Maria Korkou, Department of Safety, Economics and Planning

Green infrastructure through nature based solutions for sustainable and liveable cities

15:00 – 15:30 | Opportunities of funding for projects in the field of resilient, smart and sustainable cities and regions

The opportunities presented within European grants will address the ideas of projects identified for bilateral cooperation.

Ticiano Costa Jordao

15:30 – 16:30 | Matchmaking session for bilateral research cooperation

The participants will be separated in the large roundtable of the conference room to discuss on commonly identified areas for future cooperation within European Grants.

Moderated by invited speakers from CTU and UiS

16:30 – 17:00 | Closing session

Final notes on the identified common areas for research cooperation and opportunities of funding and set up of action plan and initial steps of memorandum of agreement for research cooperation.

June 10, Thursday

In the second day technical visits will be undertaken with the group of researchers of the University of Stavanger to the laboratories of the Faculty of Transportation Sciences of CTU Prague;

09:00 – 10:30 | Technical visit to the Czech Institute of Informatics, Robotics and Cybernetics (CIIRC CTU Prague).

11:00 – 12:00 | Technical visit to the laboratory of the Institute of Security Technologies and Engineering, CTU Prague.

12:00 – 13:00 | Lunch break

13:30 – 15:00 | Technical visit to the Prague Institute of Planning and Development

