
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 2-3, 2022, Stavanger, Norway

Hosting institution:

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

Co-organizer:

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

Venue:

Faculty of Science and Technology, University of Stavanger, Kjølvs Egelands hus, Room E-166, Kristine Bonnevis vei 22, 4021 Stavanger, Norway.

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.

The researchers from the University of Stavanger who will attend the workshop will address circular economy in the Norwegian building sector, wireless communication using 5G for the future smart cities, and the use of high-endurance drones for risk management and emergency response.

Invited researchers from the Czech Technical University in Prague will share their expertise related to climate change adaptation in the transport infrastructure, smart approaches at the railway-road interface, possibilities of evaluation of transport structures in cities and highway systems and technologies.

Other relevant participants from local enterprises, innovation cluster on smart cities and municipalities will provide additional valuable contribution to the workshop.

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.

Program of the workshop and technical visits:

Thursday June 2 morning session (Room KE E-166)

10:00 – 10:05	Welcome (Anders Riel Müller, UiS)
10:05 – 10:15	Introduction to Faculty of Transportation Sciences, CTU
10:15 – 10:45	<i>Climate Change Adaptation in the Transport Infrastructure</i> , Dr. Ticiano Costa Jordao, Department of Science and Research Faculty of Transportation Sciences, CTU Prague
10:45 – 11:15	<i>Smart approaches at the railway-road interface</i> , Assoc. Prof. Tomas Tichy Institute of Transport Telematics, Faculty of Transportation Sciences, FTS CTU Prague
11:15 – 11:30	Break
11:30 – 12:00	<i>Possibilities of Evaluation of Transport Structures In Cities</i> , Dr. Josef Filip Institute of Transportation Systems, Faculty of Transportation Sciences, FTS CTU Prague
12:00 – 12:30	<i>Railway safety/Highway systems and technologies</i> , Dr. Vladimir Faltus Institute of Transport Telematics, Faculty of Transportation Sciences, FTS CTU Prague

Thursday June 2, Afternoon session (Room KE E-166)

12:30 – 13:30	Lunch
13:30 – 14:00	<i>Introduction to UiS Research Network for Smart Sustainable Cities</i> , Dr. Anders Riel Müller, Department of Safety, Economics and Planning, UiS
14:00 – 14:30	Barriers and enablers for the reuse of building materials - Circular economy in the Norwegian building sector, Dr. Ari Tarigan, Department of Safety, Economics and Planning, UiS
14:30 – 15:00	<i>Wireless Communications for the Future Smart Cities</i> , Dr. Gianfranco Nencioni, Department of Electrical Engineering and Computer Science, University of Stavanger
15:00 – 15:30	<i>The opportunities for high-endurance drones for risk management and emergency response</i> , Dr. Tegg Westbrook, Department of Safety, Economics and Planning, UiS
15:30 – 16:00	Opportunities for research cooperation within European Grants in the field of sustainable, smart and resilient cities. Dr. Ticiano Costa Jordao

Friday June 3:

09:30 – 10:30	Autonomous Bus in Stavanger
10:30 – 12:00	Nordic Edge Innovation Cluster and Innoasis
12:00 – 13:00	Lunch
13:00 – 14:00	Forus Industrial Park (Yago Autonomous Technology cluster, Mobility Forus, VIA Infrastructure Cluster)
14:00 – 15:00	Visit to Demonstration tunnel/ Ålgårdsbanen