



OPEN INNOVATION AS A DRIVING FORCE FOR SMART SUSTAINABLE CITIES

The role of Sino-Norwegian cooperation in the EU-China Partnership on Sustainable Urbanisation

Date: 15.00-18.00 Wednesday 18th April 2018

Venue: Mukamu Grand Ballroom, Xinjiang Plaza,

7 Sanlihe Rd, Haidian District, Beijing, China

三里河路 7 号新疆大厦三层木卡姆宴会厅

Registration: wang.yu@ntnu.no , caupd_eu@163.com

Host by



Co-organized by:



Short description of the subject/topic for the seminar

Purpose & Outcomes

This roundtable seminar will

- cluster long-standing cooperation and commitment by Norwegian and Chinese urban experts, across the entire public and private sector value chain, to create smart sustainable cities as driving forces towards a low carbon future,
- emphasise the importance of Sino-Norwegian cooperation to create an open innovation framework with systemic design, collaborative technologies and community-centred approaches in cities;
- showcase Norway's prominent role in the EU-China Partnership on Sustainable Urbanisation;
- discuss recommend the development of a Sino-Norwegian centre on smart sustainable cities to intensify these commitments and ensure they can be scaled up, replicated and transferred research and innovation, education and capacity building.

Background

CAUPD China Academy of Urban Planning and Design is a government agency under the Ministry of Housing and Urban-Rural Development, responsible for planning of 80% of major Chinese cities. NTNU and CAUPD are coordinators and key partners of two H2020 projects on EU-China cooperation on sustainable urbanization, with funding from H2020 and co-funding from the Chinese Ministry of Science and Technology:

- URBAN-EU-CHINA Innovation Platform on Sustainable Urbanisation (NTNU Lead, CAUPD Co-lead) with 7 European and 5 Chinese partners <http://www.urbaneuchina.eu>
- TRANS-URBAN-EU-CHINA Transition towards urban sustainability through socially integrative cities in the EU and in China (CAUPD Co-lead, NTNU in charge of living labs in China)

Through these projects and close cooperation with representatives of the European Commission and the Chinese Ministry, we have started to discuss the urgent need for cooperation on education, exchange of staff, internships and other capacity building activities on sustainable urbanisation. The cooperation agreement between NTNU and CAUPD currently includes

- Exchange of staff and students
- Collaboration in teaching, research and development and consultancy studies, including double degree master and PhD programmes
- Curriculum development and review, attendance of courses and upgrading of teaching and research skills, exchange of academic materials and publications.
- Provision of cultural and intellectual enrichment opportunities for staff and students
- Organisation of seminars, colloquia, study tours and other types of academic discussions

NTNU and Trondheim municipality officially kick-started their university-city agreement TRD3.0 in January 2018, aiming to ensure long term, strategic access to knowledge, expertise and technology for development of good sustainable societies, including a smart city innovation playground with work spaces, citizen interaction, exhibition spaces and more, as a national pilot project. In October 2017 the CEO of Trondheim municipality and the head of TRD3.0 travelled to China with NTNU to discuss with CAUPD and other Chinese partners how extend the cooperation on TRD3.0.

Nordic Edge and NTNU signed a cooperation agreement in 2016 on the organisation of the Nordic Edge Smart City Expo in Stavanger. During a 10-day study visit in China organised by Innovation Norway, Nordic Edge and NTNU discussed the creation of "Nordic Edge China", which will be organised for the first time on 24-25 October 2018 in Beijing.

NMBU and NIBIO have several EU- and Norwegian funded cooperation projects with China:

- SiEUGreen: Sino-European innovative green and smart cities project under EU-China H2020 SFS-48-2017 (2018-2021) with 13 European and 7 Chinese partners (NMBU, NIBIO in Norway and Chinese Academy of Agricultural Sciences (CAAS) in China)
- EdiCitNet: Edible Cities Network: Integrating Edible City Solutions for Socially Resilient and Sustainably Productive Cities. 5-yrs (2018-2023) Innovation Action (Grant agreement no. 776665) under call H2020-SCC-2016-2017 Urban Europe, «Smart and Sustainable Cities», 11.25 MEUR; 35 partners in total, 4 Norwegian: NIBIO, Work Research Institute, Oslo municipality, Nabolagshager (SME), 2 Chinese: Beijing University, City of Wenquan (Guangzhou), Lead: Technical University of Berlin, Germany.

The Fridtjof Nansen Institute (FNI) has several research projects related to China, and Chinese environmental, energy and climate politics, in particular related to political processes and carbon markets aimed at urban emissions reduction, amongst others:

- The Alliance of Peaking Pioneering Cities (APPC)
- CCICED Special Policy Study on Model Studies and the report on Good City Models under the Concept of Ecological Civilisation
- China National Human Development Report UNDP 2013 on Sustainable and Liveable Cities: Toward Ecological Civilization

FAFO and CASTED have several cooperation projects related to sustainable innovation in the society and wellbeing index.

Related topic in the action plan for collaboration between Norway and China 2018-2020

1. Environment, Climate and Low-emission societies
2. Renewable Energy, Low Carbon Energy Technologies
3. ICT

PROGRAM

15.00 – 15.10 Welcome, introduction of programme and participants

Annemie Wyckmans, NTNU, Project Coordinator of URBAN-EU-CHINA

15.10 – 15.30 Keynote addresses: Sino-Norwegian cooperation within the EU-China partnership on Sustainable urbanisation

YANG Baojun, President of CAUPD

Petter Skarheim, Secretary General, Ministry of Education and Research

Gunnar Bovim, Rector of NTNU

Laurent Bochereau, Head of Science, Technology and Environment Section at Delegation of the European Union to China

John-Arne Røttingen, CEO of Research Council Norway

15.30 – 16.15 Presentation of Sino-Norwegian cooperation projects on smart sustainable cities, funded by Norway, EU and China part I (15 minutes each)

URBAN-EU-CHINA and TRANS-URBAN-EU-CHINA: *Annemie Wyckmans (NTNU)*

Chinese co-funding projects on EU-China cooperation on sustainable urbanization: *Chang Liu (CAUPD)*

University-city agreement TRD3.0 as cornerstone for triple helix cooperation with China: *Kristian Mjøen, Leader of TRD3.0, Trondheim municipality*

16.15-16.45 Coffee break

16.45 – 17.30 Presentation of Sino-Norwegian cooperation projects on smart sustainable cities, funded by Norway, EU and China part II (15 minutes each)

SIUEGreen and EdiCitNet: *Jihong Liu Clarke (NIBIO), Weijie Jiang and Xifeng Gong (CAAS), with contribution by Trine Hvoslef-Eide and Petter D. Jenssen (NMBU)*

Sustainable and liveable cities: climate change & low carbon pathways: *Gørild Heggelund (FNI)*

Sustainable innovation in the society and wellbeing sustainable index: *Yandong Zhao (CASTED) and Huafeng Zhang (Fafo)*

Nordic Edge China 24-25 October 2018: *Ivar Rusdal, Chairman Nordic Edge*

17.30 – 17.50 Roundtable discussion: Clustering Sino-Norwegian cooperation within the EU-China partnership on sustainable urbanization

Facilitation by Thomas Hansteen, Advisor with responsibility for China, Research Council Norway

17.50-18.00 Summary

18.00-21.00 NorAlumni reception

Participants – Norway

Petter Skarheim, Secretary General, Norway's Ministry of Education and Research
John-Arne Røttingen, CEO of Research Council Norway
Gunnar Bovim, rector, NTNU
Bjarne Foss, vice rector research, NTNU
Johan Hustad, Director of NTNU Energy
Nina Sindre, international affairs coordinator, NTNU
Annemie Wyckmans, URBAN-EU-CHINA Project Coordinator, NTNU
Yu WANG, Project Manager of URBAN-EU-CHINA, NTNU
Peng GAO, Senior Commercial Officer, INNOVATION NORWAY, Royal Norwegian Embassy - Commercial Section
Thomas Hansteen, Research Council of Norway, Special Advisor with responsibility for China
Ivar Rusdal, Chairman at Nordic Edge Smart City Expo
Kristian Mjøen, Head of the University-City Agreement TRD3.0
Nils Vagstad, Director General/CEO, NIBIO
Per Stålnacke, Director of Research, NIBIO
Gaute Lenvik, Director General, VI (Vet Inst) TBC
Gørild Heggelund, Senior Research Fellow, Fridtjof Nansen Institute (FNI)
Huafeng Zhang, FAFO
Jing Liu, FAFO
Mona Christophersen, Fafo

Participants – China

Leader at Ministry of Housing and Urban-Rural Development (TBC)
Baojun YANG, President at CAUPD
Jianming ZHOU, Director of dept. of culture and tourism CAUPD
Jing ZHANG, Director of dept. of market CAUPD
Xiaolei PENG, Director of dept. of research, CAUPD
Chang LIU, project manager CAUPD
Xifeng Gong, Director General, International Division, CAAS
Tianjin Chen, Deputy Director of bilateral cooperation, Internal division, CAAS
Deliang Peng, Prof. Institute of Plant Protection, CAAS
Weijie Jiang, Prof. Institute of Vegetable Research, CAAS
Xiande Li, Prof. Institute of economy, CAAS
Yandong Zhao, Professor, Director of the Institute of Science, Technology and Society, CASTED
Yue LIU, Vice head of international department, China Center for Urban Development
Kevin GAO, Project Officer, European Union Chamber of Commerce in China
Odette Paramor, professor, University of Nottingham China

Participants – delegation of the European Union to China

Laurent Bochereau, Head of Science, Technology and Environment Section at Delegation of the European Union to China
Rositsa Petrova, Attaché of Science, Technology and Environment Section, Delegation of the European Union to China and Mongolia
EU Member States Scientific Research and Higher Education Counsellors