



EU-CHINA SUSTAINABLE URBANISATION FLAGSHIP INITIATIVE



**STRATEGIC JOINT RESEARCH AND INNOVATION
ACTIONS TO TURN CHALLENGES INTO
OPPORTUNITIES FOR GROWTH, JOBS AND BETTER
LIVING CONDITIONS FOR MILLIONS OF URBAN
CITIZENS BOTH IN EUROPE AND CHINA.**

**Priority Areas of mutual interest for EU China research and innovation collaboration
on Sustainable Urbanisation**

**Sustainable Development and Urban Planning
Nature-based Solutions for Cities
Green Urban Mobility
Sustainable Energy Solutions for Cities**

URBANISATION FLAGSHIP – WORK PROGRAMME 2018-2020

Strategic joint EU-China research and innovation cooperation in sustainable urbanisation is a long standing priority for both sides and it has been pursued with a number of joint projects in FP7 and Horizon 2020. Cooperation for the period 2018-20 will target sustainable urbanisation with nature-based solutions for urban ecosystems and natural treatment solutions for water security in cities. These topics are intended to promote balanced and substantial cooperation between European and Chinese partners.

HORIZON 2020 WORK PROGRAMME 2018-2020

SC5-13-2018:
Strengthening international cooperation on sustainable urbanisation: nature-based solutions for restoration and rehabilitation of urban ecosystems. a)
Strengthening EU-China collaboration (2018)

SC5-25-2020:
Strengthening EU-China cooperation on sustainable urbanisation: Enhanced natural treatment solutions for water security and ecological quality of water in cities

HORIZON 2020 – EU-CHINA CO-FUNDING MECHANISM (CFM)

The China-EU co-funding mechanism on research and innovation (CFM) cooperation has played a significant role in supporting win-win cooperation since its launch in December 2015. The European Commission and Chinese Ministry of Science and Technology (MOST) agreed the renewal of the CFM for the period 2018-2020 to support joint projects between European and Chinese universities, research institutions and companies. Under CFM the Chinese Ministry of Science and Technology (MOST) will provide financial support on a competitive basis to China-based entities that will participate in joint projects with European partners under Horizon 2020. For the period 2018-2020, MOST intends to reserve an annual budget of up to 200 Million RMB, and the EC intends to reserve a budget of up to 100 Million Euro in Horizon 2020 calls targeting cooperation with China. Sustainable urbanization is among the CFM priorities. China-based participants in projects selected under Horizon 2020 are invited to apply for co-funding from MOST.

SUSTAINABLE URBANISATION COOPERATION IN HORIZON 2020 & FP7

Through targeted research and innovation actions in various interrelated topics surrounding cities (transport, environment, energy, urban planning etc.), the EU and China strive for cost-effective, integrated technological and nature-based solutions that provide multiple benefits, resource and energy efficiency, reduce GHG emissions, increase urban resilience to changes, better health and leverage costly problems into opportunities for growth, jobs and better living conditions for millions of urban citizens both in Europe and China.

COOPERATION IN HORIZON 2020

URBAN-EU-CHINA

EU-China Innovation Platform on Sustainable Urbanisation
<http://www.eurocities.eu/eurocities/projects/Urban-EU-China>

DESTINATIONS

Demonstrating and testing innovative solutions for cleaner and better urban transport and mobility

<http://civitas.eu/destinations>

SOLUTIONS

Sharing Opportunities for Low carbon Urban transport

<http://www.urban-mobility-solutions.eu/>

GROW GREEN

Green Cities for Climate and Water Resilience, Sustainable Economic Growth, Healthy Citizens and Environments

<http://ipo.leitat.org/grow-green/>

URBAN GreenUP

New Strategy for Re-Naturing Cities through Nature-Based Solutions

<https://www.urbangreenup.eu/>

COOPERATION IN FP7

URBACHINA

Sustainable urbanisation in China: Historical and comparative perspectives, mega-trends towards 2050

<http://www.urbachina.eu>

VIAJEO

International demonstrations of platform for transport planning and travel information

<http://www.viajeo.imet.gr/>

URGENCHE

Urban Reduction of GHG Emissions in China and Europe

<http://www.urgenche.eu/>

CARGOVIBES

Attenuation of ground-borne vibration affecting residents near freight railway lines

<http://cargovibes.eu/home>

VIAJEO PLUS

International Coordination for Implementation of Innovative and Efficient Urban Mobility Solutions

<http://viajeoplus.eu/>

CITYZEN

Megacity - Zoom for the Environment

http://cordis.europa.eu/project/rcn/88854_en.html

ISSOWAMA

Integrated Sustainable Solid Waste Management in Asia

<http://www.issowama.net/>

BURBA

Bottom Up selection, collection and management of Urban waste

http://cordis.europa.eu/project/rcn/97290_en.html

EURECOMP

Recycling Thermoset Composites of the SST

http://cordis.europa.eu/project/rcn/90590_en.html

CASC

Cities and science communication: innovative approaches to engaging the public

<http://www.eucasc.eu/>

SUME

Sustainable Urban Metabolism for Europe

<http://www.sume.at/>

PURGE

Public health impacts in urban environments of greenhouse gas emissions reduction strategies

<http://purge.lshtm.ac.uk/>

CORFU

Collaborative research on flood resilience in urban areas

<http://www.corfu7.eu/theproject/>

WISETRIP

Wide Scale network of E-systems for Multimodal Journey Planning and Delivery of Trip Intelligent Personalised data

<http://www.wisetrrip-eu.org/>

THE EU-CHINA URBANISATION FLAGSHIP INITIATIVE

BACKGROUND INFORMATION

Research and innovation forms one of the 5 pillars of the [EU-China Partnership on Urbanisation](#) launched in 2012. [The EU-China Joint Workshop on Urban Innovation](#) held in the city of Foshan in May 2013 focused on topics of common interest surrounding sustainable development and urban planning, green urban mobility, and sustainable energy solution for cities. Sustainable urbanisation has also been confirmed as a joint priority at the EU-China Innovation Cooperation Dialogue.

Through targeted research and innovation actions in various interrelated topics surrounding cities (transport, environment, energy, urban planning etc.), the EU and China strive for cost-effective, integrated technological and nature-based solutions that provide multiple benefits, resource and energy efficiency, reduce GHG emissions, increase urban resilience to changes, better health and leverage costly problems into opportunities for growth, jobs and better living conditions for millions of urban citizens both in Europe and China. With the strong commitment to continue develop the research and innovation pillar of the EU-China Sustainable Urbanisation Partnership a package of actions launched under Horizon 2020 will promote innovative nature-based solutions for sustainable urbanisation. The Co-funding mechanism will provide momentum for a strong Chinese participation in these topics.

EU DELEGATION TO CHINA:

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EU Delegation to China website: https://eeas.europa.eu/delegations/china_en

MINISTRY OF SCIENCE AND TECHNOLOGY (MOST): www.most.gov.cn

EUROPEAN COMMISSION

Directorate-General for Research and Innovation: <http://ec.europa.eu/research/index.cfm>

EU-China Research and Innovation Cooperation: <http://ec.europa.eu/research/iscp/index.cfm?pg=china>



