

OVERVIEW

Climate change, energy security and air pollution are some of the key questions for the 21st century. The 10th INCOBRA Factsheet addresses the open call on Urban Mobility and Sustainable Electrification (UMSE). The call focuses on integrated mobility solutions that brings together technology opportunities with local and national policy, including land use and mobility planning. The UMSE scheme incentivises innovative solutions to develop creative services with effective approaches.



LC-GV-05-2019: InCo flagship on Urban Mobility and Sustainable Electrification in Large Urban Areas in Developing and Emerging Economies

Type of Action: IA Innovation action

Deadline model: single-stage

Focus Area: Building a low-carbon, climate resilient future (LC)

What does it offer?

A basis for strengthening the collaboration of the European Union with Asia, Latin America (CELAC) and Africa, which also offers both a common starting point for common future legislative efforts, as well a favourable setting for new business opportunities for innovative local and European entrepreneurs.

Call details:

Opens: 04 Dec. 2018

Closes: 25 April 2019 – at 17h Brussels time zone

Budget: 18M EUR

Scope

Actions should bring together European, Asian (e.g. China), CELAC (Community of Latin American and Caribbean States) and African research partners, government agencies and urban authorities, private sector and civil society with relevant expertise and competence within the corresponding cooperation framework and foster participatory engagement in urban electrification in order to reduce air pollution and CO₂ emissions. International cooperation is encouraged.

Proposals should address all of the following activities:

- E-mobility management strategies, focusing on smart deployment and operation of vehicles, in particular electrified vehicle, to increase mobility and energy efficiency, emission reduction and user acceptance of electrified vehicles*;
- Comparative demonstrations activities and pilots in cities, with at least one demonstrator in the following regions: Europe, Asia, Africa and CELAC (leading to a minimum of 4 city demonstrators);
- Innovative concepts for electrified road public transport (passenger and freight), jointly designed through International Partnerships as a contribution to a wider sustainable mobility concept, from the perspective of a seamless mobility, taking in account the acceptance of users (travellers or freight operator);
- Implementation concepts to scale up the demonstration activities and evaluation of the relative outputs. The implementation concepts to scale up the demonstration activities and exploration of the sustainable mobility planning in the city transformation process should include:
 - Sustainable planning of city and transportation infrastructure: link city planning with policy discussion and implementation solutions and city goals and with any Air Quality Plans
 - Dedicated plans for financing solutions, including public and private operations.
 - Regional and international replication conditions to reach out to a larger number of cities and countries

* Cooperation and synergies with ongoing activities undertaken with international initiatives such as Decarbonising Transport (International Transport Forum) and the Urban Electric Mobility Initiative (UN-Habitat) and other joint initiatives of European Member States international cooperation initiatives and the European Commission (e.g. Mobilise Your City) should be sought where appropriate.



Expected Impact:

- Capability to quantify the potential reduction of greenhouse gas and pollutant emissions as well as traffic congestion, by demonstrating improvements that can be achieved with new urban mobility systems and electrification, for each stakeholder in the value chain (in line with the objectives set by the COP21 and the New Urban Agenda)
- UN's Sustainable Development Goals 11 "Sustainable cities and communities" and 13 "Climate Action"
- Reference models of the mobility system to provide a basis in order to assess the ability to replicate sustainable concepts by demonstrating the short- and long-term benefit for the stakeholders involved, and especially considering the relevant boundary conditions (i.e. infrastructure, vehicle, usage needs and patterns, governance, financing schemes, urban organization, etc) and how the result contributes to key EU policy goals (including climate goals and competitiveness of European industry)
- A basis for strengthening the collaboration of the European Union with Asia (e.g. China, India, etc.), Latin America (CELAC) and Africa, which also offers both a common starting point for common future legislative efforts, as well a favorable setting for new business opportunities for innovative local and European entrepreneurs.

Cross-cutting Priorities:

- [Open Innovation](#)
- [Clean Energy](#)
- [Contractual Public-Private Partnerships \(cPPPs\)](#)
- [EGVI](#)
- [RRI](#)
- [Socio-economic science and humanities](#)
- [International cooperation](#)

Eligibility and Admissibility Conditions:

Eligible countries: described in [Annex A](#) of the Work Programme. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon 2020 projects. See the information in the [Online Manual](#).

Evaluation criteria, scoring and thresholds are described in [Annex H](#) of the Work Programme.

Submission and evaluation processes are described in the [Online Manual](#).

Where relevant, proposals should also provide information on how the participants will manage the research data generated and/or collected during the project, such as details on what types of data the project will generate, whether and how this data will be exploited or made accessible for verification and re-use, and how it will be curated and preserved

Further information:

Check out INCOBRA [Practical guide for the participation of Brazilian entities](#) and [FAPs \(State Funding Agencies\)](#)
Or check out [Research & Innovation Participant Portal](#)

Contact [INCOBRA helpdesk](#)