

ENHANCE transdisciplinary research collaboration into climate change and urban sustainability

19th November 2020

As a starting point to develop transdisciplinary research collaboration the main objectives of ENHANCE relative to the topic are presented. Existing groups working on the ENHANCE pilots for climate change and urban sustainability, as well as their transversal artificial intelligence pilot, are invited to present their background and interests to facilitate the dialogue with the ENHANCE research community onto future joint proposals and academic initiatives.

SCHEDULE

Date: 19th November 2020

Program:

- 9:00 Welcome session and presentation
- 9:20 ENHANCE pilots and academic/research collaboration opportunities
- 9:40 Research portfolio from ENHANCE partners for pilots:
 - Climate change
 - Sustainable cities
 - Artificial Intelligence
- 11:15 Joint debate
- 12:45 Conclusions

PILOTS

CLIMATE CHANGE

Climate evolution is perhaps the most critical challenge for today's world. Its evolution is clearly connected to how cities can become neutral in their impact to carbon balance.

URBAN SUSTAINABILITY

Cities subsystems need to be explored individually and through their aggregate impact on the complex sustainability paradigm which needs to be understood and managed.

ARTIFICIAL INTELLIGENCE

Data availability is increasing exponentially and smart technologies allow a degree of understanding and interaction with cities, their processes and policy, which needs to be addressed for a transdisciplinary approach towards sustainability.

WORKSHOP PRESENTATION

During the "Research portfolio from ENHANCE partners" session, each group should make a short presentation of maximum 5 minutes. This will include 3 slides answering the following questions:

- How does your group address "Urban Sustainability and climate change".
- Research experience and relevant related projects.
- Complementary skills search for collaboration.

ORGANIZATION



Enhance is an alliance of seven European universities, coordinated by TU Berlin, with a focus on science and engineering, born to bring technology closer to society.

Members:

Technische Universität Berlin

Warsaw University of Technology

Politecnico Milano

RWTH Aachen University

Norwegian University of Science and Technology
Chalmers University of Technology of Sweden

Universidad Politécnica de Valencia

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