



WORKSHOP

How a collaborative network of research infrastructure can benefit urban drainage modelers.

Monday, September 15. 13:00 – 16:30

The European project Co-UDlabs aimed to integrate research and innovation activities in the field of Urban Drainage Systems, and to facilitate collaborations for both researchers and practitioners by means of a programme of transnational projects and a set of tailored research and networking activities.

In this workshop some participants of the project will first present the benefits of the collaborative working performed in the transnational access activities of Co-UDlabs. The discussion will then be open with the participants about how a network of large-research infrastructures can support the work of Urban Drainage modelers.

In a second part, the workshop will present the UDRAIN Working Group which aims to establish the first global network of large research infrastructures focused on urban drainage systems. This initiative aiming to address the lack of coordination in Europe and worldwide in the field of Research Infrastructures will be open for discussion with the participants.

AGENDA

13:00 – 13:10. Introduction to the workshop and key remarks of Co-UDlabs project. Jose Anta, Universidade da Coruña

13:10 – 13:50. Co-UDlabs ecosystem catalogue of open datasets of sensors and technologies. How to make data more accessible, reusable and interoperable.

GROOF – A 1-min high resolution dataset for hydrological analysis of green roof performance. Jean-Luc Bertrand-Krajewski, INSA-Lyon

RTC dataset for enhancing CSO control and flow discharge monitoring in UDS. Alma Schellart, University of Sheffield.

High-resolution large-scale rainfall simulator dataset for flood models. Spyros Pritsis, NTNU.

Validation of new sensors and technologies to enhance urban drainage systems and assets modelling. Pierre Lechevallier, EAWAG

13:50 – 14:30. Discussion. In small groups the attendees will be able to discuss and contextualize the topics presented based on their own research experience. The aim of the session is to explore the topics presented and to rank ideas and tasks which allow for a better reuse of the datasets and services generated in research facilities by urban drainage modelers. It will also include a “Co-UDlabs data set market-place” to propose participants to use some of the available Co-UDlabs data set and initiate possible collaborations.

14:30 – 15:00. COFFEE BREAK

15:00 – 15:15. Presentation of the UDRAIN working group on Large-scale Research Infrastructure (RIs) activities. Jose Anta, Universidade da Coruña.

The WG initiative aims to create a comprehensive global inventory of large-scale RIs in urban drainage, promote technical cooperation and knowledge sharing, standardize data collection, research protocols, and training activities.

15:15 – 15:30. Conceptual foundations, semantic models and tools to effectively share Urban Drainage data. Alfredo Chavarria and Jörg Rieckermann, Eawag

15:30 – 16:10. Discussion: In small groups the attendees will be able to discuss and contextualize the topics presented based on their own research experience. The aim of the session is to explore the topics presented and to rank ideas and tasks which allow for a better share and reuse of the datasets and services generated in research facilities by urban drainage modelers. Beyond technical aspects, funding possibilities can also be explored.

16:10 – 16:30. Closure: How to consolidate a community of Urban Drainage open data providers. The role of JCUD WGs in Data and Models and UDRAIN. All presenters and attendees.

A final plenary session would gather the outputs of the workshop, summarizing the key points from the presentations and discussions, highlighting the most promising ideas and tasks identified by the attendees. The session aims to outline a roadmap for future collaboration and actions, ensuring that the insights gained are effectively implemented to enhance the reuse of datasets and services in urban drainage research.

Organization:



UDRAIN WG - Large Research Infrastructure in Urban Drainage



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Building Collaborative Urban Drainage research lab communities

www.co-udlabs.eu