

## UNITE! Virtual Research Encounter

### “Roof, walls and open space – Green Infrastructures and Nature-based Solutions in urban areas”

This Research Encounter is intended as a platform of exchange regarding ongoing project and thesis work in the interdisciplinary field of Green Infrastructures and Nature-based Solutions. It is an opportunity to bring students and researchers from different universities together and to boost cooperation in this particular field of research and teaching.

**Organizers:** Prof. Jochen Hack, Technical University of Darmstadt  
Prof. Cristina Matos Silva, IST, Universidade de Lisboa

**Date:** September 17, 2020, 14:00 – 17:00 CET

**Via Zoom:** <https://tu-darmstadt.zoom.us/j/96041214052>

#### Program:

14:00 – 14:15 Welcoming and Introduction

14:25 – 14:40 Introduction of the SEE-URBAN-WATER Research Group: Multifunctional Nature-based Solutions to improve urban drainage and wastewater treatment

14:50 – 15:05 Introduction of the GiGroup: Green Infrastructures Group of CERIS, IST

15:15 – 15:30 Economic evaluation of green roofs and green walls (PhD thesis)

*BREAK*

15:45 – 16:00 Hydrological performance of green roofs in Mediterranean climates (Research work)

16:10 – 16:25 Water treatment with green walls (Master thesis)

16:35 – 16:50 Potential of retrofitted green infrastructure to reduce runoff in urbanized areas throughout a model implementation with site-specific constraints (Master thesis)

17:00 – 17:15 Assessing the realistic potential for retrofitted and multifunctional urban green infrastructure in public areas (Master thesis)

17:25 – 17:40 Green Infrastructure in Darmstadt: Evaluation of the ecosystem service potential of a City's green spaces (Master thesis)

*FAREWELL*