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# CITIES, RAIN AND RISK

## ABSTRACT BOOKLET

*4 projects - 4 themes – 22 abstracts*



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## **ClimateCafe for interdisciplinary active Knowledge exchange on Climate Adaptation: 25<sup>th</sup> edition Malmo Climatecafe**

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### The INXCES Project

Our urban and rural environment (rivers, cities) are becoming increasingly vulnerable for climate change and there is an urgent need to become more resilient. Climatecafe is developed by Groningen and Rotterdam University of Applied Sciences to gather factual and objective data in a short period of time (1-2 weeks) by young professionals and practitioners that enable them to assess the 'level of resilience' of a specific area.

The first step in climate adaptation strategy 'Analyse, ambition, act' is identification of bottlenecks in areas such as flooding, drought, and heat. International exploratory city scans are set up in order to put the necessary steps in place to go from 'analyse' to 'action'. During a scan, an international 'Quadruple Helix' team (government, industry, academia, civil participants) work together towards tangible results. Bringing these multidisciplinary viewpoints together in an environment that promotes team working, collaboration and the sharing of ideas. By working together, this quadruple helix approach can create new shared value that benefits all participants. Technology (such as interactive tools and quickscan modelling) plays a key role in creating networks and connectivity. The ability to gather relevant information and measurement data in a short time frame about the level of resilience at street or urban area level makes the climate scan unique. This knowledge may help citizens and other stakeholders in urban areas or neighbourhoods to develop support for, and implement, climate adaptation measures. The participating parties work together to select a variety of challenges.

Climatecafe aims to use low-cost and low-tech tools and instruments. Parameters that are assessed in rivers and city scans: urban heat (temperature), urban floods (infiltration capacity), urban water quality (several parameters as: nutrients, chlorophyll, oxygen), air quality (several parameters) and waste pollution (plastic waste). Storytelling is recently added as a successful method to collect subjective data such as the opinion and perspective of the community and integrate these data in the climate scan results. The climatecafe method was tested in different areas around the globe (Asia, Europe, Africa) in groups of young professionals and stakeholders in rapid urban appraisals.

**Climatecafe Malmo** is an interactive multidisciplinary fieldwork based event with practical examples of climate adaptation. Climatecafe Malmo is an effort for bridging the gap between research, applicability and societal effects. This 25<sup>th</sup> edition of Climatecafe will raise awareness and show how research relate to UN SDGs Sustainable Development Goals, exchanging knowledge with: >50 young professionals, >15 nationalities, >15 disciplines. Climatecafe Malmo will measure, map, scan and assess different parameters that give insight in the vulnerability and adaptation of a defined urban area of Malmo (Augustenborg). The following actions are planned:

- measure, map and scan sustainable urban drainage systems (with the tool [www.climatecan.nl](http://www.climatecan.nl))
- demonstration and participation in full-scale infiltration tests
- mapping of pollutants in SuDS
- measure water quality with your phone
- heat stress mapping

Climatecafe Malmo is organized before and during the end congress of 3 projects (14: INnovation for eXtreme Climatic Events (INXCES), MULTI-SCALE URBAN FLOOD FORECASTING (MUFFIN), SURF (Sustainable Urban Flood Management). Climatecafe Malmo will give you: International networking with 9 European Universities and multiple disciplines.

In conclusion, there is a clear demand for an active collaborative knowledge-sharing activity as climatecafe. This event helps raising awareness and capacity building on climate adaptation and will help policy makers and practitioners to gather valuable data for decision-makers in a rapid appraisal at neighbourhood and city level. The results of Malmo Climatecafe will be presented at 13 and 14<sup>th</sup> June 2019 by young professionals.

## Join climatecafe Malmo, 11–14th June 2019, Sweden

Join us for a climatecafe during the seminar: Muffin, INXCES & SURF

Climate change is making our living environment more vulnerable. We need to learn how to become sustainable and resilient. The Climatecafe is a interactive fieldwork based event with practical examples of climate adaptation. This is an multidisciplinary approach, bridging the gap between research, applicability and societal effects. We will raise awareness and show how research relate to (all) UN SDGs Sustainable Development Goals, exchanging knowledge with: >50 young professionals, >15 nationalities, >15 disciplines.









Climate Cafe addresses

**UN Sustainable Development Goals**

within these topics:



**Climate cafe Malmo**

- Climate action storytelling
- Clean water
- Climate change adaptation
- Heatstress mapping
- Early warning
- Life below water
- Citizens Science

**ClimateCafe will give you:**

International networking with 9 European Universities and multiple disciplines.

Hands on learning how to:

- measure, map and scan sustainable urban drainage systems
- demonstration and participation in full-scale infiltration tests
- mapping of pollutants in SuDS
- measure water quality with your phone
- heat stress mapping

Present your results at the seminar of the JPI Water projects INXCES, Muffin and SURF.

Your results will help stakeholders to develop and implement climate adaption measures.

The event is free (take care of travel & lodging yourself). Interested? Email: Allard Roest by: [a.h.roest@pl.hanze.nl](mailto:a.h.roest@pl.hanze.nl)  
 More info: [climatecafe.nl/news](http://climatecafe.nl/news) (50 places available, first come, first served (last 10 selection on country & discipline)).

Fig. 1 Climatecafe Malmo (source: <https://climatecafe.nl/2019/01/city-climatecan-malmo-will-be-held-10-14-june-2019>)

**Acknowledgements:** This study would not have been possible without funding JPI Water funded project INXCES and Interreg IVb project WaterCoG (water-Co-Governance).