



SESSION DESCRIPTION

H1 Practical tools from the Climate Proof Cities Project

Workshop

Date: Saturday, May 31, 2014

Time: 14:30-16:00

Rooms: S34-35

Language: English

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<http://knowledgeforclimate.climate-research-netherlands.nl/climateproofcities>

Organized by: Peter Bosch

OBJECTIVE

In 2014, the Dutch Climate Proof Cities research project comes to an end. In the past four years research institutes and cities have worked together to improve the knowledge on the impacts of climate change on Dutch cities, on their vulnerability, the adaptation options and strategies, and the governance of making Dutch cities climate resilient. Although it may seem a contradiction, cities in this low-lying country have only recently begun considering adaptation as a topic for local authorities. With most attention for national flood protection, topics such as increased frequency of heat waves and flooding caused by extreme rainfall events have only recently received attention of cities. Currently, only two cities (Rotterdam and the Hague) have an adaptation strategy. Together with the Climate Proof Cities research project, the large cities in the Netherlands have started developing tools for increasing their resilience. As the vulnerability of Dutch cities to climate change impacts varies considerably within a city, the tools developed in the Netherlands (vulnerability and planning tools for heat and pluvial flooding) display a lot of detail, compared to other available tools.

This workshop aims at discussing a few of these tools to consider if they (or the principles they are based on) could be useful in other cities of the world.

OUTCOMES

Participants will leave the workshop session with:

- Inspiration on tools and methods for assessing the vulnerability of cities for heat waves and extreme rainfall events.
- Knowledge on the variability of the vulnerability to climate change within a city and the determining factors.



METHODOLOGY

Facilitator *Peter Bosch, Research Scientist, TNO, Utrecht, the Netherlands*

14:30 – 14:35 **Introduction to the Climate Proof Cities research program**

Peter Bosch, Research Scientist, TNO, Utrecht, the Netherlands

14:35 – 14:45 **Urban heat vulnerability mapping in Amsterdam and Rotterdam**

Alexander Wandl, Researcher, Technological University Delft, the Netherlands

14:45 – 14:55 **A vulnerability typology of buildings for heat waves**

Vera Rovers, Researcher, TNO, Utrecht, the Netherlands

14:55 – 15:05 Question and answer session on the heat wave vulnerability tools

15:05 – 15:15 **3Di - The vulnerability and design tool to prevent pluvial flooding**

Floor Speet, Researcher, Nelen en Schuurmans, Amsterdam, the Netherlands

15:15 – 15:25 **The use of 3Di for planning interventions in the Watergraafsmeer, Amsterdam**

Presenter *Eljakim Koopmans, Senior Policy Advisor, Waternet, Amsterdam, the Netherlands*

15:25 – 16:00 Open discussion on the tools, and their applicability in other cities and conclusions. Break-out groups will discuss heat wave vulnerability tools and their applicability in other cities, and the flooding vulnerability and design tool and its applicability in other urban areas.

Further recommended reading

Climate Proof Cities Consortium– Progress report 2013 - Management summary:

http://promise.klimaatvoorruijnt.nl/pro1/publications/show_publication.asp?documentid=8626&GUID=dd4119df-63db-4077-87d7-4157e4be9b2f

Knowledge for Climate Research Program:

<http://knowledgeforclimate.climateresearchnetherlands.nl/climateproofcities>
