

Resilient Cities 2010

1st World Congress on Cities and Adaptation to Climate Change Bonn, Germany, 28-30 May 2010

Session description, as of May 26, 2010

F4 Urban heat islands

Date: 29.05.2010

Session language: English

Time: 16.00-17.30

Contact: Janeth Pineda, bonn2010-program@iclei.org

Room: S31

Cooperation:

OBJECTIVE

The Urban heat islands session gives a comprehensive overview of the risks and impacts related to rising temperature in urban settlements. Furthermore, it presents the findings from strategies implemented in Germany, United States and Canada. It shows indicators and best practices used to ensure population's safety during heat-waves as well as strategies for urban planners and practitioners. The session provides a perspective from government officials, university researchers and international experts.

METHODOLOGY

- The facilitator will introduce session topic and presenters. (5 minutes)
- The session will consist of two presentations. (45 minutes)
- Brief questions and comments from audience will follow each presentation.
- The facilitator will manage final questions and comments. (30 minutes)
- The facilitator will deliver concluding remarks. (5 minutes)

CONTRIBUTORS

Facilitator *Michael HUGHES, Program Associate, ICLEI USA Office, Boston, USA*

Presenter *Robert KONONWECH, Doctoral Student, University of Michigan, Ann Arbor, USA*

and

Presenter *Marie O'NEILL, Assistant Professor, University of Michigan, Ann Arbor, USA*

Urban preparedness for heat events

This session will focus on research from the University of Michigan that explores what cities in the US can and are doing to prepare their citizens and infrastructure for increases in urban temperature. The session will provide insight into heat-health indicators used to track public safety and the strategies employed to ensure residents are kept safe during heat events. In addition to address existing and innovative strategies that local governments can employ today into the future to deal with urban heat events. (http://resilient-cities.iclei.org/fileadmin/sites/resilient-cities/files/Images_and_logos/F4_-_Urban_heat_islands.pdf)

Presenter *Lutz KATZSCHNER, Professor, Env. Meteorology Unit, University Kassel, Kassel, Germany*

Urban climate strategies against future heat stress conditions

Climate change will affect urban climates in terms of urban heat island and air pollution. Both have considerable impact on health risk. The presentation reports on the interdisciplinary research project "Klimzug" which aims to develop local scenarios of climate change in order to help urban planners, agricultural projects and health service to understand upcoming problems.

Lutz Katzschner is meteorologist and Professor for environmental meteorology at the University Kassel, Germany, in the faculty of architecture and urban planning. His main science interest is urban climatic mapping from meso- to micro-scales and their implementation in an urban planning perspective. The indicator is thermal comfort. He is chairman of the guideline committee urban climate and planning Verein Deutscher Ingenieure in Germany. He is presently carrying out projects on global warming aspects and their effect in urban climatology in different countries.

Further recommended reading
