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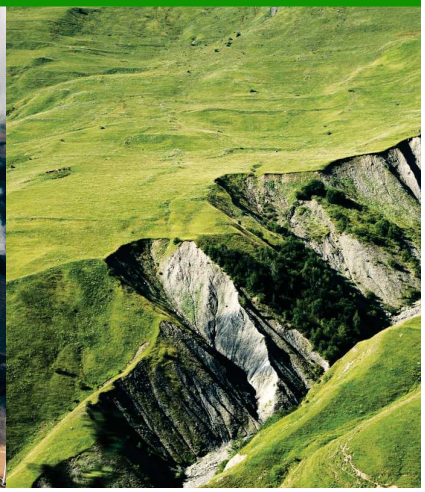
ADAPTATION FUTURES 2018

Dialogues for Solutions

ABSTRACTS





TS 828 Urban climate resilience European-African knowledge exchange toolbox: www.climatescan.nl

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There is a wide diversity of projects undertaken to address urban resilience and climate proofing in the world. International interactive open source tools are used as communication aids to promote engagement with stakeholders in the field of climate change and related environmental issues. This abstract describes the results of a new innovating tools on water&technology as „climatescan" and „waterwindow" and their potential implementation in Africa discussed during a special economic mission from Europe to Cape Town & Durban, November 2017.

The objectives are to evalusate the recent results of the innovating tool www.climatescan.nl which is primairly used in Europe. With semi- structured interviews the potential of implementation of these tools in Africa were evaluated during a special economic mission from Europe to Cape Town & Durban, November 2017. The plan is to also use the „climatescan" for a case study on green infrastructure in Johannesburg at the start of 2017, and present the first reactions.

Methods and Materials

Climatescan is an optimized interactive online map application that provides an easy-to-access database of international project information in the field of urban resilience and climate adaptation. The tool is able to support the tasks of prioritising risks, evaluating flood models, designing appropriate remedial measures and map several sustainable urban drainage systems. Engagement with stakeholders within EU projects as INXCES and WaterCoG resulted in evaluating climatescan and other tools. Workshops and semi-structured interviews were conducted with several stakeholders to judge the need and potential for implementation of tools as climatescan in Africa.

Findings

Climatescan is an interactive web-based map application for international knowledge exchange on 'blue-green' projects around the globe. Climatescan.nl has proven to be a successful tool with over 8000 users and more than 2500 international projects (mostly European). The tool is used in several international projects (INXCES, WaterCoG and RECONECT) and workshops and serves the needs of different stakeholders. The international knowledge exchange tools climatescan and waterwindow were evaluated in Africa with the result: stakeholders are in need for tools that are interactive, open source and provide more detailed information (location, free photo and film material). The first African projects are uploaded on climatescan and the tool will be further implemented in Africa.

Significance of the work for policy and practice

The open source website has proven to be helpful not only for practitioners working in this field (triple helix: private, public and research institutes) and particularly useful tool for (PhD-)students, lecturers and researchers. The webtool has been used during economic mission in Africa and international field-trips with participants from countries such as Denmark, Australia, UK, Sweden, Norway and USA. More than 60% of the users is younger than 34 years and 51% female users resulting in engagement with an important target group: young (female) professionals. In conclusion, the outcomes of this project have shown there is a clear demand for a collaborative, knowledge sharing tool where first impressions of different urban resilience projects can be quickly gained.