

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

F. Boogaard, Marieke de Groen, Rick Heikoop, Michiel Bosscher, Joost de Haan, Adaptation Futures 2018 Dialogues for solutions, 5th international climate change adaptation conference, Cape Town 18-21 June 2018.

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

Author/s: Floris Boogaard, Hanze University Of Applied Science, Netherlands

Case 5: Climate Scan in African Cities
Case context: Tauw

Climate change is here to stay, we have to adapt. From surveys and people are in need of Best Management Practices (BMP) to motivate them to implement climate adaptation measures both technical and governance aspects. International interactive open source tools (www.climatescan.nl) are used to promote engagement with stakeholders in the field of climate change and related environmental issues. But their potential is often not fully used. The challenge is how do we promote climate adaptation in Africa and make people implement and share their BMP?

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Content

1. Introduction
2. Challenges
3. Tools: climatescan
 1. Europe (Floris)
 2. Africa (Marieke)
4. Next steps
 - What do you think?
 - Find us, working together?

Weekskills
Case 5: Climate Scan in African Cities
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Analysis
Analysing your area

Ambition
Formulating your ambition

Action
Policy and implementation

Introduction

Science: Hanzelingschool Groenings University of Applied Sciences
practice: Tauw
Education: aqualinks
Local stakeholders:

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Challenges in urban climate

Floodings **waterquality** **Heatstress**

Drought **Airquality** **subsidence** **the world.**

>1001 BMPs

world.

>1001 SUDS: how to exchange this knowledge?

What is it?

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Tools: international knowledge exchange

meetings, fieldtrips, interviews, courses, seminars, jobrotation, augmented reality, serious gaming, ...

world.

Goal: knowledge exchange on climate adaptation

GROENBLAUWE NETWERKEN voor duurzame en klimaatbestendige steden

F. Boogaard, J. Tipping, T. Muthanna, A. Duffy, B. Bendall, J. Kluck, [Web-based international knowledge exchange tool on urban resilience and climate proofing cities: climatescan](#), 14 IWAIAHR international conference on urban drainage (ICUD), 10-15 September 2017, Prague.

Semi structured interviews: functionalities of a Web-based international knowledge exchange tool?

Most stakeholders would like to have tools that are (top 5):

1. 'do it yourself';
2. Free (no registration cost, free photo and film material);
3. Provide more detailed information (exact location);
4. Interactive (local and international examples, benchmark);
5. link to scientific research on SUDS (publications, links to EU projects etc);

F. Boogaard, J. Tipping, T. Muthanna, A. Duffy, B. Bendall, J. Kluck, [Web-based international knowledge exchange tool on urban resilience and climate proofing cities: climatescan](#), 14 IWAIAHR international conference on urban drainage (ICUD), 10-15 September 2017, Prague. [share your talent.move the world.](#)

Results: >3000 projects, >10.000 international users (<2 years)

www.climatescan.nl

>2000 SUDS/WSC projects

Country	Projects
1. Netherlands	428
2. United Kingdom	198
3. France	100
4. United States	74
5. Portugal	70
6. Germany	68
7. Belgium	48
8. Denmark	46
9. Italy	36
10. Austria	26

Method: provided tool for knowledge exchange on suds: www.climatescan.nl

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Most users upload (from desk) high quality photos and videos, docs, links, ...

Take it to the next level

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Upload from desk: docs, links, pictures & movies

HR, Gif, videos etc
From climatescan community

Green roofs
(source: www.climatescan.nl)

Swales/ bioretention
(source: www.climatescan.nl)

world.

Project example Bergen (Norway)

Bergen norway, sustainable watermanagement bryggen

Description
Downloads
Images
Movies
Books
Scientific papers
Link to websites

world.

www.climatescan.nl

ICUD-0412 Web-based international knowledge exchange tool on urban resilience and climate proofing cities: www.climatescan.nl

Internationaal, citizen science

Permeable pavement >75
swales: >100
Green roofs >75
Watersquares >10

world.

Users/Target group

- (Young) professionals

More than 60% of the users is younger than 34 years users resulting in engagement with an important target group: young professionals

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Interaction: ... Top views climatescan (info BMPs)

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Dissimination: Fieldtrips

The webtool has been used during international fieldtrips with participants from countries such as Denmark, Australia, UK, Sweden, Norway and USA.

Wetlands Amsterdam

world.

Climatescan in africa

The image shows two screenshots of the Climatescan web application. The top screenshot displays a map of Johannesburg with several data points and a green arrow pointing to a specific location. The bottom screenshot shows a map of Cape Town with data points. To the right of the Cape Town map is a photograph of a green park area with trees and a building in the background.

Conclusions

- Results: >3000 projects and >10.000 users
- Most impact/interaction with social media
 - Twitter, facebook, instagram
- Most appreciated:
 - Free/Open source
 - Manage your own categories/BMPs
- Threats:
 - No clear coordination/international format
- Most used for:
 - Workshops, international field visits, EU projects (literature, dissemination)
 - also: contests, benchmark, vintage SUDS

Case 5: Climate Scan in African Cities
 Case owner: Taw
 Climate change is here to stay, we have to adapt. From surveys around the world it is concluded that people are in need of Best Management Practices (BMP) to motivate them to implement climate adaptation measures: both technical and governance aspects. International interactive open source tools (see www.climatescan.nl) are used to promote engagement with stakeholders in the field of climate change and related environmental issues. Such tools potential is often not fully used. The challenge is how do we promote climate adaptation in Africa and make people implement and share their BMP?

First thoughts 'steps forward'
 More engagement with (local) stakeholders
 Make it a platform
 Thoughts? Work together?

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I want more info!

<https://www.climatescan.nl/projects/2262/detail>

- www.climatescan.nl
- Apps in store
- Presentations
- Scientific papers
- ...

The screenshot shows a webpage titled "What is climatescan?" with a detailed description of the platform, its goals, and how to use it. It includes sections for "Description", "Generating Urban description", and "Usage".

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Thank you

ANY QUESTIONS?

The image features a world map with numerous colored dots representing Climatescan projects across various continents. To the right of the map is a smartphone displaying the Climatescan mobile application interface, which includes a search bar and a list of projects.

Suggestions: floris@noordernijmegen.nl
 use/register (free participation and scientific results): www.climatescan.nl
 Follow: https://twitter.com/Climate_Scan

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The image shows a collage of content related to the "TS 828 Urban climate resilience" project. It includes a world map with project locations, a photograph of a city street with the text "The climate is right up your street" and "The value of resilience in residential streets. A book of examples", and a smartphone displaying the Climatescan app.

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THANK YOU...

ANY QUESTIONS?

A317 City Scan Method

Author: Rick Heeloo, Rotterdam University Of Applied Sciences, Netherlands

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Author: Floris Boogaard, Hanzeh University Of Applied Science, Netherlands

dr.ir. F (Floris) Boogaard PhD
 professor spatial transformations:
floris@noordernijmegen.nl
 +31651556826
www.climatescan.nl
twitter.com/Climate_Scan

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