

Two-year Deep Dive Process “Heat in the City”

Presented by:

Marwa Soliman & Lea Schnippering

Connective Cities Deep Dive Closing Event
12 June 2025

Partners of Connective Cities



Commissioned by



Two-years of Learning



Virtual Kick-off Meeting
August, 3 2023

In-person Meeting Bonn and Lüdenscheid

October 2023

In-person Meeting Nairobi, Kenya

March 2024



In-person Meeting Heidelberg, Germany
June 2024



In-person Meeting Aswan, Egypt
January 2025

Virtua Closing Event
June 2025

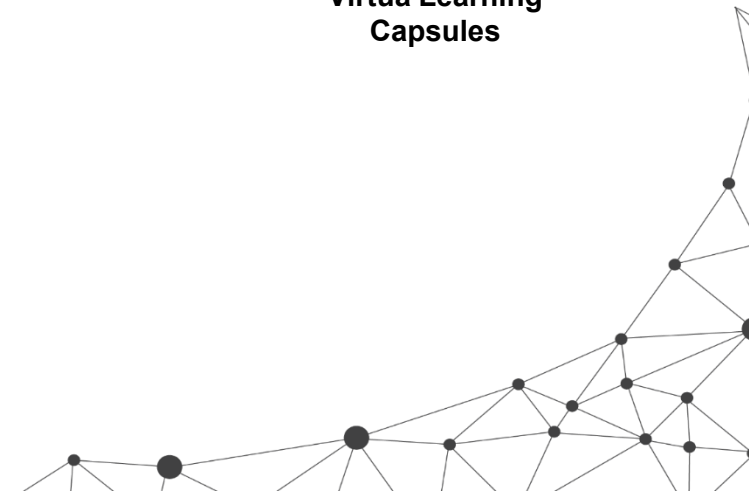


Multiple virtual scientific contributions



Multiple Virtual Coffee Chats

Virtua Learning Capsules



Training on Participatory Research Tools

Virtual kick-off event

In-person meetings in Bonn and Lüdenscheid

Two virtual scientific contributions

In-person meeting in Nairobi, Kenya

In-person Meeting Heidelberg, Germany

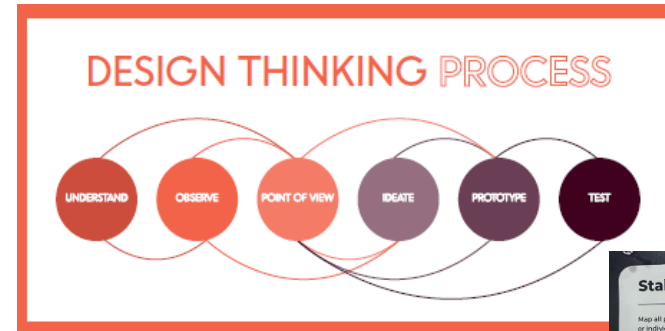
In-person Meeting Aswan, Egypt

Virtual Learning Capsules

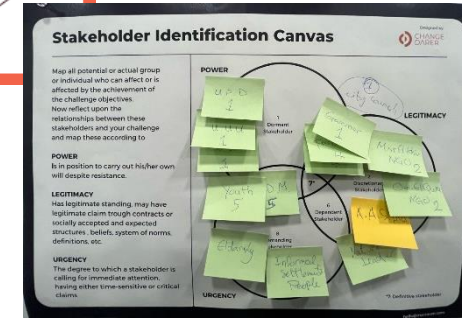
Multiple Virtual Coffee Chats



Know each other **personally**



Design thinking approach



Stakeholder engagement

Visting the city of Lüdenscheid



Instruments for climate adaptation



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In-person meetings in Bonn and Lüdenschied

Two virtual scientific contributions

In-person meeting in Nairobi, Kenya

In-person Meeting Heidelberg, Germany

In-person Meeting Aswan, Egypt

Virtual Learning Capsules

Virtual Coffee Chats

Cities in the Future, or Future of Cities?

Prof. Dr. Juergen P. Kropp

Bauhaus Erde gGmbH, Partner & Power of Attorney
Potsdam-Institute for Climate Impact Research, Head: Urbane Transformations
University of Potsdam, Climate Change and Sustainable Development

BAUHAUS • EARTH



Tree bridges Meghalaya/India



San Francisco/USA



Tokyo/Japan



Bicycle bridge from bio-based composite materials, e.g. timber, resin, etc. (Leeuwarden/NL)

November 23rd 2023
Engagement Global

Amman City: Heatwaves Vulnerability Assessment

Severely vulnerable districts:

- Wadi As Seer
- Badir
- Basman
- An Nasir
- Al Yarmouk
- Al Qweismeh ,
- Abu Alanda, and
- Al Jwaydeh

Highly vulnerable districts:

- Sweileh
- Al Jubeiha
- Tariq
- Markah
- Abdali
- Tlaa' Al Ali, Um
- As Summaq, and
- Khaldia
- Ras Al Ein
- Khreibet As
- Souq, Jawa, and

Medium vulnerable districts:

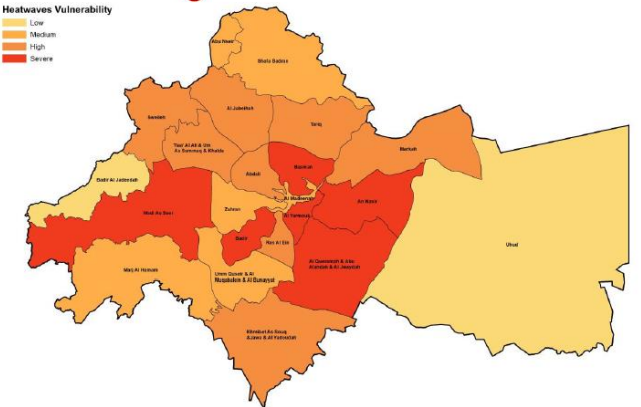
- Abu Nseir
- Shafa Badran
- Al Madeeneh
- Zahran
- Um Quseir, Al
- Muqabalein, and
- Al Bunayyat
- Marj Al Hamam

Low vulnerable districts:

- Bader Al
- Jadeedeh
- Uhud

Heatwaves Vulnerability

Low
Medium
High
Severe



0 2.5 5 10 Kilometers

- **Importance of climate data** collection and developing climate indicators.
- Mainstream **Climate Urban Resilience**.
- Develop a **climate adaptation plan** and implement.

How we can define and prioritize the challenges?

Virtual kick-off event

In-person meetings in Bonn and Lüdenschied

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In-person Meeting Heidelberg, Germany

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Virtual Learning Capsules

Mult

Coffee

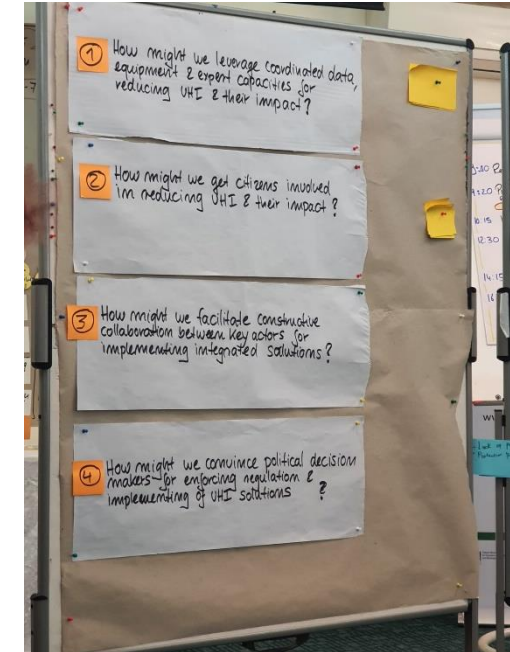


Development of ideas and concrete solutions:

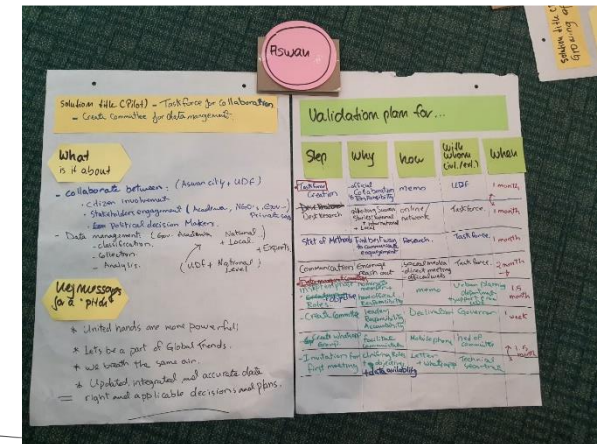
- Feasible Time line,
- Achievable,
- Ready to implement.



Using peer learning, and group work



Pilot projects emerged through a validation plan



Developing of action plans

Learning from the City of Heidelberg

Virtual kick-off event

In-person meetings in Bonn and Lüdenscheld

Two virtual scientific contributions

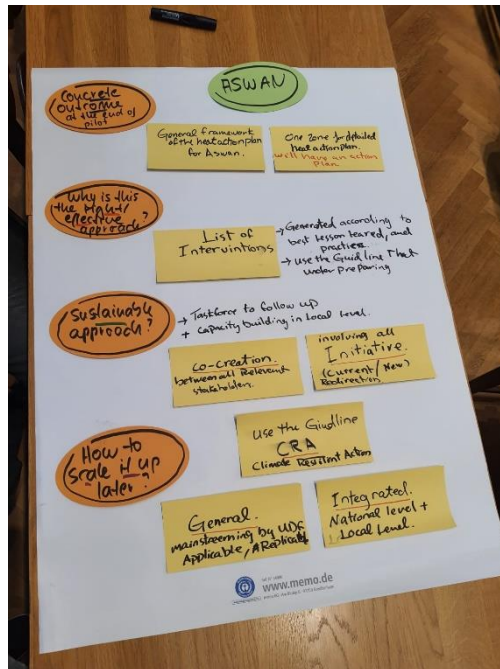
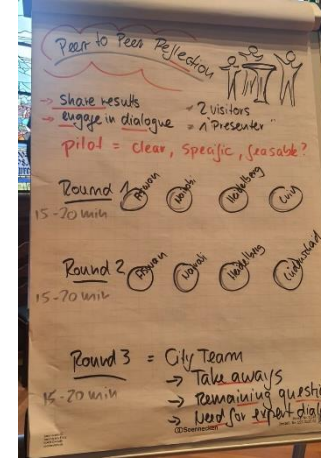
In-person meeting in Nairobi, Kenya

Multiple Virtual Chats

In-person Meeting Heidelberg, Germany

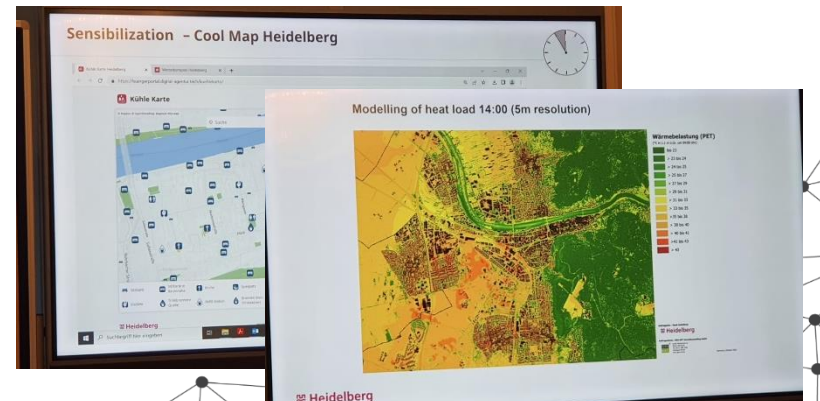
In-person Meeting Aswan, Egypt

Virtual Learning Capsules



Criteria:

- Concrete outcome,
- Feasible approach,
- Tangible result,
- Scalable.



Developing of action plans for upscaling pilots

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In-person Meeting Heidelberg, Germany

**In-person Meeting
Aswan, Egypt**

Virtual Learning Capsules

Multiple Virtual Cof
Chats



**Visiting the pilot
area in Aswan**

Coffee Chats to follow up the progress

Virtual kick-off event

In-person meetings in Bonn and Lüdenschied

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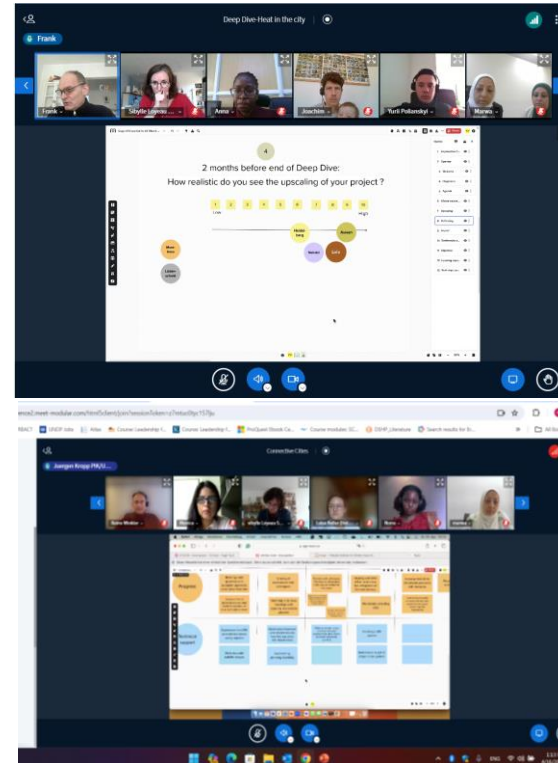
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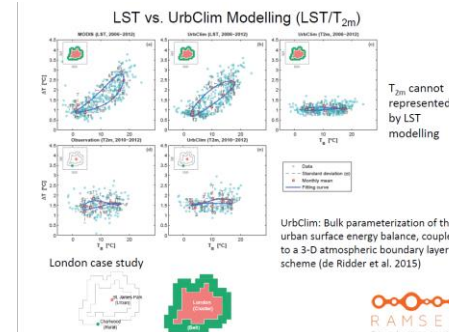
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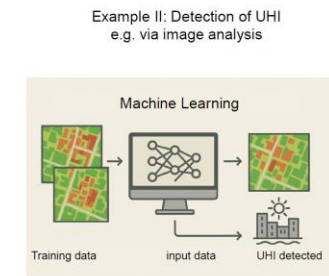


Technical Reports



Three Learning capsules:

- Monitoring the Urban Heat Island: Key Indicators & Data Tools.
- Heat Mitigation Strategies: Affordable & Adaptable Solutions.
- Artificial intelligence for Climate Action: Driving Research & Innovative Solutions.



Thank You

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