

A photograph of a child in a red hoodie standing in front of a makeshift structure made of metal sheets and a trash bin in a shanty town. The structure is built from various materials, including metal sheets and a large grey trash bin. The child is standing on a dirt path. In the background, there are other makeshift structures and a cloudy sky.

**Co-producing
transformations
17/07/2017**

Habitat Unit

Chair of International Urbanism and Design
Prof. Dr. Philipp Misselwitz

MSc. Urban Management

Wits-TUB Urban Lab programme


urbanmanagement.tu-berlin.de

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School VI Planning Building Environment

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Welcome to URBAN MANAGEMENT



"Nowhere to run."
© Gunawan Sudiyono

In most countries the development of human resources has not kept pace with the challenges of urbanization. This has led to an increasing demand for specialized training for administrators, decision makers and planners. The aim of this training is to contribute towards the development of socially inclusive, sustainable, resilient cities both in the 'Global North' and the 'Global South'.

In response to this demand the Technische Universität Berlin offers training programs on specific aspects of urban management for foreign and local experts. Two types of

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URBAN MANAGEMENT PROGRAM
TECHNISCHE UNIVERSITÄT BERLIN



URBAN MANAGEMENT
ALUMNI NETWORK

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Off the Beaten Track:

Urban Regeneration of Hidden World Heritage in L'viv (Ukraine)



IMPROVING INFORMAL AREAS IN GREATER CAIRO

The cases of Ezzbet Al Nasr & Dayer El Nahia



Emerging Towns and Municipalities in Nepal:

Rapid Development Concepts



The Case of Beyoğlu, Istanbul

Dimensions of Urban Re-development



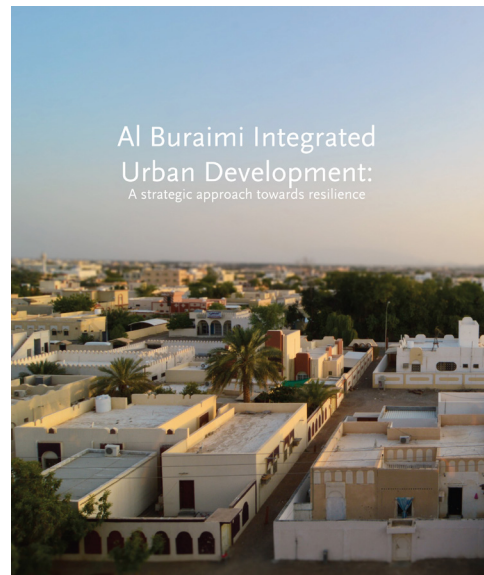
Heritage and Catastrophe:

Prevention, Emergency, Restoration and Transformation in 2009 L'Aquila Earthquake



Al Buraimi Integrated Urban Development:

A strategic approach towards resilience



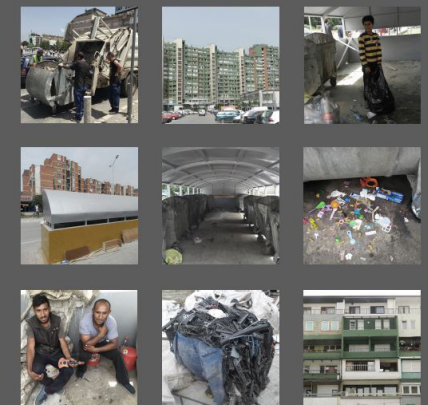
Resilient Cities

Urban Disaster Risk Management in Serbia



Solid Waste Management in Kosovo

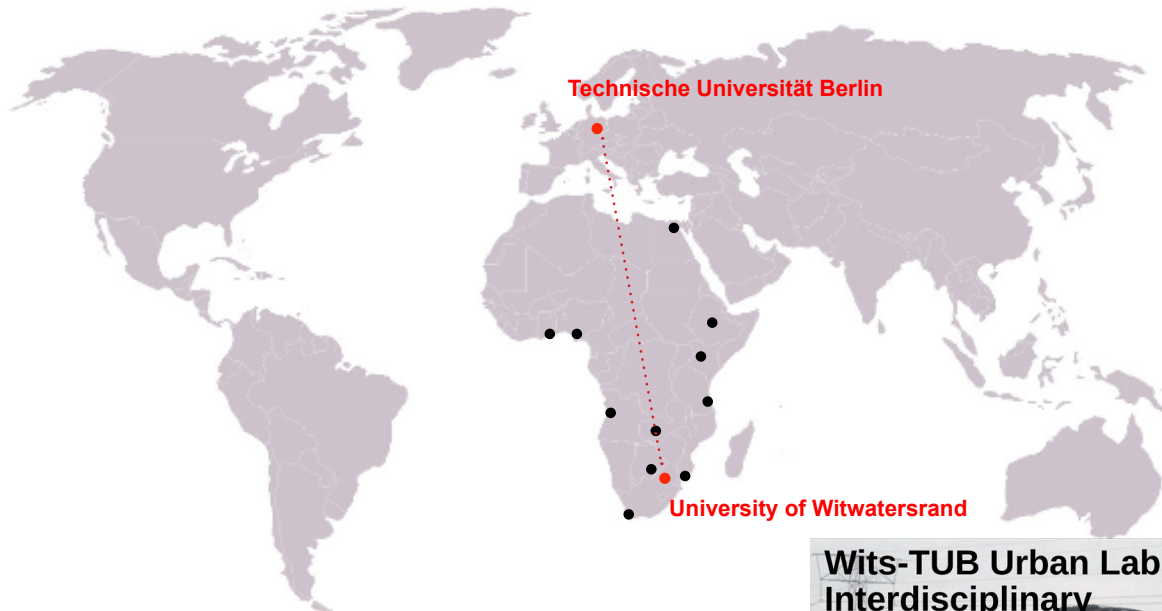
Assessment of a Waste Bank Model in Dardania, Pristina



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Wits-TUB Urban Lab: Rethinking post-graduate education and research approaches



AURI: 14 partner institutions across Africa
AAPS: 55 planning schools in the association

Wits-TUB Urban Lab Interdisciplinary Bilateral Postgraduate Studies Programme

**Application
Deadline:
31.08.2016**

Master Scholarships

For studies in the School of Architecture and Planning, Wits University, Johannesburg, February 2017 - January 2018

Background
The recently adopted 2030 Agenda for Sustainable Development and the Paris Agreement have highlighted the fundamental roles played by cities and local urban stakeholders in achieving sustainable development. The Habitat III process and the New Urban Agenda (NUA), currently under discussion and expected to be agreed in Quito in October 2016, is a unique opportunity to strengthen the urban narrative globally and provide an enabling framework for cities and local urban stakeholders to achieve SDG goals.

By recognising that cities and their inhabitants safeguard global common goods, such as climate, economic prosperity, social integration, democratisation and political stability, a profound change in policy responses is needed to enable truly transformative actions, motivating changes in the way we use, build and govern our urban environments.

The bilateral Wits-TUB Urban Lab programme supported by the Federal Ministry for Economic Cooperation and Development (BMZ) and German Academic Exchange Service (DAAD) seeks to improve graduate education in urban fields across sub-Saharan Africa. Both lead partners, the Habitat Unit at the School of Architecture of the Technische Universität Berlin, and the School of Architecture and Planning at University of the Witwatersrand offer a new urban-oriented graduate and postgraduate training and capacity building programme that would effectively address the challenges and needs outlined above.



Co-producing urban sustainability transformations: Wits-TUB Urban Lab – PhD Programme

Call for Scholarship Applications

Six fully-funded PhD scholarships will be awarded on a competitive basis to South African and other sub-Saharan African candidates for study at University of the Witwatersrand starting July 2017, in collaboration with Technical University Berlin.

The DAAD/BMZ funded Wits-TUB Urban Lab offers a PhD programme based on six prestigious PhD scholarships, three for South African and three for students from other sub-Saharan African countries. The programme invites PhD research contributions, which question whether co-production can serve as a new paradigm to achieve transformation to sustainability in urban areas. How would existing conflictual co-production partnerships need to evolve and what new state-civil society-private sector interfaces might be needed? And what are the roles of urban professionals and researchers in this context?

The submission deadline for scholarship applications is 12 February 2017. Skype-interviews with shortlisted candidates will take place immediately afterwards and decisions communicated by 20 February. The scholarships are subject to admission into Wits

*Supported by the DAAD with funds from the Federal Ministry for Economic Cooperation and Development (BMZ)



**Application
Deadline:
12 February
2017**

University's (School of Architecture and Planning) PhD programme being granted to the selected candidates. For candidates with degrees from outside of South Africa, admission depends on a favourable assessment of the candidate's qualifications by the South African Qualifications Authority (SAQA). As SAQA assessment can take up to two months, international candidates are encouraged to submit their qualifications for assessment to SAQA at the same time as submitting their application for the scholarship. The scholarships are effective from 1 July 2017. Scholarship holders must enrol as full time students in the School of Architecture and Planning at the University of Witwatersrand and complete their research within 3.5 years (July 2017 – December 2020).

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Greening Camps (TUB, UNRWA , GIZ)



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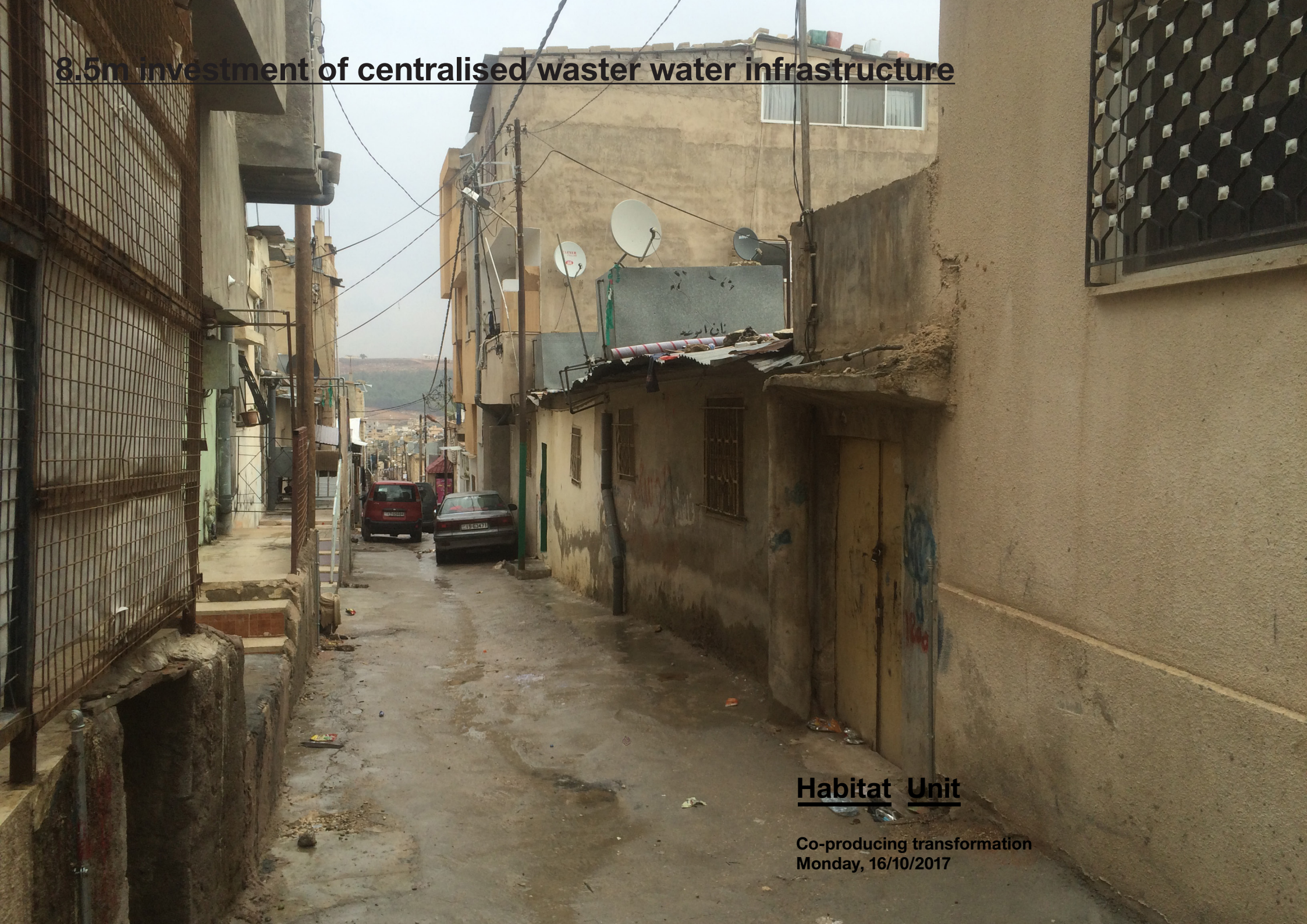
Husn Camp (Gaza Camp), Jordan



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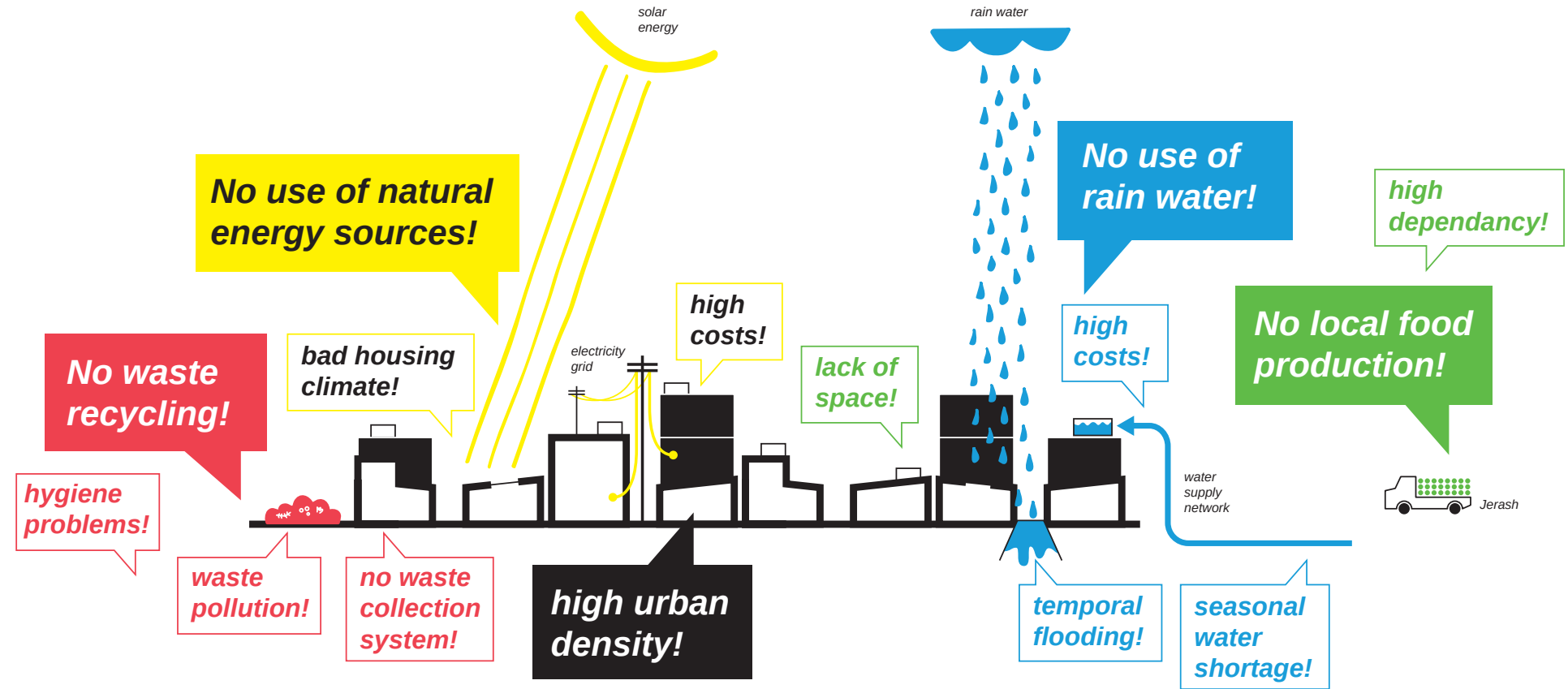
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8.5m investment of centralised waster water infrastructure



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CLIMATE PROBLEMS

68%
zinc roofs

shelters heat
up in summer

high thermal
losses in
winter

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Photographer:
Beatrice Termeer

ENERGY

R03 ReAct Workshop Jerash
Low-tech Prototypes

Refugee City
COPRODUCING GREEN COMMUNITIES
Workshop November 2015

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Chair of
Landscape Architecture.
Open Space Planning

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HIGH ENERGY COSTS

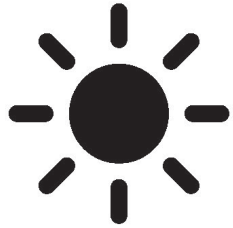


500 - 800 JD

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Potentials & Resources



Natural Resources

300 hours
of sunshine / Month
(annual average)



Material Resources

access to a
high variety of
**low-price
materials**



Social Resources

existing
**Culture of
self-building**
and volunteering

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ENERGY

R03 ReAct Workshop Jerash
Low-tech Prototypes

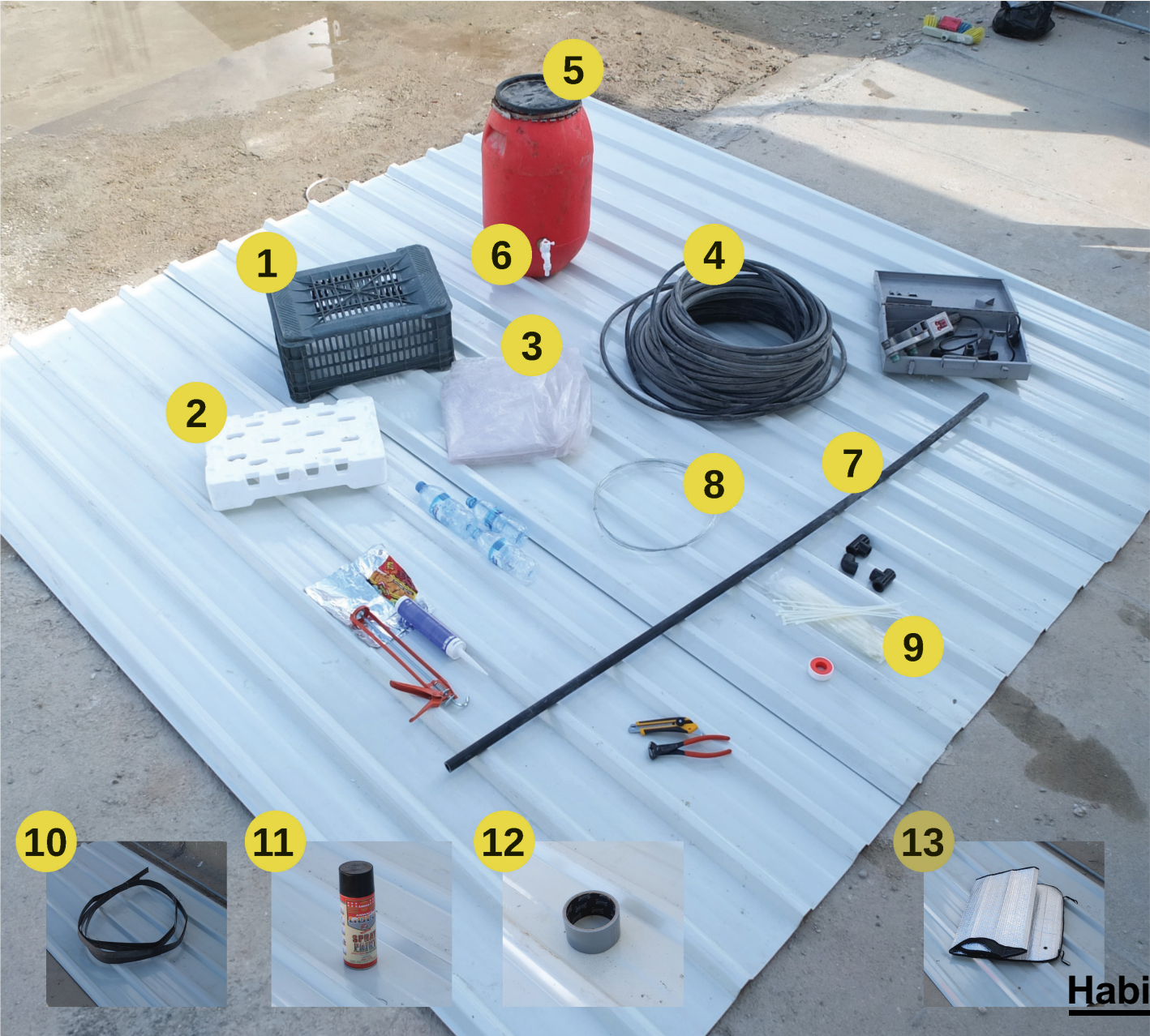
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DIY Solar heater



Basic Materials

1	24 used Vegetable Boxes	8,40 JD
2	48 Styrofoam elements	12,00 JD
3	24 Plastic Bags	1,25 JD
4	1 Black plastic tube (100 m)	15,00 JD
5	1 hot water tank 60 L	4,00 JD
6	Water Outlet (incl. installation)	3,00 JD
7	2 PVC Tubes (2m)	4,00 JD
8	stainless wire 5 m	1,00 JD
9	100 cable ties	2,00 JD
10	2 steel battens	7,00 JD
11	2 cans of black spray paint	2,50 JD
12	1 Duct tape	0,75 JD

61,40 JD

optional Materials

13	6 reflecting foils	6,00 JD
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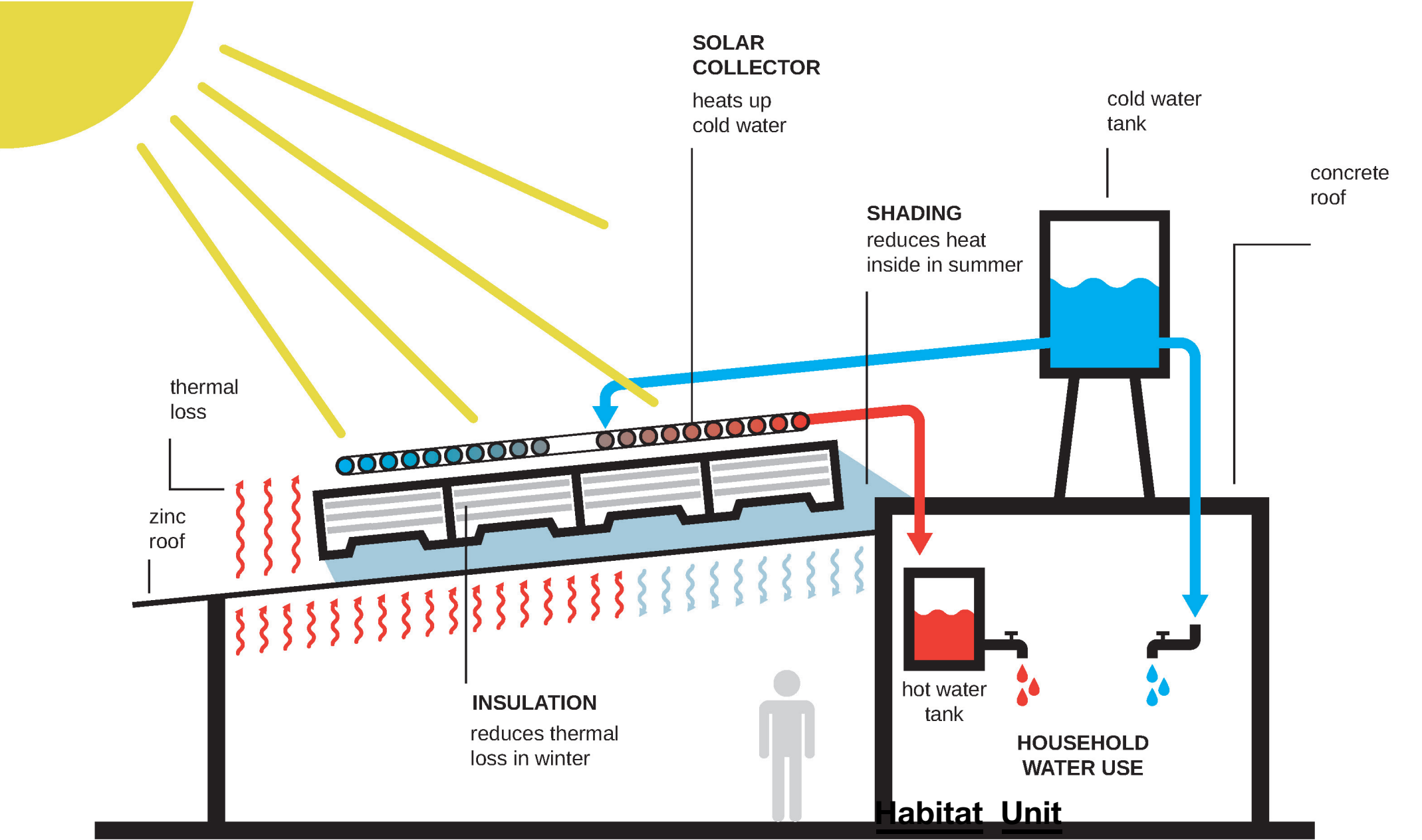
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How does it work?



GREENING PROTOTYPES

food

Bottled Agriculture

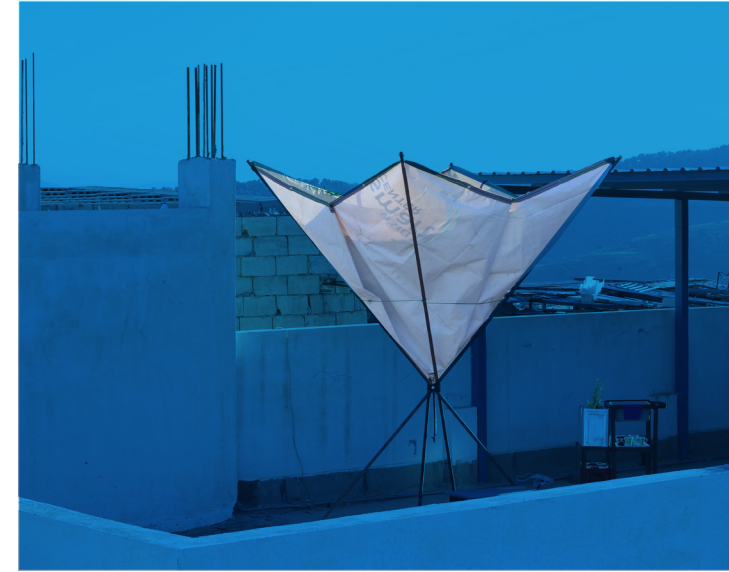
is a vertical micro farming system using only recycled materials. It enables residents to grow plants (herbs) narrow spaces.



water

King Harvest

is a mobile and foldable water harvesting device able to store 3.5 m³ of rain water. It can help to reduce water costs.



waste

Zero Waste system

proposes a new waste collection infrastructure featuring trash bins out of recycled objects.



energy

Zinco Snake

is a low-cost, low-tech and lightweight shelter improvement device featuring a solar water heater and a roof insulation panel. It helps to reduce energy costs and improves the housing climate.



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Co-producing urban sustainability transformations

Collaboration in planning

State-led (formalised) “inclusive”
planning approaches

versus

Co-production in planning

“Alternative forms of governance” and
unorthodox governance arrangements emerge
through “*acts of independent survival practices
where civil society actors mobilize voice and
power that cannot be ignored.*”

Watson Vanessa (2014) *Co-production and collaboration in planning – The difference*, Planning Theory & Practice, 15:1, 62-76, DOI:
10.1080/14649357.2013.866266

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Transformation through old systems and approaches?

- Is the NUA too path-dependent on (failed) policy frameworks, methodologies and tools?
- Do sustainability indicators privilege centralised, techno-managerial (“smart”) solutions?

In search for another “*smart city*”...

- To “*systematically monitor, document and take stock of **dissensus-driven practices** and methods... If we took these practices seriously, if we worked with these living indicators and methods, we could maybe move beyond stale indicator frameworks and immunological practices, and towards an urgency driven framework of global socio-environmental equality.*”

Kaika, Maria (2017) ‘Don’t call me resilient again!': the New Urban Agenda as immunology ... or ... what happens when communities refuse to be vaccinated with ‘smart cities’ and indicators, Environment & Urbanization Copyright © 2017 International Institute for Environment and Development (IIED). 8 9 Vol 29(1): 89–102. DOI: 10.1177/0956247816684763

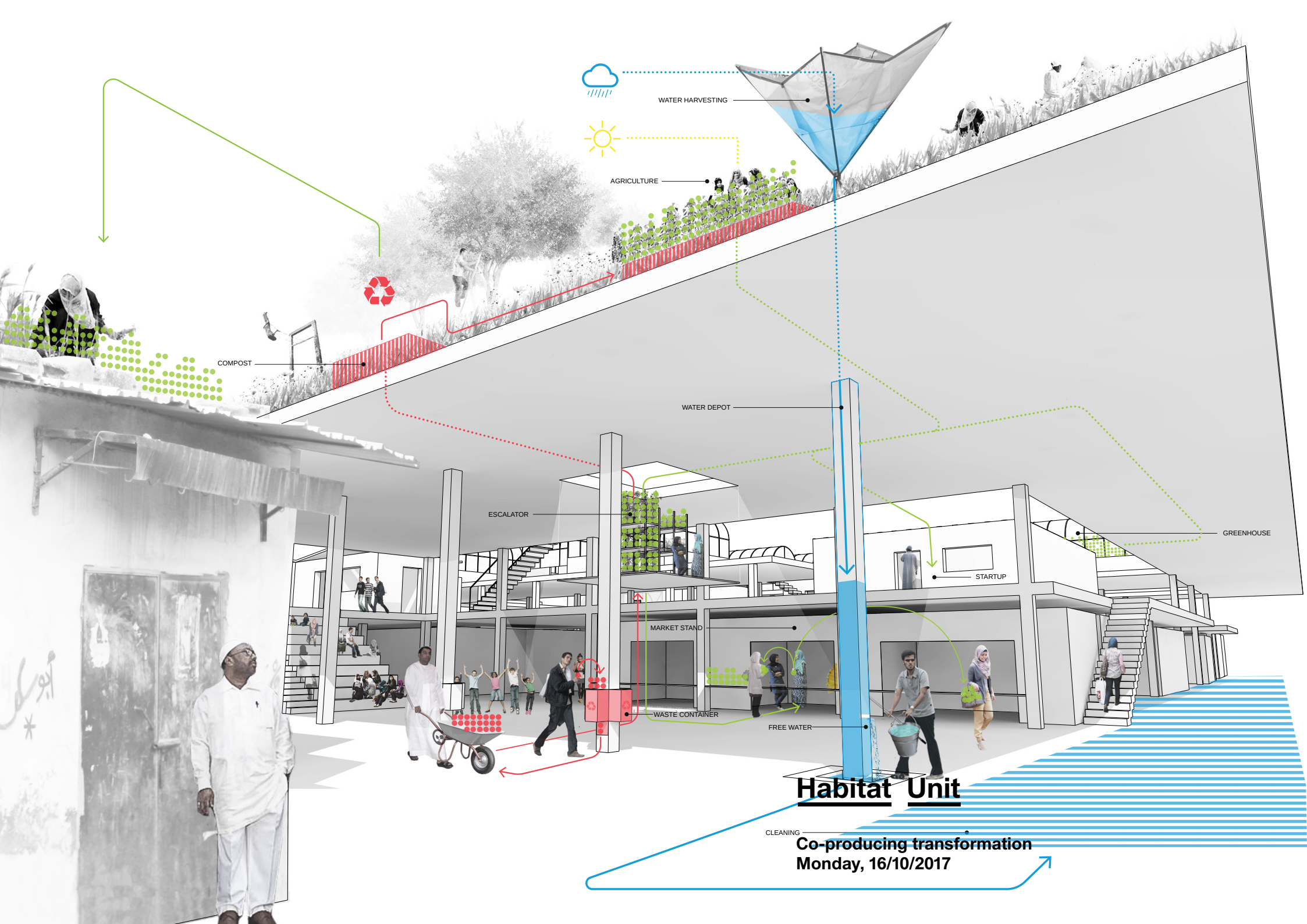
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WATER HARVESTING



AGRICULTURE



COMPOST

WATER DEPOT

ESCALATOR

GREENHOUSE

STARTUP

MARKET STAND

WASTE CONTAINER

FREE WATER

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CLEANING

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