

DARAJA

DEVELOPING RISK AWARENESS
THROUGH JOINT ACTION

31ST OF AUGUST 2018

DAR ES SALAAM, TANZANIA



Our Objectives for the Day

- ▶ Verify together a major challenge
- ▶ Expose ourselves to relevant initiatives and tools
- ▶ Identify who needs to be involved and what we can build on/ reinforce
- ▶ Identify together the value - added of working together

Style & Tone

Informal

Interactive

Inclusive

Purposeful

RESURGENCE URBAN RESILIENCE TRUST

DESIGN. DATA. COMMUNICATION.

Resurgence Urban Resilience Trust

Design. Data. Communication.
For City Climate Resilience.

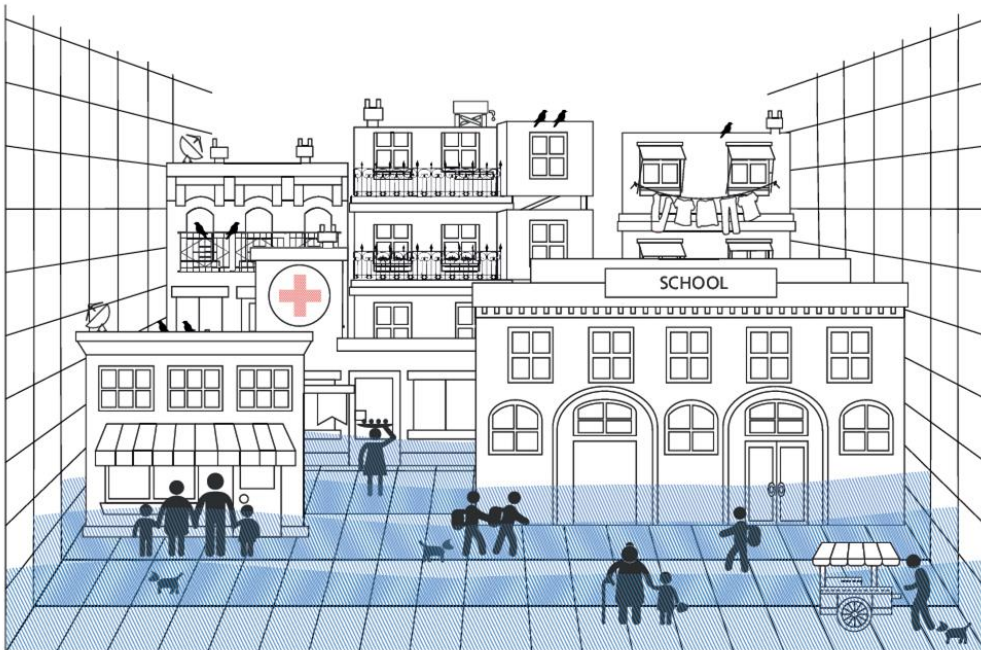
Our Work on Open Data for Resilience



**OPEN DATA
INFRASTRUCTURE
FOR CITY
RESILIENCE
A ROADMAP
SHOWCASE
AND GUIDE**

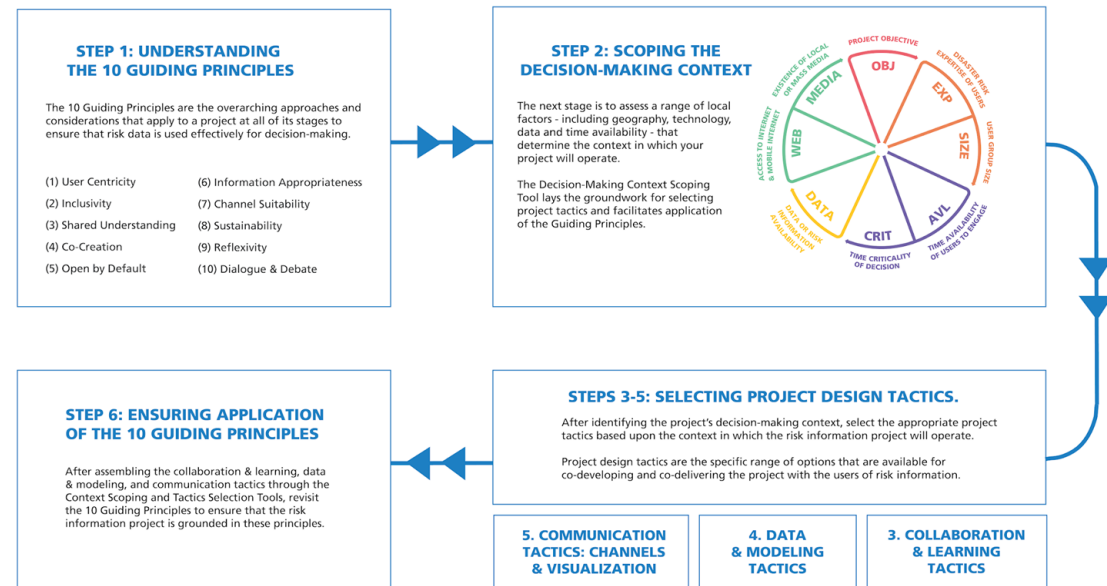
Our Work on Risk Communication

Design for Impact Framework



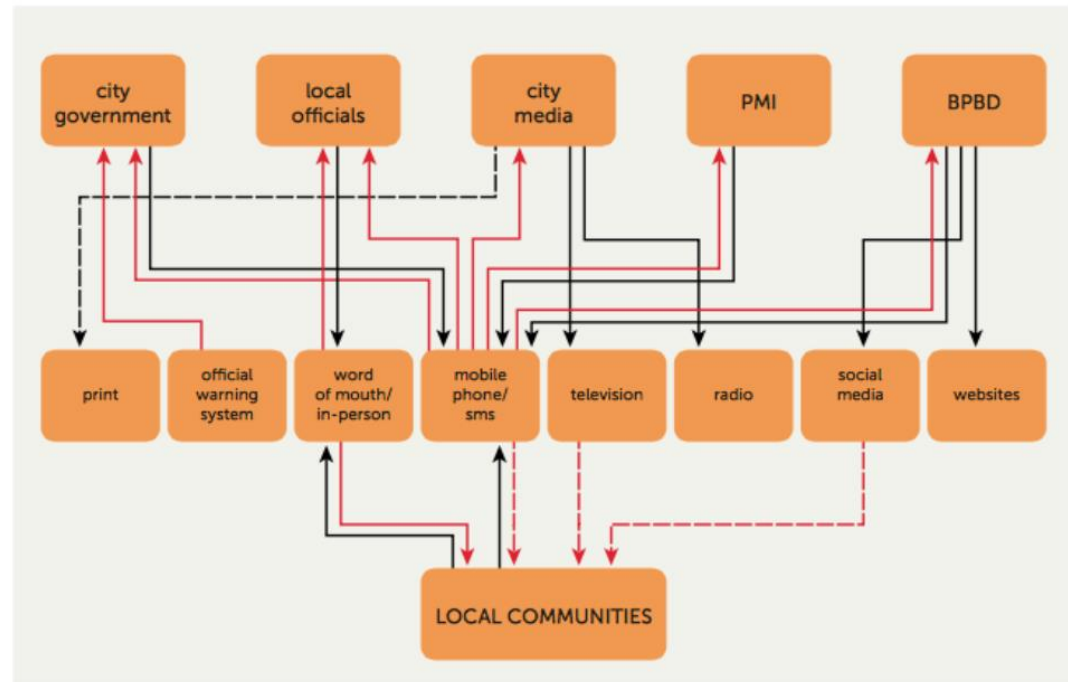
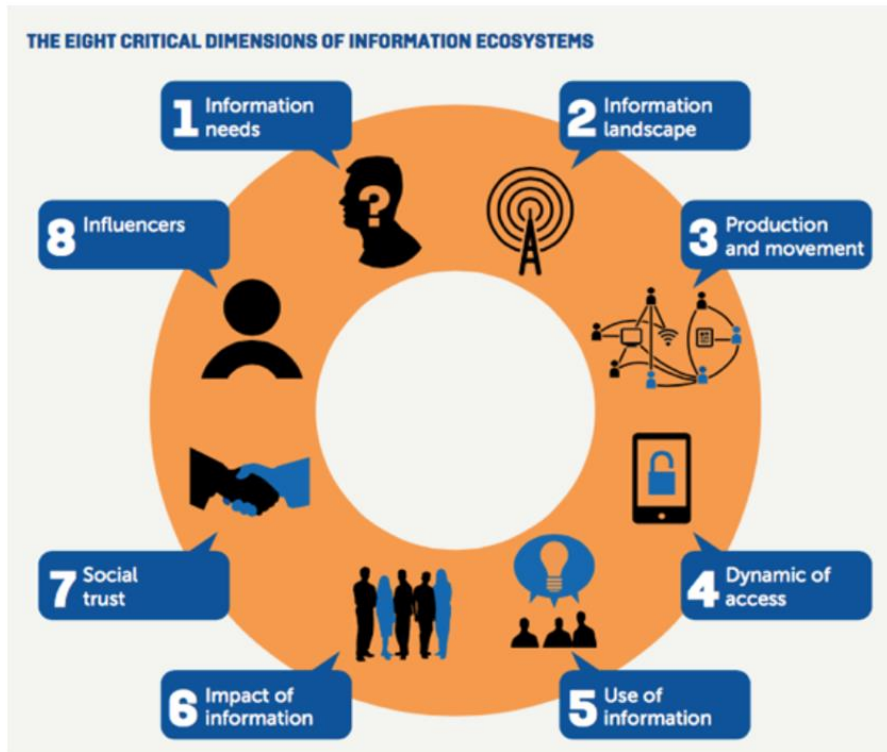
THE DESIGN FOR IMPACT FRAMEWORK

Integrating Open Data and Risk Communication for Decision Making



Our Work on Risk Communication

Information Ecosystems Mapping



CENTRE FOR COMMUNITY INITIATIVES (CCI)

APPROACHES FOR ENHANCING COMMUNITY RESILIENCE

Background

- ▶ Vision of **supporting organisation of the local communities** to address poverty
- ▶ Currently working in Dar-es-Salaam, Morogoro, Dodoma, Mwanza, Arusha, Tanga, Zanzibar and Musoma **urban centres**
- ▶ Have **763 savings groups** with **savings of more than US \$252,535** which are being used as loans for their livelihood
- ▶ CCI works in **partnerships with LGA at different levels** from Mtaa (settlements), Ward, Municipality and central Government, Academic Institutions and a number of private sector organisations
- ▶ CCI supports community with **appropriate and affordable solutions** on water, sanitation, affordable housing, and has been integrating aspects of climate change and resilience

Approaches

- ▶ Community organisation through savings and not only keeping of money
- ▶ Collection of information through settlement profiles and enumerations
- ▶ Transfer of knowledge and capacity building through exchanges visits
- ▶ Develop advocacy committees within each settlements to address issues generated from enumeration and socio-economic surveys
- ▶ Implementation of Precedence Projects which are initiated and managed by community with support from communities and local governments.

Examples of solutions implemented by CCI

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AFFORDABLE HOUSING SOLUTIONS



AFFORDABLE HOUSING SOLUTIONS



Examples of solutions implemented by CCI

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SANITATION SOLUTIONS



SANITATION SOLUTIONS



Examples of solutions implemented by CCI

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SOLID WASTE SOLUTIONS

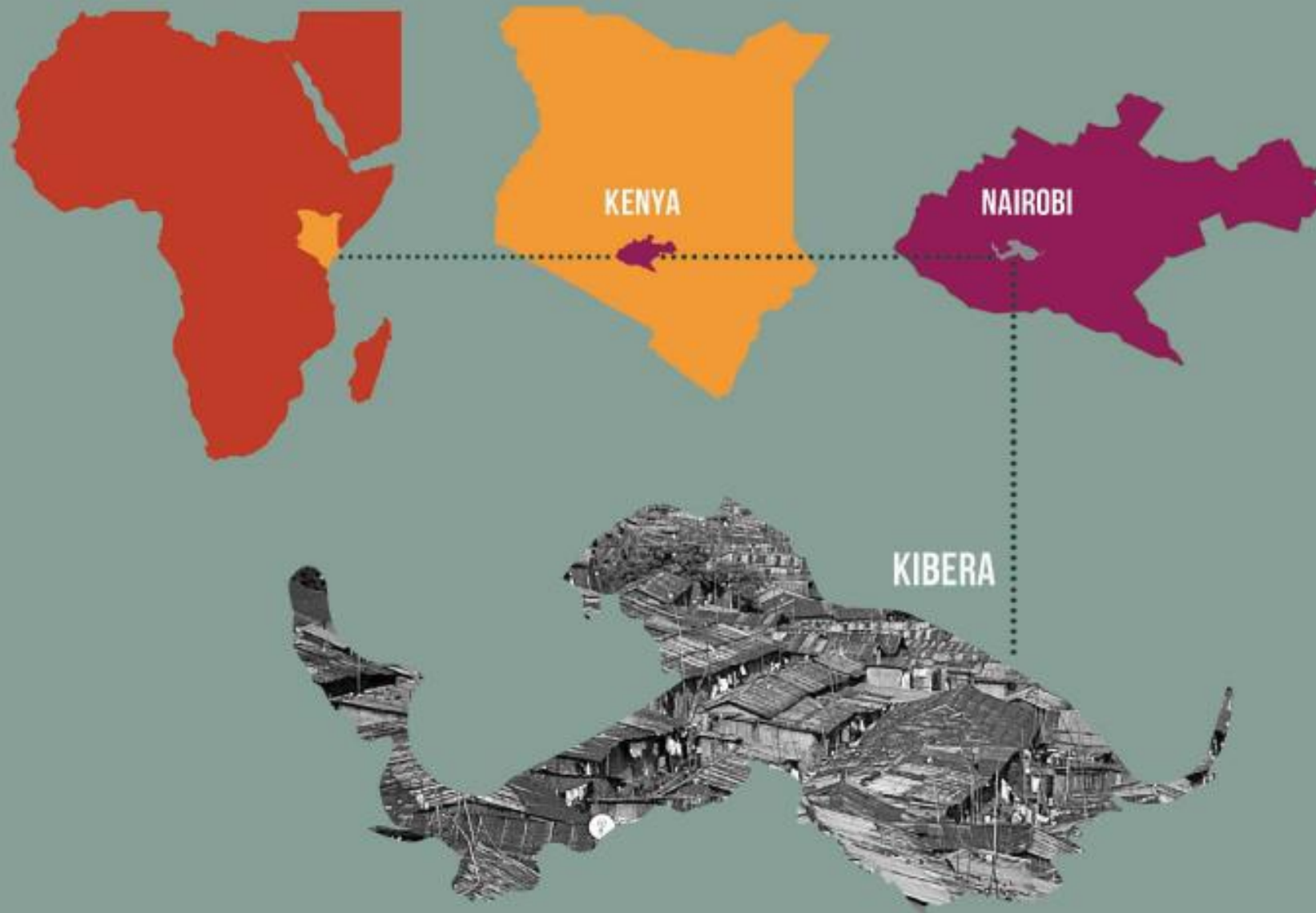


WATER SUPPLY SOLUTIONS



Koukuey Design Initiative





Kounkuey Design Initiative

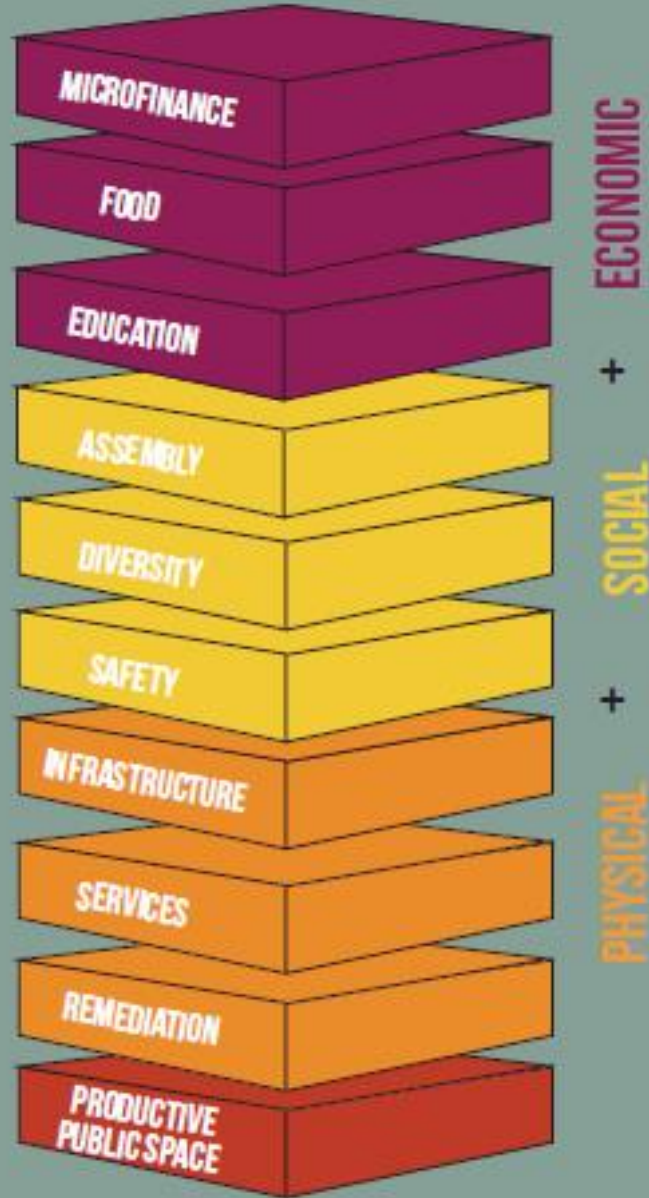
KDI is a non-profit design and community development organisation.

We partner with under-resourced communities to advance equity and activate the unrealised potential in neighbourhoods and cities.

We advance our mission through advocacy, research, planning, and built works.

PRODUCTIVE PUBLIC SPACE :

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SITE 1 - BEFORE



SITE 1 - AFTER

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PHYSICAL

1. Bridge
2. Multi-purpose hall
3. Playground
4. Office
5. Garden+Greenhouse
6. Sundries kiosk
7. Park
8. Access road

SOCIAL

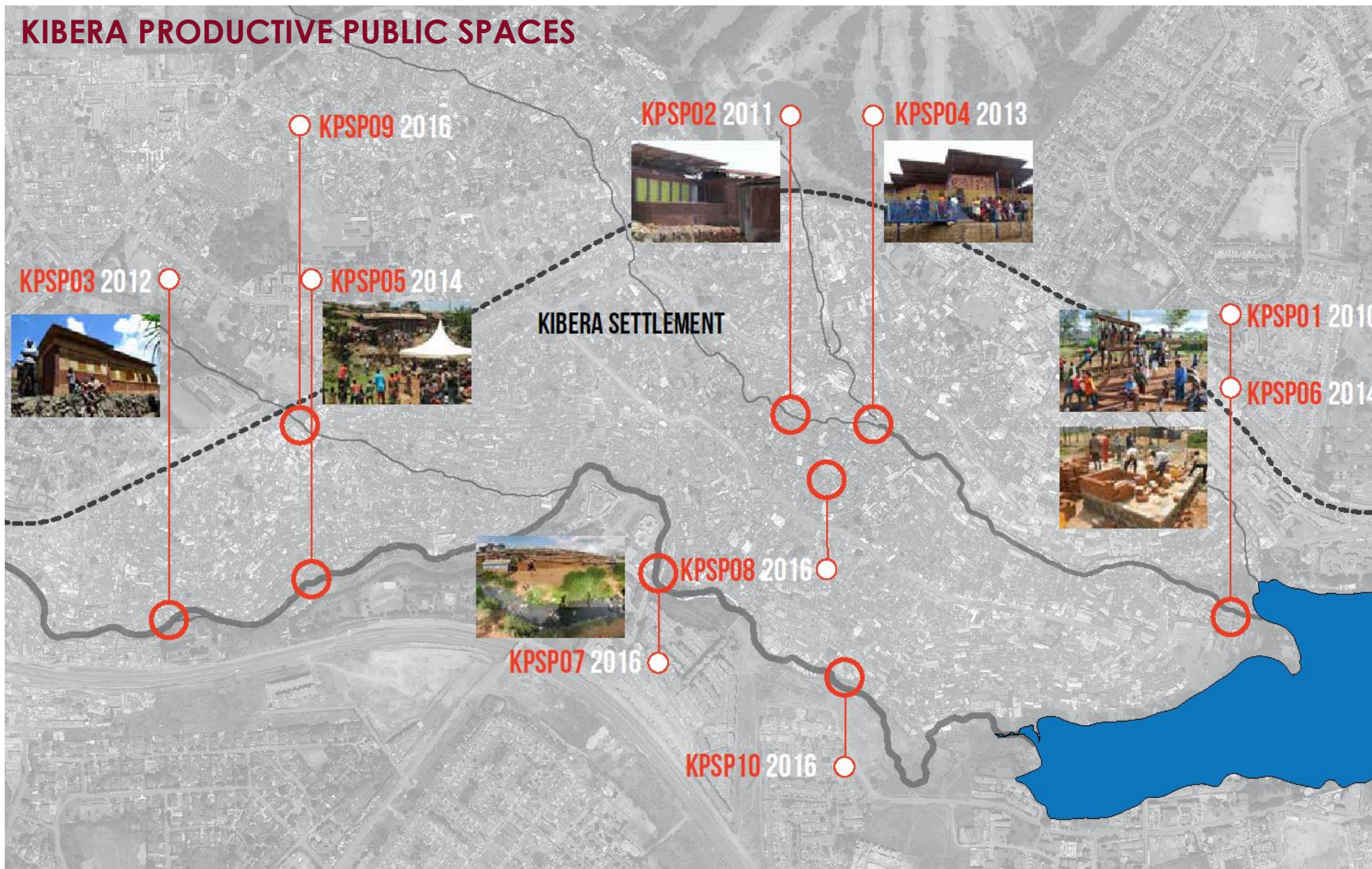
2. Community Programming
- School, Church
4. Management Training
- Skills Training

ECONOMIC

2. Community Hall Rental
- Watertap
4. Savings and Loan Program
- Basket Weaving Cooperative
5. Vegetable Business
- Compost Farm

KIBERA PRODUCTIVE PUBLIC SPACES

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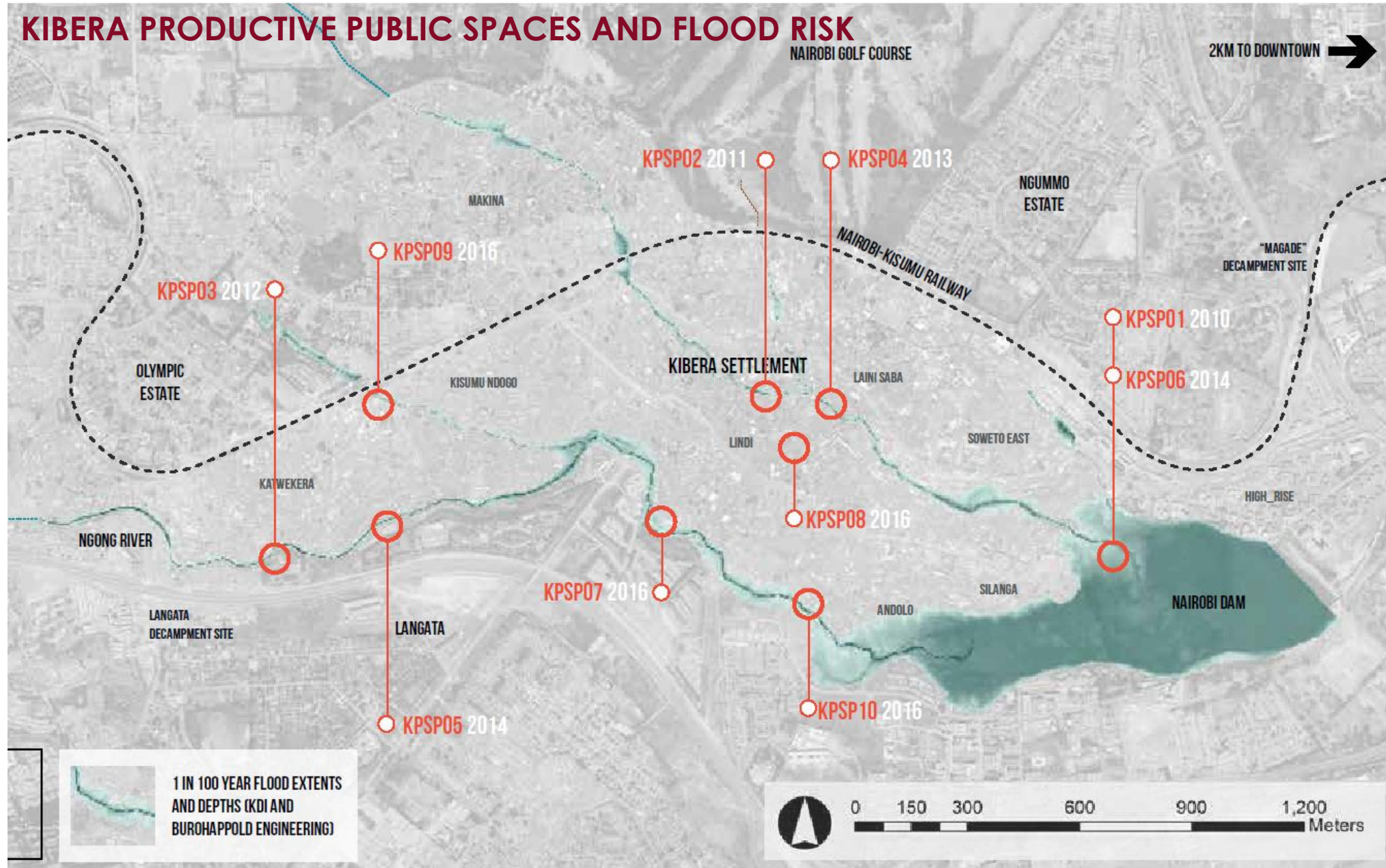
KIBERA PRODUCTIVE PUBLIC SPACES AND FLOOD RISK

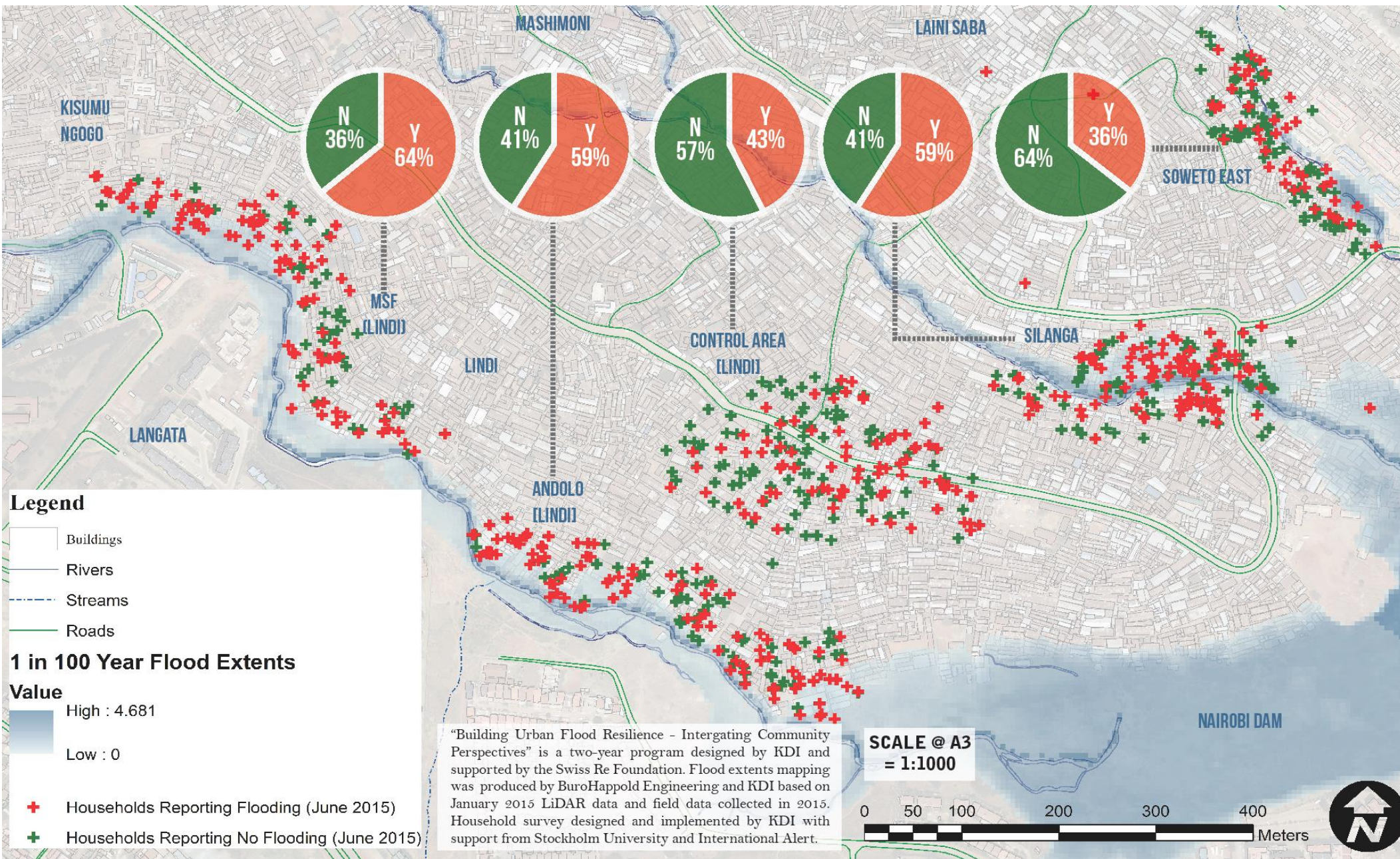
NAIROBI GOLF COURSE

2KM TO DOWNTOWN



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COMMUNITY DRIVEN RISK COMMUNICATION



DARAJA

DEVELOPING RISK AWARENESS THROUGH JOINT ACTION

DARAJA | Our Opening Proposition

- ▶ Residents of informal settlements are in the cross hairs of climate change/extreme weather impacts
- ▶ Climate Risk Information remains inaccessible, inappropriate, unactioned
- ▶ Met Services – in common with others – are struggling to reach most vulnerable/those with formal responsibility for them

DARAJA | Concept and Our Goals

Brokerage and co-design of Weather and Climate Services with Urban Stakeholders

► *With Intention of:*

- Improving access to and enhance use of relevant weather and climate information
- Enabling residents to be more resilient, better prepared, enabled to take adaptive measures
- Enabling city authorities to make better climate/extreme weather informed decisions in relation to informal settlements

DARAJA | Core Approaches

- 1) **User Centricity** – user-centric, context-based, targeted design
- 2) **Inclusivity** – design that meets the decision-making needs of people across social groups
- 3) **Shared Understanding** – between various users of risk information
- 4) **Co-Creation** – with the users of risk information
- 5) **Open by Default** – policy for data sharing, coding and innovation processes
- 6) **Information Appropriateness** – cultural, cognitive and psychological appropriateness of risk information
- 7) **Channel Suitability** – selection of communication channels on the basis of trust, interactivity, scalability and resilience
- 8) **Sustainability** – of risk information initiatives requires a viable business model and support to local capacities and networks
- 9) **Reflexivity** – critical self-reflection and ongoing review
- 10) **Dialogue & Debate** – degree to which it generates dialogue and debate between users of risk information

DARAJA | Key Activities

- 1) Initial scoping and analysis
- 2) Understanding and mapping the **information ecosystems** at city-wide and settlement level
- 3) Deployment of 4 prototype projects (1 at settlement level ; 1 city-wide per city)
- 4) Sharing emerging learning and assessing potential for **scale-up**

DARAJA | Possible Pilot Types

Community / Resident Decision-Making

River Flood Early
Warning (EW) Systems

Flash Flood EW Systems

Peer-to -Peer Preparedness/
Adaptation Campaigns

City Authority Decision-Making

Dynamic Flood Hazard Maps

Utility and Infrastructure Chain
Failure

Mapping / Management
Platforms



Initiatives that support both sets of groups

External Real World Pilots

Community

AMRAI PARI

City Authority +

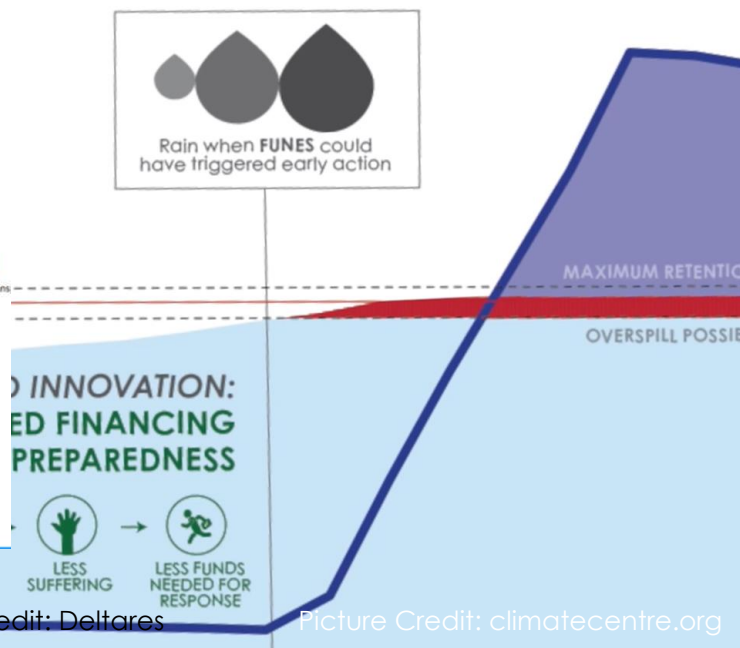
Hazur

Community + City Authority

FUNES



Picture Credit: BBC Media Action



Picture Credit: Deltares

Picture Credit: climatecentre.org

DARAJA | Constraints and Opportunities

Constraints

- ▶ Modest budget
- ▶ Timeline versus process
- ▶ Small organisations
- ▶ Stakeholders working at full capacity

Opportunities

- ▶ Strong international networks
- ▶ Support from WISER team
- ▶ Advice/ leverage/ brain trust of participants today

