

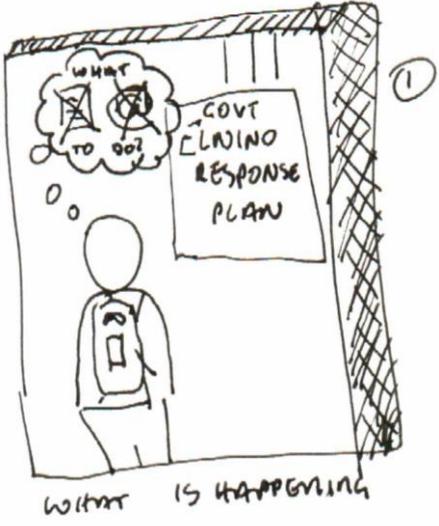
OpenIDEO User Perspective Mapping

Describe idea with one concise sentence: Kibera resident collect drainage data to inform design and development of Nairobi City County's flood risk reduction program

Name: Simon

Age: 30

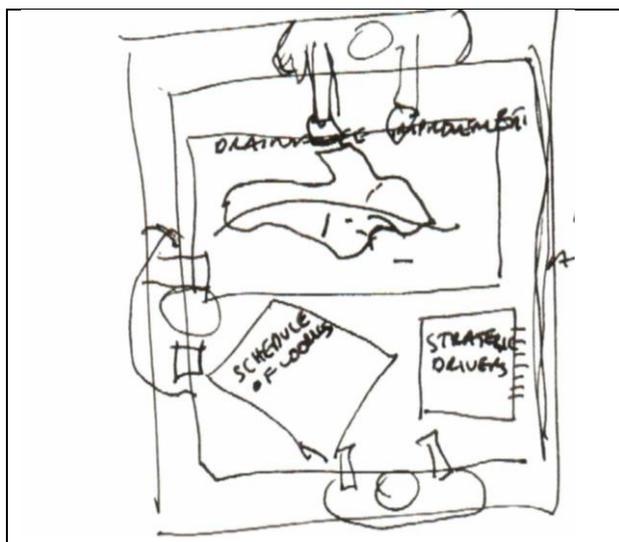
Profession: Kibera County Representative

 <p>WHAT IS HAPPENING</p>	<p>Describe what is happening</p> <p>In response to the developing El Nino weather events, Nairobi City County have begun to mobilise resources and personnel to undertake drainage clearance and improvement activities throughout Nairobi. The county executive committee are looking to Kibera county representative to inform them on the drainage hotspots within their wards based on their local knowledge of the area and to develop a prioritised and informed plan of action. Although Simon is aware of many of the complex issues on the ground he has limited paper and digital information to be able to make these decisions and how to develop solutions that meet the specific needs of the community.</p>
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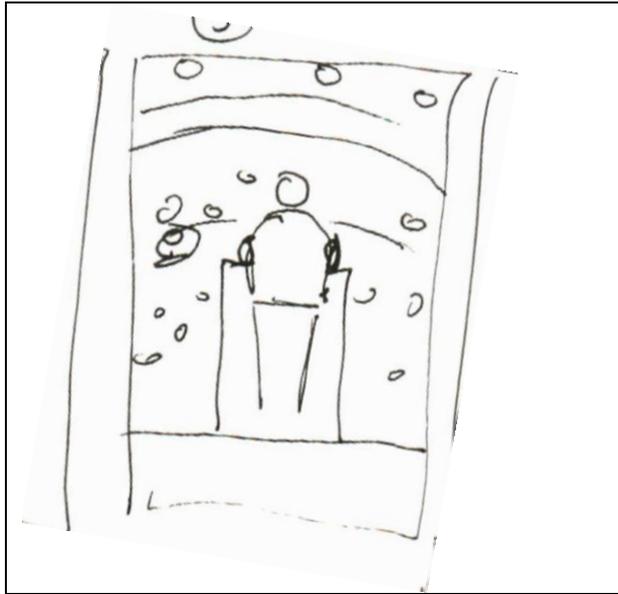
 <p>DATA COLLECTION</p>	<p>Data Collection Methodology</p> <p>Simon meets with KDI personnel who have the knowledge and prior experience of how to successfully train local Kibera residents to implement large scale data collection exercises. He is stepped through the drainage mapping data collection process which uses a simple questionnaire to collect attribute information and geo-tagged photos of Kibera's drainage channels that can be loaded to android phones for delivery of the survey.</p>
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Community Partner Selection and Training
 Simon selects a small number of local residents known to be responsible and with adequate literacy skills to be trained in the drainage mapping methodology. He ensures that selected personnel have the local knowledge of the network and so that they can interact with residents to find out which areas are the worst affected.



Prioritisation of areas requiring interventions
 Using the data collected from the mapping exercise Simon with support from his county engineers can begin to develop a picture of the current state of local drainage system and form the links between the wider issues of drainage, solid waste, water and sanitation. Using a matrix based evaluation tools he can develop a drainage improvement and maintenance schedule of works that considers both operational drivers (where drainage infrastructure is most fragile) and strategic drivers (where the greatest number of people will benefit).



Advocacy

Armed with a prioritised schedule of works and in-depth and timely knowledge of the work required on the ground, Simon can report back to the county assemblies on the feasibility, resourcing and cost to implement this work. This information can be used by the county executive assembly and national government to inform the wider Nairobi roads, drainage and flooding mandate so that priority projects and funding can be allocated for the upcoming year.



Design Development

Simon oversees that this information gathered on the ground can be used by county engineers to develop a package of design solutions that addresses the issues and challenges raised by communities in the drainage mapping process. This design process will go hand in hand with close community consultation and community led planning.

Partnerships

As projects begin to emerge of the ground, Simon can seek out opportunities for how to deliver these projects using collaborative community partnerships frameworks which empower communities to take ownership of the ongoing maintenance of their local drainage channel network.