Overview

Water insecurity in Sub-Saharan Africa

- Water crises in the *Top 5 Global Risks*, ranking beside weapons of mass destruction.

- 58% of people in SSA have access to **basic** water supply (GIZ, 2017), while only 10% have access to **clean** water (Santos et al, 2017).

- By 2050 only 56% of urban dwellers are projected to have access to piped water; lower than levels in 2003 (GIZ, 2017).

- Investment & PPPs: Since 2001, virtually 0 public-private partnerships for water have come to completion (Bailey, 2009)
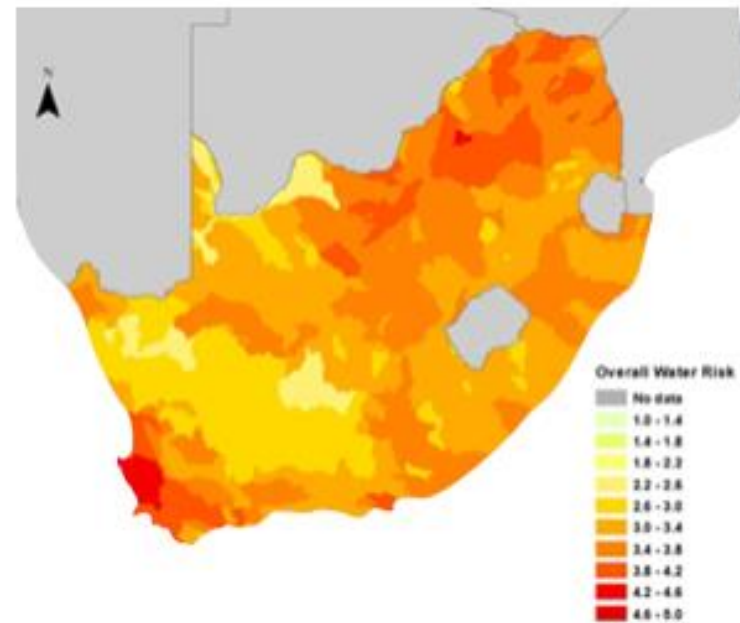
Overview

Water insecurity in South Africa

- Water crises in the *Top 5 Global Risks*, ranking beside weapons of mass destruction.

- 58% of people in SSA have access to **basic** water supply (GIZ, 2017), while only 10% have access to **clean** water (Santos et al, 2017).

- By 2050 only 56% of urban dwellers are projected to have access to piped water; lower than levels in 2003 (GIZ, 2017).

- Investment & PPPs: Since 2001, virtually 0 public-private partnerships for water have come to completion (Bailey, 2009)

Benefits

Program benefits.

The creation of a grassroots, bottom-up ecosystem that connects local communities to the protection of their most essential resource. Build stakeholdership and empowerment opportunities for people who have tailored ideas for their own experienced challenges, and include them in collaborative entrepreneurship. Through this, municipal shortsightedness and groupthink will be eliminated from resource management, and an entirely new cohort of visionaries can be brought into dialogue.

Program Structure

Outline of key events: workshops, hackathons

Water and Humanity Project (Pilot)

- Collaboration with 5 primary schools: 2x township, 2x private, one wildcard

- Competition-style finals to be carried out, where one winner from each primary school will present

- Partners: Department of Water and Sanitation, Nelson Mandela Foundation, African Leadership Academy (venue)

- Presence of sustainability incubator who will forward a project with our partners. Winning team will be included in project implementation if successful.

Photo taken at Water and Humanity conference launch, 13 November, 2019

Program Structure

Workshops with Water and Humanity

- 90 minute workshops with school pupils usually aged 8-12 (this is flexible)

- Begin with presentation by organisers about water, make it relevant to the community and informative

- Positive interviewing: ask students stimulating questions: how do you use water? Where do you access it? How is water used by your community?

- Transition into problem identification: ask students what are some problems they know about water? Remind them of the opening presentations.

- Ask students what we should do about these problems. Who can help us to achieve this?

Activity

- Split students into small teams and brief them. We have papers, drawing boards, pens, markers etc. and we need you to illustrate your team's solution.

- Vote for a team leader who will be responsible that you complete the task.

- Monitors from organising team bounce from student team to the next, sharing ideas, probing them to think further. Ask what problem they are solving, and encourage as much creativity as possible. There is no limit.

- Each team come to the front and share their solution with the group.

- Judges from organising team selects a winning presentation

Project Timeline

Scheduling of key milestones and opportunities

June 8th — August 14th 2020

- Finals venue confirmation deadline — June 26th

- Schools confirmation deadline — June 26th

- Partners confirmation deadline — July 3rd

- Workshops tour July 6th - July 10th

- Finals July 24th

- Findings & Results presentation at Oman summit

Expansion Phases

Project growth planning with key partnership objectives

Pilot ⟶ Phase II ⟶ Phase III

- **Pilot program** completion at Oman summit. Evaluation documents and adjustments to operational model will be included as Phase II launches.

- **Phase II** focuses on program replication, including clusters of schools according to locations within Gauteng. We aim to repeat workshops for up to 50 schools by June of 2021, requiring 10 cluster rounds with 5 schools each. Program successes will be shared through Vertex Ecosystem and Water & Humanity media platforms, keeping constant parter engagement to identify opportunities. Finals to be held every 2 months with a maximum of 12 finalist teams presenting.

  ← replicate

- **Phase III** focuses on automating the process, allowing regional institutions to use Water and Humanity toolkits to hold their own workshops in Gauteng in 2021. Core Vertex Ecosystem team will take the program to Eastern & Western Capes, starting immediately with Phase II structuring.

  ← automate

- Note: presentations at finals will continuously seek innovations and it is our job to engender cooperation between selected solutions and existing (or ongoing) projects from previous finalists. The aim is to create a Water and Humanity board inclusive of winning finalists, who together examine the progress of selected solutions, identify synergies, work with our partners, and adopt an agenda that includes ambassadorships, conference participations, and official Water and Humanity engagements.

  ← officiate