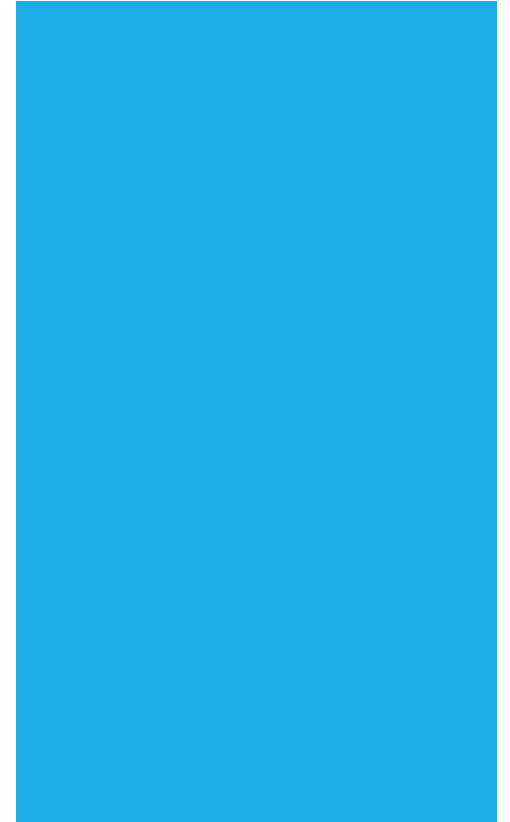# ZimNode Report

Reported by Simbarashe Nhokovedzo

- Congratulate us , we got our first ever funded research project!!

- Our local funders are Postal and Telecommunications Regulatory Authority of Zimbabwe (POTRAZ) and Research Council Zimbabwe (RCZ).

1ST FUNDED PROJECT

A foresight approach in designing a futuristic mobile application using Internet of Things (IOT). A Case of WASH Local Authorities in Zimbabwe

PRPJECT BACKGROUND

Most urban areas in Southern African countries are facing uncertain water futures due to climate change and rapid urbanisation (**Global Challenge 2)**

Here are some Litany stories on current WASH situation

Zimbabwe's Water Crisis: Boreholes will cause more harm than good https://bulawayo24.com/index-id-opinion-sc-columnist-byo-245944.html

Health time bomb as Harare runs dry https://www.herald.co.zw/health-time-bomb-as-harare-runs-dry/

El nino induced drought: Women and girls bear the brunt of water shortages https://www.herald.co.zw/el-nino-induced-drought-women-girls-bear-brunt-of-water-shortages/

METHODS AND TECHNIQUES

- Workshops (Scenarios and CLA)

- Backcasting with DAPP

- Micro-data centers in sampled local councils for Mathematical modelling

EXPECTED RESEARCH OUTPUT & OUTCOMES

A dashboard for tracking WASH elements in the present

Dashboard with Machine learning algorithms to predict water futures relying on historical data real time sensors

Long range on WASH issues by local authorities

Tatenda

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