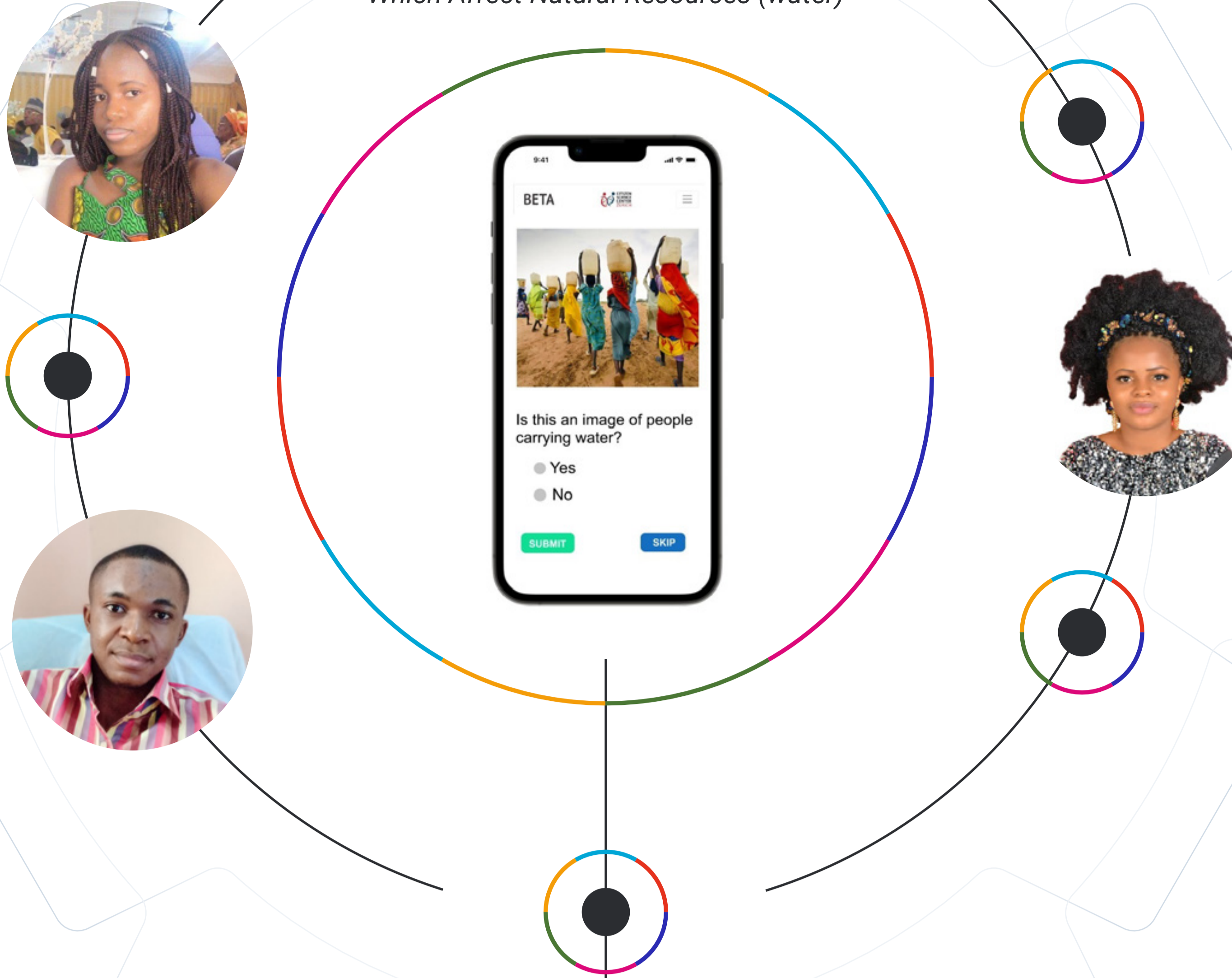




Assessing Women's Vulnerability During Drought Caused By Climate Change, Which Affect Natural Resources (water)



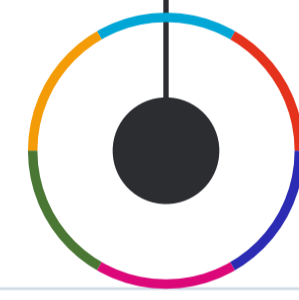
Objective of the project

DonateWater project aimed at providing potable water all year round for target rural communities in Nigeria faced with the challenge of accessing potable water.



Problem addressed

According to a survey by Federal office of statistics Nigeria 61% of rural dwellers do not have access to potable water. Over 70% of households in rural communities rely solely on self-water supply (free source) such as rivers, perennial streams, water ponds and unprotected wells which are not clean and are dried up during dry seasons. Women and children suffer the most effect due to socio-cultural settings and norms. These women are forced to rise up early every day, going in search of water, they sometimes walk several miles to locate a natural source of water. At the same time they are exposed to other risks of molestation, kidnappings, ethnic and territorial frictions. Most of the time they are forced to dig the rivers just to get some water not minding if it's clean or not. And these has exposed the people to water-borne diseases. Children go late to school or miss classes because they also assist their mothers in fetching water. There are existing water facilities in some of these rural communities that are broken and abandoned, and the people still had to go back to fetching water from local source.



Solution proposed

We are proposing a simple climate-responsive solution to combat the identified problem; Solar Powered Pumps. This solution is cost effective, easy to install and maintain, and it will make water available all year round especially during the dry seasons. We will also be able to convert some of the broken hand-pumps into solar powered pumps. The facilities will have sensors which will detect fault and alert stakeholders.



Expected impacts

The impact will be felt mostly on women and children because they will no longer travel far in search of water which will reduce their vulnerability to danger, children will not miss classes or will go to school early, agricultural activities will improve, the people will not be exposed to water-borne diseases.



Current state of development and What is the project looking for?

We are in the data collection phase of the project. We have set up our project on the Citizen Science project builder and about to publish. We have also begun social media campaign, creating awareness and seeking for volunteers to participate with our project on the CS project builder. We have also spoken with potential partners from India and a few have agreed to work with us.

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