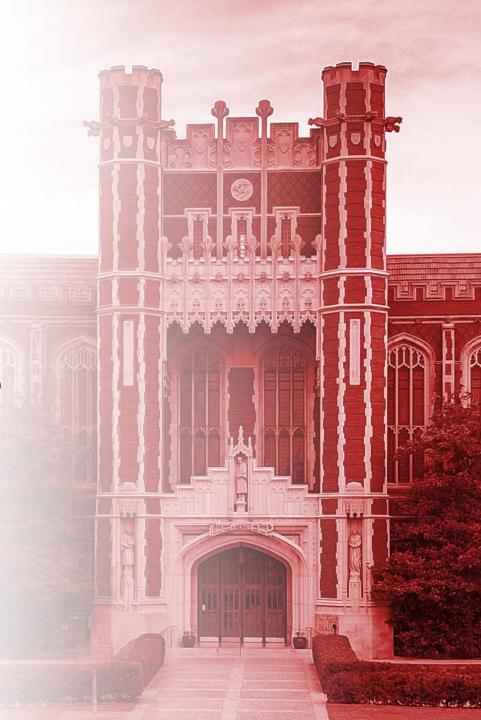




PIRE ePing project update

Date: 05/16/2022

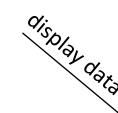




ePING project updates from OU

- Progress to date:
 - 1. Mobile app developed for collecting hydrometeorological data by citizen scientists
 - 2. Purchasing five cell phones and sent to Ethiopia (Dr. Seifu Admassu Tilahun Bahir, Bahir Dar University)
 - 3. Interactive web interface display data in the cloud
 - 4. provided training via virtual meetings









Android mobile app

Step 1: log in with credentials

Step 2: Type in recorded data

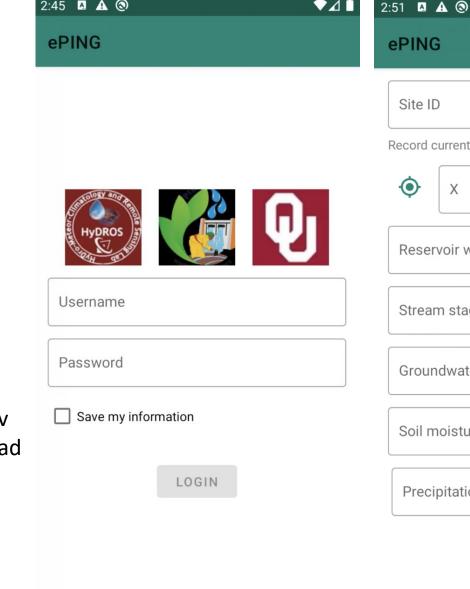
Upload success!

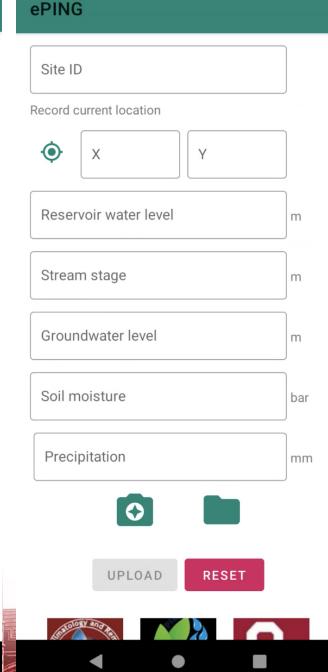
Step 3: upload to the cloud

Without Apps saved as csv file and will upload when it has network

Five cell phones have been sent to Ethiopia Dr. Seifu Admassu Tilahun Bahir, Bahir Dar University







Next Step Plans

 Provide virtual training to local citizens scientists to help them properly collect, upload, and visualize data

Travel there and provide further training

Visualize and Analyze the collected data

Interactive web interface in Cloud

https://eping.herokuapp.com/















USER GUIDE

Download Data Survey

PIRE Project

e-PING Application Dashboard --- 1.2.2.200625 beta

e-PING Application is a smart phone Apps to collect hydro-meteorological observations data such as precipitation, surface water info, groundwater level, river stages and soil moisture from Blue Nile Basin in Ethiopia

Project Summary

The UCONN PIRE project in collaboration with the University of Oklahoma and University of Wisconsin establishes an international research and education partnership to promote a political-institutional model of science that links sociological and engineering methods in a people-centered approach to the human-climate-water-agriculture-energy nexus in the Blue Nile basin (BNB), Ethiopia. The project is a multi-year collaborative endeavor that will run from 2016 to 2021. By the end of the project, the research team will have crafted state-of-the-art tools to help smallholder farmers make practical decisions about water, crops, and fertilizers and ultimately gain more secure access to food and water in the face of increasingly challenging climatic xtremes. We promote a political-institutional model of science that links sociological and engineering methods for a people-centered approach. Our political-institutional approach integrates graduate and undergraduate education, professional training, and community outreach into the research program to develop the human capital and social connections between all stakeholders—scientists, farmers, policymakers and students in the United States and in Ethiopia. The project achieves its objectives through provision of superior quality seasonal forecast information at a scale relevant to local farmers and water resource managers.

Watersheds:

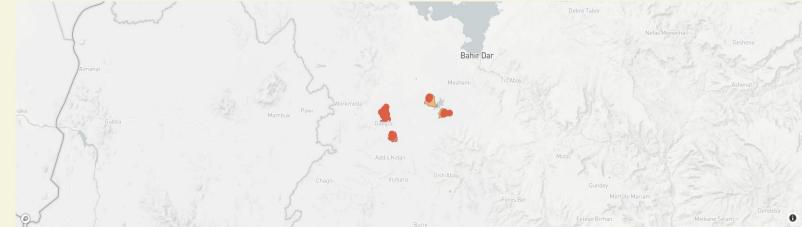
OBranti Watershed OKoga Watershed OMarkudi Watershed OQuashni Watershed

Features Selection:

- Q:soil_moisture_percent
- Q:soil moisture kohm
- Q:stream_gage_m
- Q:groundwater_level
- K:soil_moisture_percent
- K:soil_moisture_kohm K:groundwater_level
- B:soil_moisture_kohm
- B:soil_moisture_percent
- B:stream_gage_m
- B:groundwater_level
- M:soil_moisture_percent
- M:soil_moisture_kohm
- M:stream_gage_m
- M:groundwater_level

Multi-Select SITID Dropdown

All Sites Location Map



Interactive web interface (quick Demo)

https://eping.herokuapp.com/

