Weather Station for our Friends in Africa

Current partners: Uganda, Benin, Ghana

Idea

We build our own data loggers based on ESP32. Data transmission is done via Wifi, Cellular Network or LoRaWAN.

Sensors

An initial set of sensors:

Tipping Bucket Rain Gauge



UICPAL Sensors

Data Sheet: rs-yl-n01-5.pdf

Wind Velocity (Anemometer)



UICPAL Sensors

Data Sheet: pr-3000-fsjt-n01.pdf

Wind Direction



UICPAL Sensors

Data Sheet: pr-3000-fxjt-n01.pdf

Air Temperature

- PT100 (best)
- DS18B20

Air Humidity

Air Pressure

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Last update: **2024/04/11 14:51**