ITU TELECOM WORLD '19

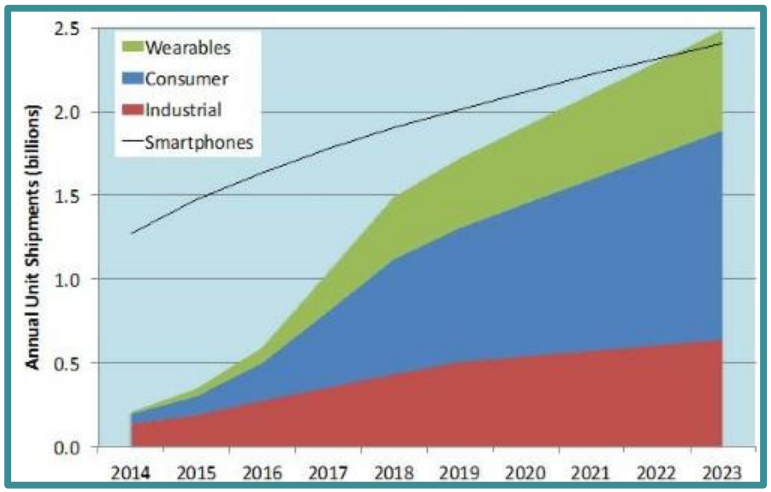
Budapest 9–12 September

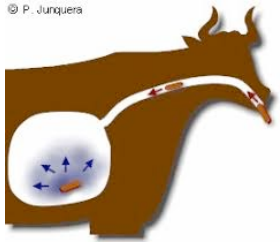
Low Cost Open IoT in Africa and Capacity Building with WAZIUP/WAZIHUB

ITU SmartABC Pavilion

WAZIUP WAZIHUB

Smart IoT devices





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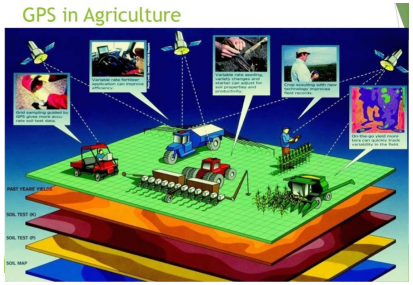
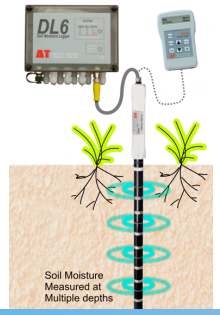
http://www.univ-pau.fr/~cpham

BUT most of existing system are not adapted for small holders!





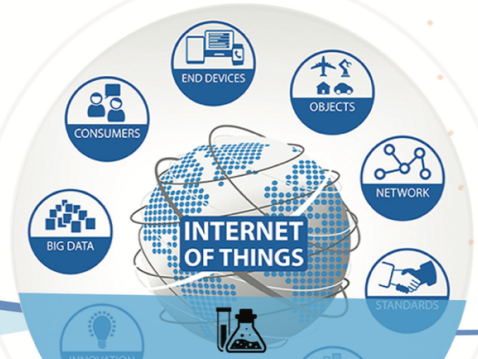
Needs, cost, design approach, constraints & control mechanisms

Challenge: Bridging the digital divide

WAZIUP Open IoT and Big data platform for Africans, by Africans

Feb2016-Jan2019

HORIZON 2020



DO MORE with LESS

www.waziup.eu

Waziup IoT

Waziup IoT

Waziup

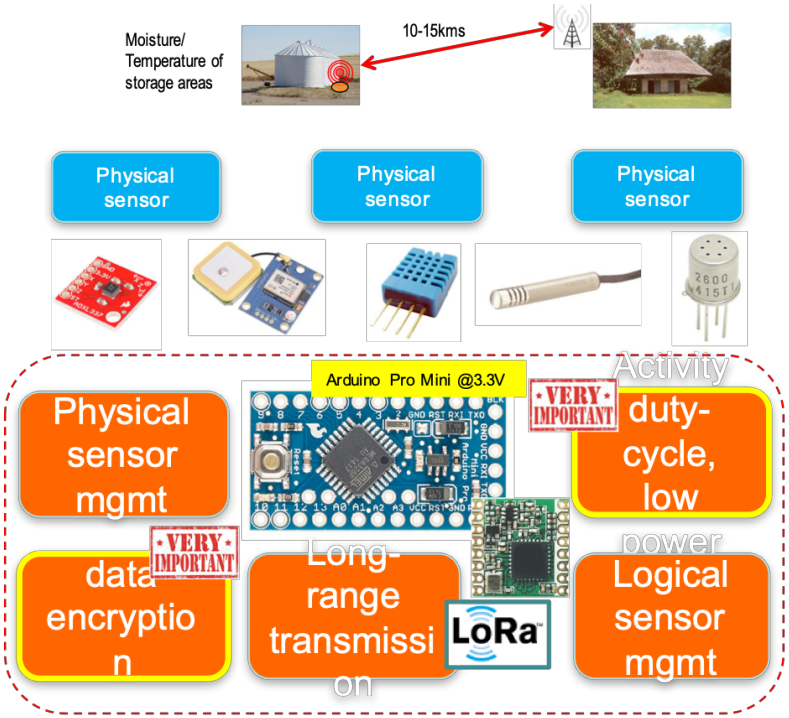
Waziup

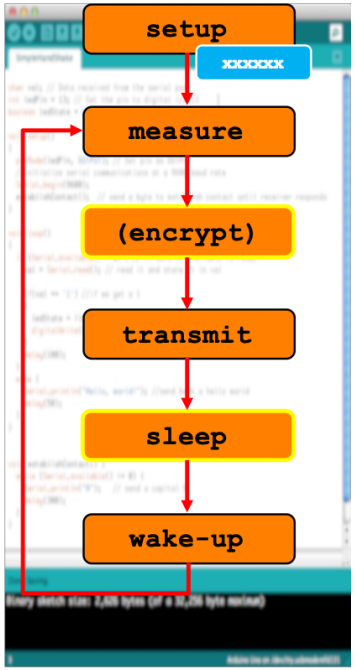
CREATE-NET CTIC Farmerline iSpace coders afrika INNOTEC

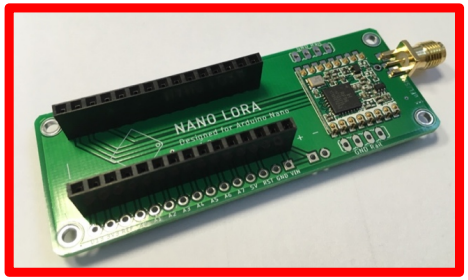
waziup.community@create-net.org

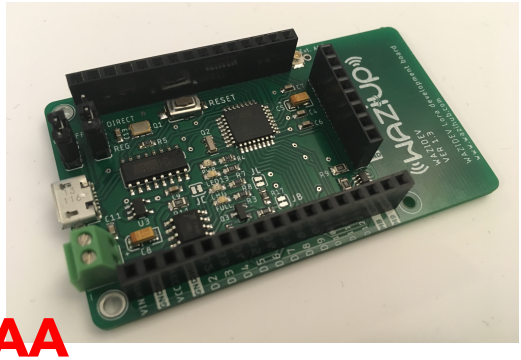
Open-source, generic IoT

- Complete open-source, generic IoT framework to reduce both hardware cost and development time



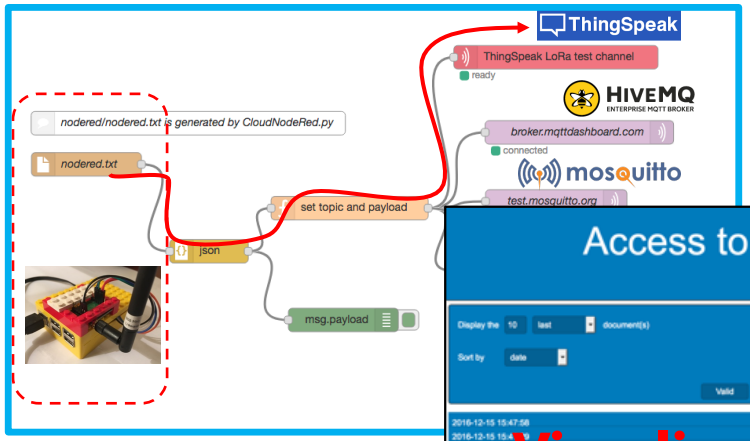




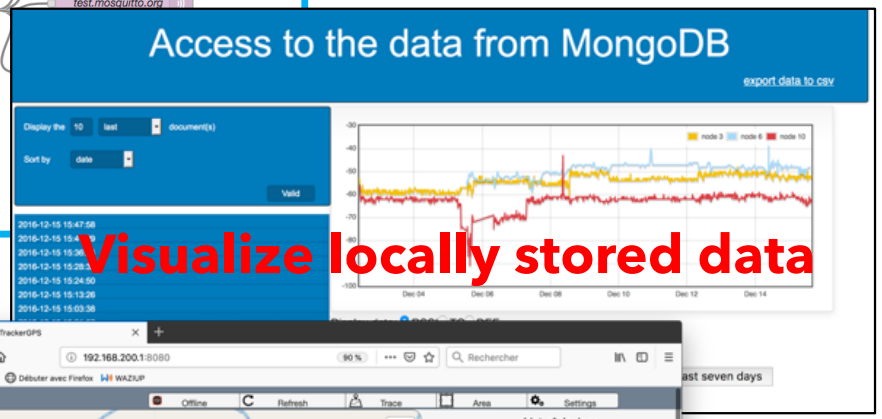


2-3 years autonomy on 2xAA

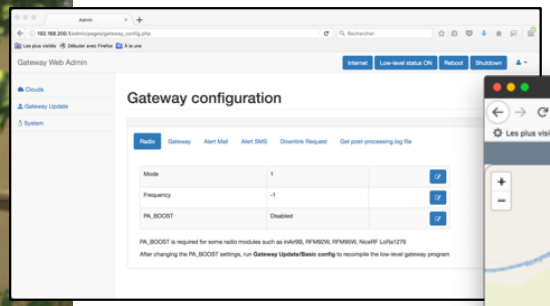
Open, versatile IoT gateway

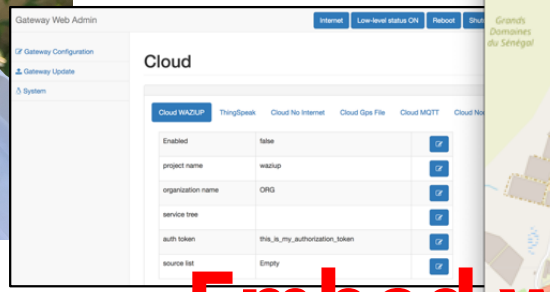


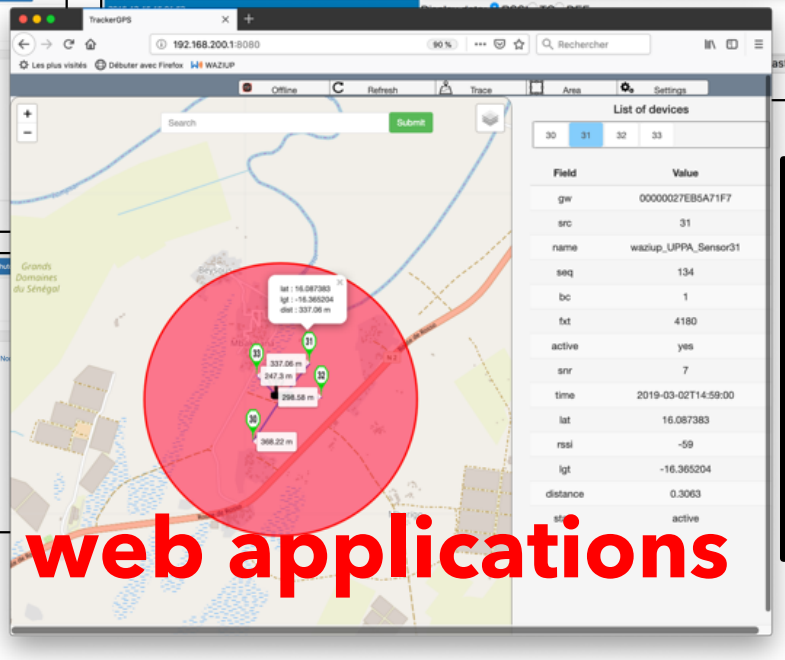
THE THINGS NETWORK

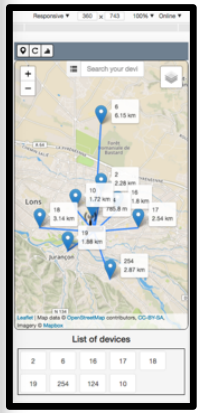


Visualize locally stored data









Embed web applications

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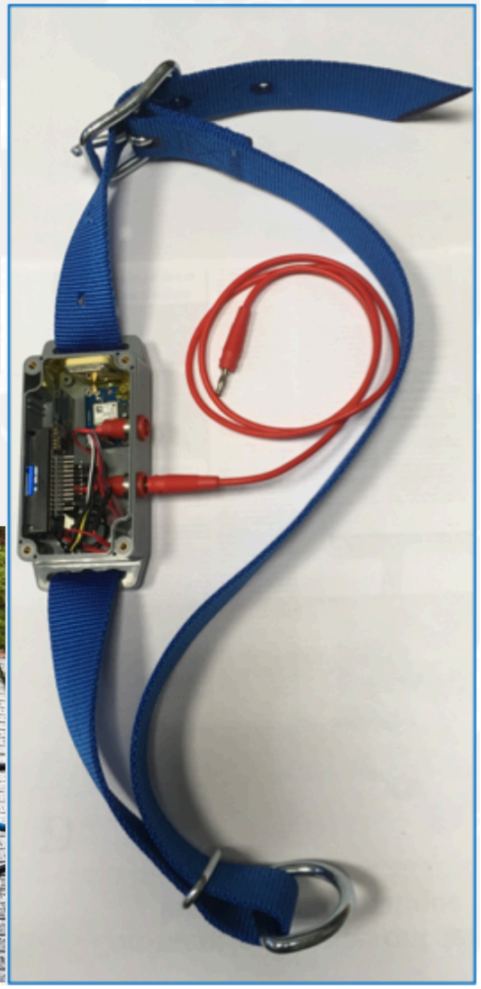
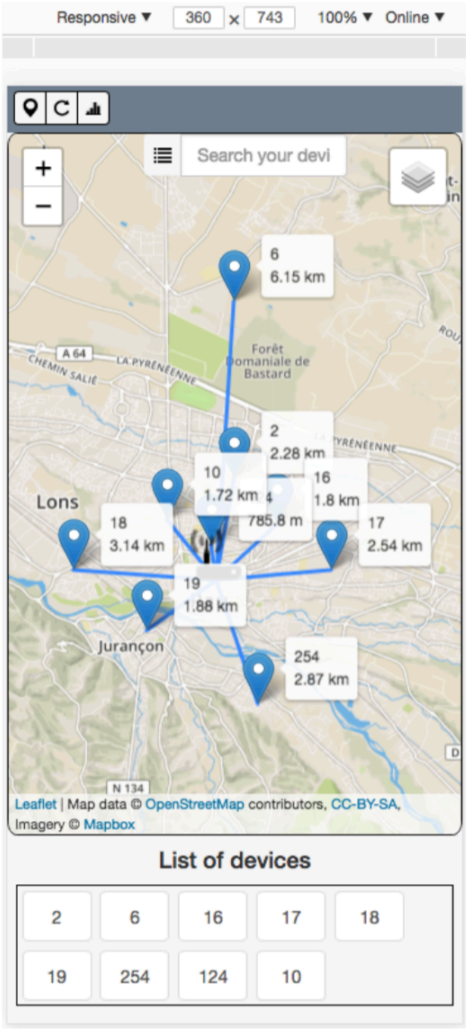
Soil moisture solutions

Fish farming solutions

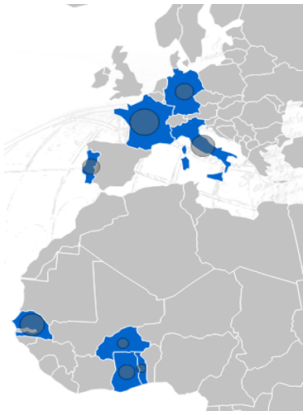
Cattle rusting and location monitoring



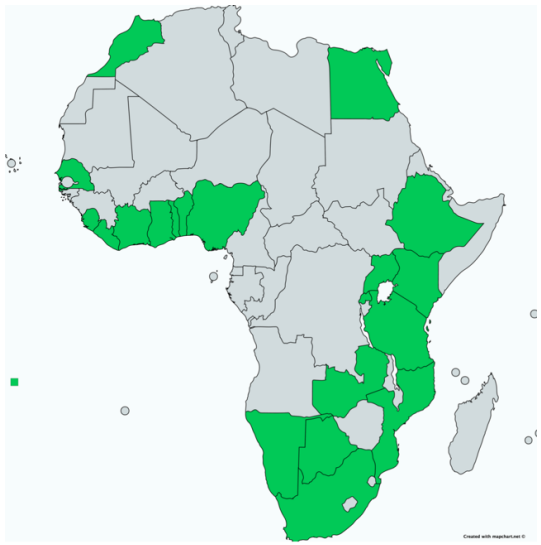


Scaling up!

Feb 2016 - 2019



May 2018 - 2021



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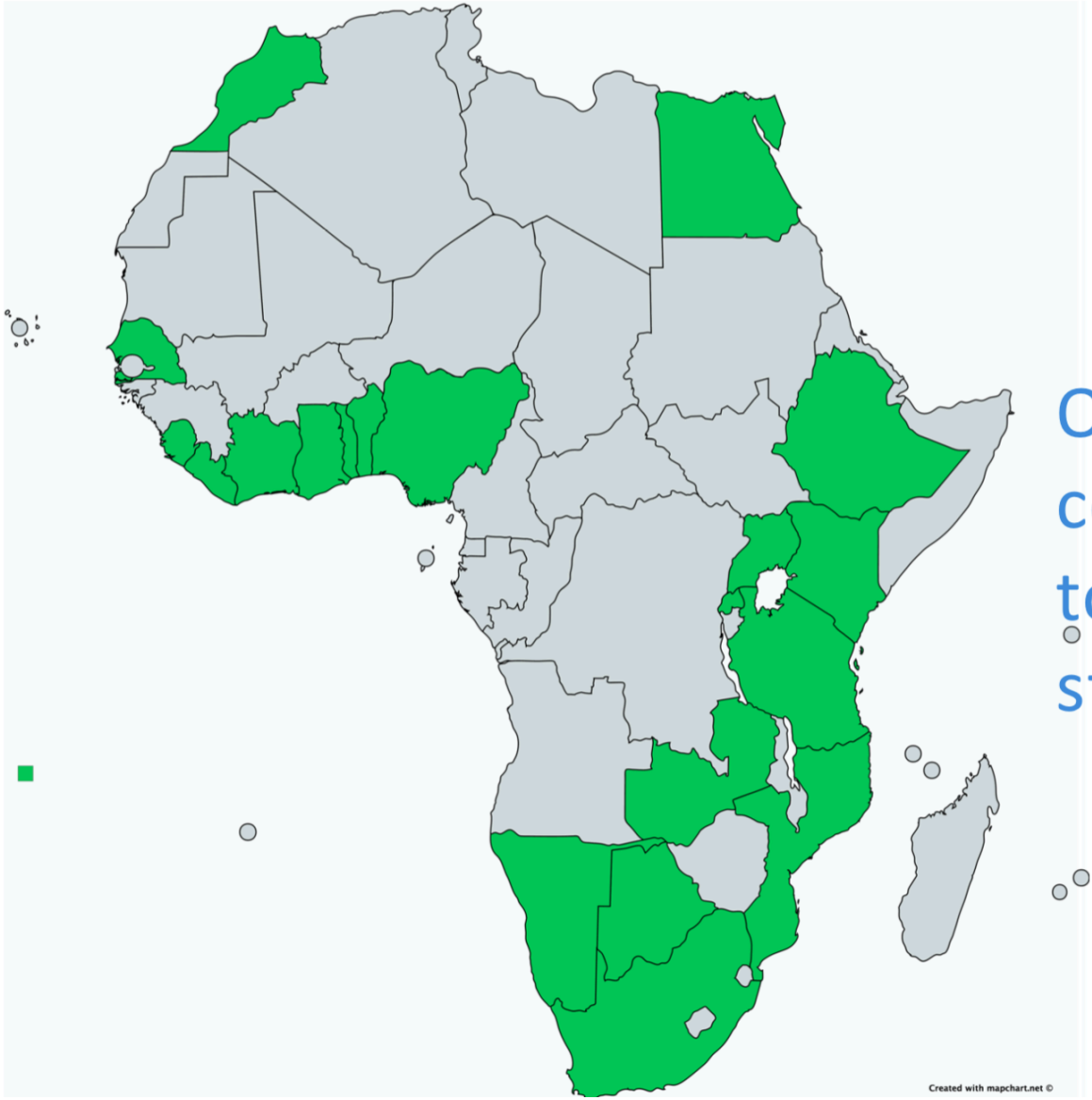
Pan African IoT Innovation hub



Outreach 20 countries in Africa to create 100 of start-ups

Digital transformation of Africa

- *IoT and young people are the center of the transformation*
- *Vision to redesign homegrown cost-effective alternative*
- *Entrepreneur and start-ups for social innovation*
- *Lot of accelerator programs in Africa*

WAZIHUB Innovation program

- *The innovation program is made up of three phases namely*

SMART INCUBATOR

NDOVUCARE

Powered by WaziDev.

Detect elephant proximity with infrasonic and seismic sensors

Analyze inaudible pitch patterns and a unique ground vibrations produced by the elephants

Trigger both floodlights and siren in a disturbing pattern. This will scare away the elephants and warn the villagers

NdovuCare will then push data to the cloud for further analysis using WAZIUP technology, and notifies the Kenya wildlife service.

THE TEAM!

Lean Von Hagen – Marketing

AAS, BSc, MSc,

PhD Candidate , Aurbun University,

Elephants and Sustainable Agriculture In Kenya (ESAK).

Harry Mwailengo – Administrator

MBA, BSc,

Masters Degree, Moi University,

Community Development.

Brayton Anderson – Lead Developer

BSc, CCNA, Waziup IoT Certified,

Bachelors Degree, Jomo Kenyatta University of Agriculture and Technology.

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COME AND DISCUSS WITH US
ITU SmartABC Pavilion

WAZIUP WAZIHUB