

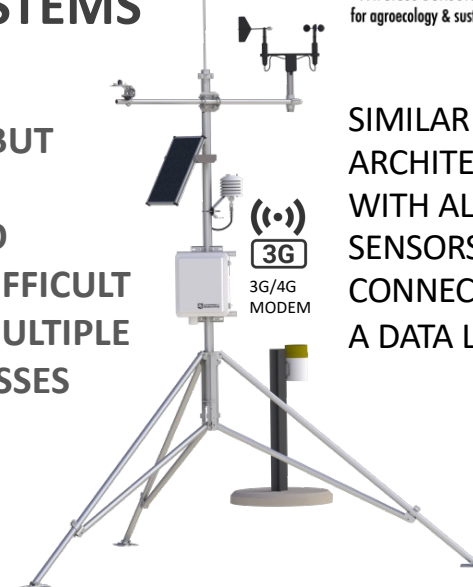
Wired sensors spanning a relatively short distance. Complex setting with solar panel and high capacity battery to power the whole system. Cellular connectivity sends data to servers/clouds.

TRADITIONAL APPROACH FOR MONITORING SYSTEMS

ROBUST & ACCURATE, BUT HIGH COST, COMPLEX TO DEPLOY & DIFFICULT TO SCALE; MULTIPLE 3G/4G ACCESSES NEED TO BE PROVIDED

AgriFutur

Wireless Sensors Made Simple for agroecology & sustainable agriculture



SIMILAR ARCHITECTURE WITH ALL SENSORS CONNECTED TO A DATA LOGGER

MORE FLEXIBLE APPROACH WITH RECENT WIRELESS IOT TECHNOLOGIES



Host devices for sensors are all independent with cost-effective hardware (~25€). Can be deployed on a large area and run on AA batteries for several years. Small solar panel on device can provide extended autonomy for more power-consuming sensors. IoT wireless connectivity (no charge, 2-8km range) sends data to a single edge-enabled IoT gateway.



STILL ROBUST & ACCURATE BUT LESS COSTLY! OUT-OF-THE-BOX DEPLOYMENT IS MADE POSSIBLE AT LARGE SCALE! EDGE-ENABLED GATEWAY PROVIDES ADVANCED FEATURES.

THE ECOSYSTEM WE ARE DEVELOPING FOR OUT-OF-THE-BOX SENSING SYSTEMS – MORE ADAPTED TO SMALL FARMS

A LARGE VARIETY OF SENSOR DEVICES BASED ON A GENERIC, FLEXIBLE AND POWER-EFFICIENT HARDWARE PLATFORM

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A VERSATILE, FULLY EDGE-ENABLED IOT GATEWAY WITH ADVANCED & EMBEDDED AI PROCESSING

IT ACTS AS A WIFI HOTSPOT FOR USERS TO CONNECT AND GET ACCESS TO ALL SENSOR DATA IN A USER FRIENDLY GRAPHICAL INTERFACE BASED ON HOME ASSISTANT; INTERNET CONNECTIVITY IS OPTIONAL

