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Open Innovation Platform for IoT/Big Data in Sub-Saharan Africa

WAZIUP is an international cooperation action targeting sub-Saharan African countries. It aims to accelerate innovation in Africa through EU- as well as through African- cutting edge IoT cost-effective communication, a Big Data application platform and know-how. WAZIUP maximises the use of standards to create an interoperable open platform, based on open source software, to create radically new paradigms for innovative application/service delivery.

How does it work?

The WAZIUP project is a collaborative research project using cutting edge technology applying IoT and Big Data to improve the working conditions in the rural ecosystem of Sub-Saharan Africa. First, WAZIUP operates by involving farmers and breeders in order to define the platform specifications in focused validation cases. Second, while tackling challenges which are specific to the rural ecosystem, it also engages the flourishing ICT ecosystem in those countries by fostering new tools and good practices, entrepreneurship and start-ups. Aimed at boosting the ICT sector, WAZIUP proposes solutions aiming at long term sustainability.

The consortium of WAZIUP involves 7 partners from 4 African countries and partners from 5 EU countries combining business developers, technology experts and local African companies operating in agriculture and ICT. The project involves also regional hubs with the aim to promote the results to the widest base in the region.

Key objectives

WAZIUP aims to:

- Empower the African Rural Economy;
- Serve the Wealth Growth of Rural Communities
- Innovate Agro-Industry Processes; and
- Improve work conditions.

To increase the impact of WAZIUP on the selected pilots, IoT-Big Data solutions will be sensitive to energy-efficiency constraints, while targeting to be low-cost and easy to maintain.

How to get involved?

WAZIUP will deliver a sustainable open source platform (Including Open APIs and source code) that will be available for all potentially interested users, especially for IT developers and African SMEs.

Project Facts

CALL: Collaborative Projects Call 2 - ICT12 | **EXECUTION:** From February 2016 to January 2019

COORDINATOR: Abdur Rahim (CREATE-NET)

PARTNERS: CREATE-NET (Italy), Easy Global Market (France), University of Pau (France), Unparallel Innovation Lda (Portugal), Innotec21 GmbH (Germany), University Gaston Berger de Saint Louis (Senegal), Coder4Africa (Senegal), CTIC Dakar (Senegal), Polytechnic University of Bobo-Dioulasso (Burkina Faso), iSpace (Ghana), Farmerline (Ghana), Lafricaine DArchitecture (Togo)