



6/8

CURRENT TRL  
& TARGET TRL

## IMPROVED

ANIMAL WELFARE

- 20%

SICK PIGLETS

- 10%

PIG MORTALITY

### COUNTRIES

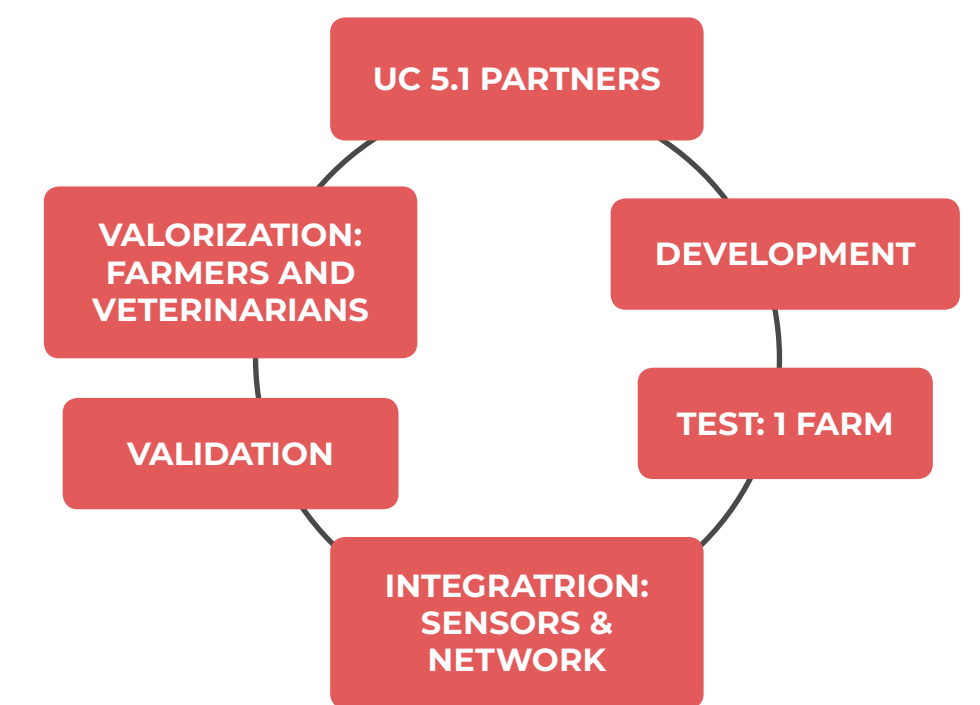


### PARTNERS

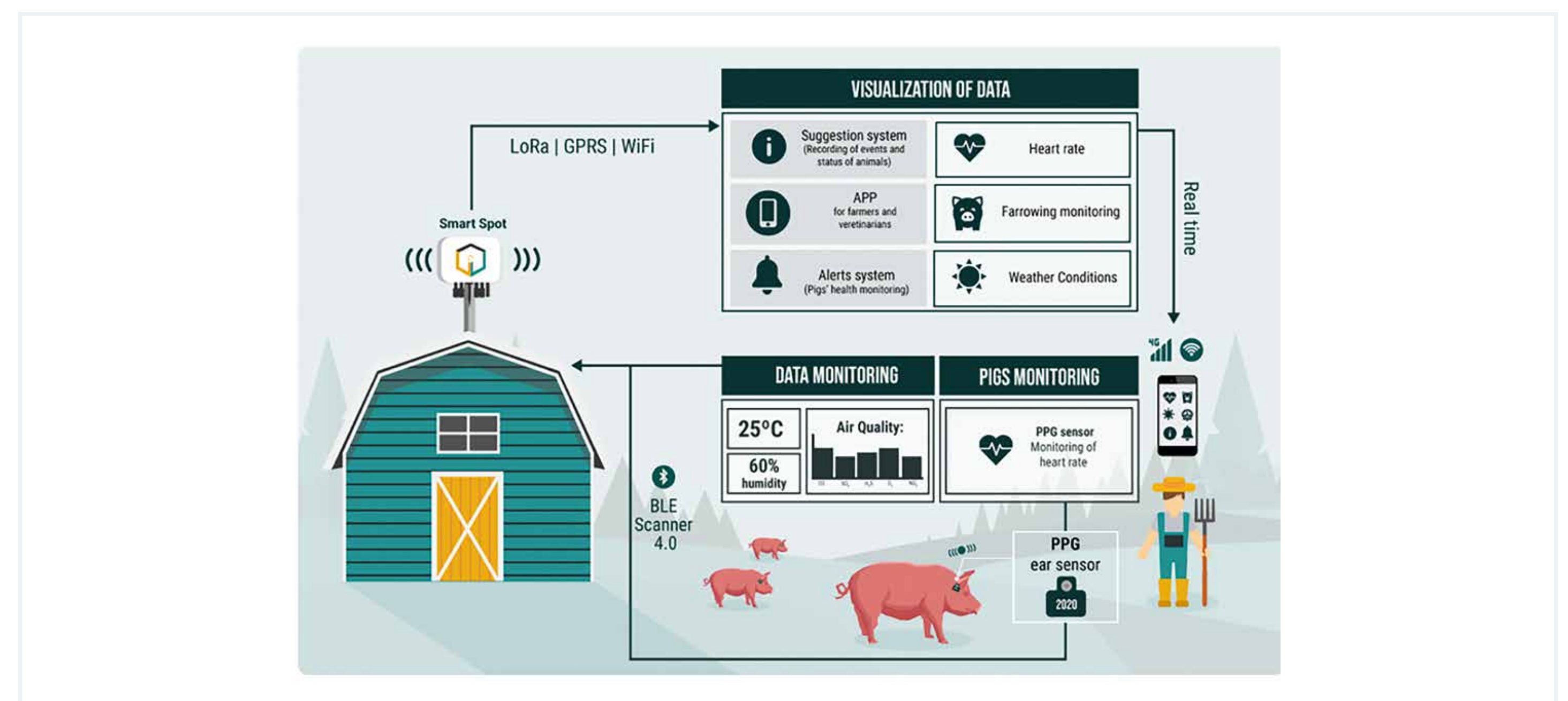


# 5.6 INTEROPERABLE PIG HEALTH TRACKING

Pig production's substantial advancements over the last couple of decades has resulted in considerable improvements in productivity, allowing farms to be operated at a larger scale without losing efficiency. Changes in physiological parameters of pigs are good indicators for their state of health. This use case thus relies on intensive scrutiny of each animal through IoT sensors, enabling the farmer to swiftly intervene in case health risks or diseases occur. The advantage of sensors, measuring physiological parameters, is that the animals are monitored constantly, and the collected data can further be utilized to assess production management and support decision-making.



## HOW IT WORKS



## THE IMPACT

### OUR OBJECTIVES

- Reduce risks of virus herd contamination;
- Enhance and optimise meat production;
- Cost-effective monitoring through non-intrusive sensors;
- Provide a data management platform for farmers & veterinarians;
- Management of piglet mortality and reduction of economic risks;
- Periodical health monitoring of the herd & follow-up of diseases.

### ON ECONOMY

- Optimise pig production;
- Scalability of IoT sensor deployment in mass production;
- Reduce sick piglets (-15%);
- Replicate the deployment at international level;
- Improve traceability of livestock;
- Reduce antibiotics costs.

### OTHER IMPACT

- Improved animal welfare (+50%);
- Reduced piglet mortality (-50%);
- Avoid unnecessary use of preventive antibiotics;
- Earlier detection of health issues (+15%);
- Reduced piglet diseases (-60%);