



## One Health Sustainability partnership between EU-AFRICA for food security



NESTLER is a joint project between the EU and African member states designed to promote One-Health sustainable partnership.

### Smart farming sensors:

- IoT sensors monitor environmental parameters
- Safe wearable devices among livestock observe the well-being of animals
- Hardware devices measure crop quality

### Remote sensing technologies:

- Detection and mapping of predictive epidemiological outbreaks
- Preventing pest infestation in crop cultivation
- Ingesting satellite data sources along with data streams captured from UAV and other IoT devices

### Crop quality assessment and pest control management:

- Advanced AI models in complex heterogeneous data for yield quality estimation and livestock disease detection
- Analysis for food security against pest infestation outbreaks
- Risk assessment methodologies that adversely affect the produce quality
- Predictive analytics on forecasting environmental, weather and climate conditions

#### Consortium Partners:



The NESTLER project is funded by the European Union under Grant Agreement No. 101060762. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.