



# Agriculture Digital Innovation Hubs

Future visions

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## WIRELESSINFO - profile and introduction

- ◎ WIRELESSINFO is a private virtual research village which brings together SMEs, research and industry.
- ◎ WIRELESSINFO was founded in 2003 by Czech participants in the **Wirelessinfo IST 1999-21056** project.
- ◎ The association participates in the development of applications in the field of information technology and coordinates activities in **research, new development, testing and use of new information systems and technologies for data collection, transmission and management**. The main direction of development is the emphasis on the use of decentralized data sources, the use of open interfaces and the development of applications with the involvement of end users. WIRELESSINFO operates mainly in the fields of **agriculture, environment, tourism and regional development**.

## WIRELESSINFO - projects experience

- WIRELESSINFO has been involved in **European research projects** for almost 20 years.
- These are more than 20 international projects focused on smart agriculture, including the **Framework Programs, ESA, V4 and ERASMUS**.
- Examples of recent and present projects
  - FOODIE, EUXDAT, EO4Agri, IoF2020, SmartAgriHubs, STARGATE** etc.



# AgriHub - Czech Agricultural Innovation Center - GOALS

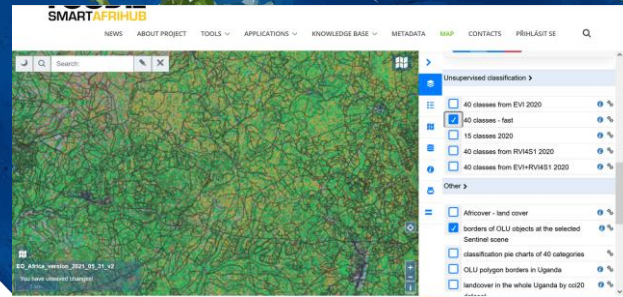
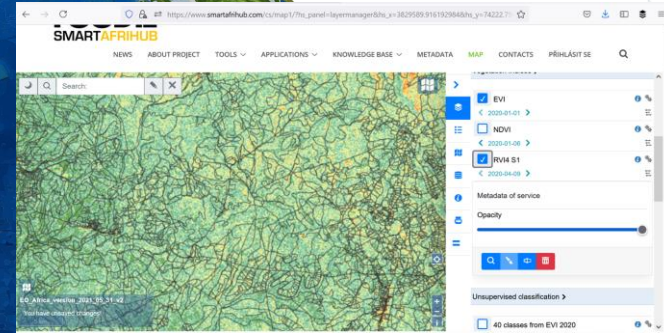
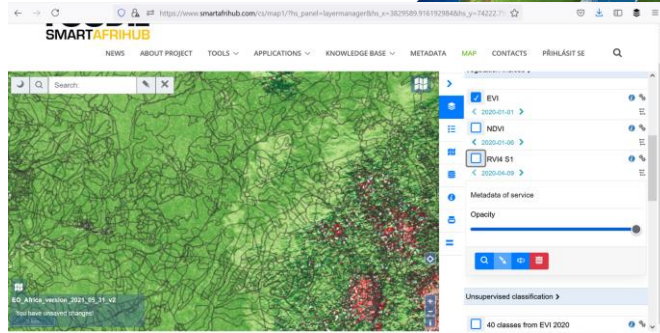
- ◎ **One access point**
- ◎ **Integration and creation of spatial data of various sources in the Czech Republic** - we currently harvest data from Cenia and LPIS, but we also generate our own data (eg OLU, yield potential maps, vegetation development from remote sensing data...) and we access our results of our research in real time
- ◎ Access to spatial data within QGIS and HS-Layers NG technologies and mobile applications for data display
- ◎ **Community of experts** - community portal
- ◎ **Knowledge base**
- ◎ **Shared knowledge** and the possibility of **recycling developed applications**
- ◎ Support for **startups** and **new ideas**
- ◎ Space for **promotion**



## Our HUBs



# Earth Observation





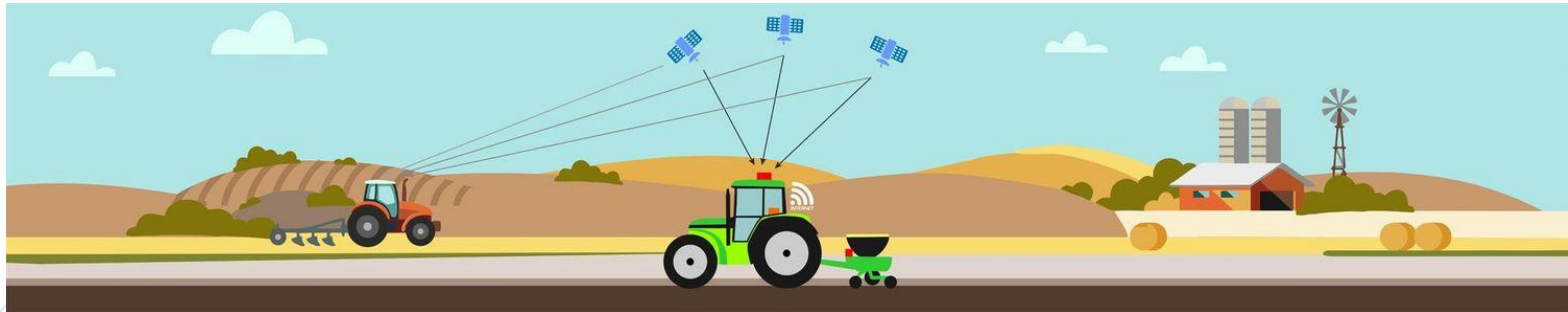
## Partners

- ⦿ Artificial Intelligence Expert
- ⦿ Modelling
- ⦿ Agronomy
- ⦿ Water and Soil management
- ⦿ Climatic change mitigation
- ⦿ Pilots



# Interest

- ◎ Focus on **Big Data** and **Green Deal** and **Rural Development**
- ◎ GEOS
- ◎ Copernicus
- ◎ Smart Farming





## What we can offer

- ◎ We have extensive experiences with writing proposals
- ◎ We have large network of contacts in Europe and beyond

### TECHNOLOGY

- ◎ Innovation Hub, which can be easy modified.
- ◎ Cloud infrastructure

### SERVICES AND SUPPORT

- ◎ Earth Observation
- ◎ Sensors
- ◎ Data analysis



# Thank you for your attention



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