



COMP4DRONES



ECSEL Austria Konferenz, Graz, 2019

# Project Objectives



Easing the integration and customization of drone **embedded system**

Enabling drones to take **safe autonomous decisions**

Ensure the deployment of **trusted communications**

Minimizing the **design and verification** efforts for complex drone applications

Ensuring **sustainable impact** and creation of an industry-driven community

# Vineyard Demonstrator

Trustworthy interaction between land-bound sensors and drones as gateways:

- Connecting remote areas
- Collect sensor readings (static) and multispectral images (moving)
- Remote data analysis allows work on demand (e.g. spraying)

Demonstrator:

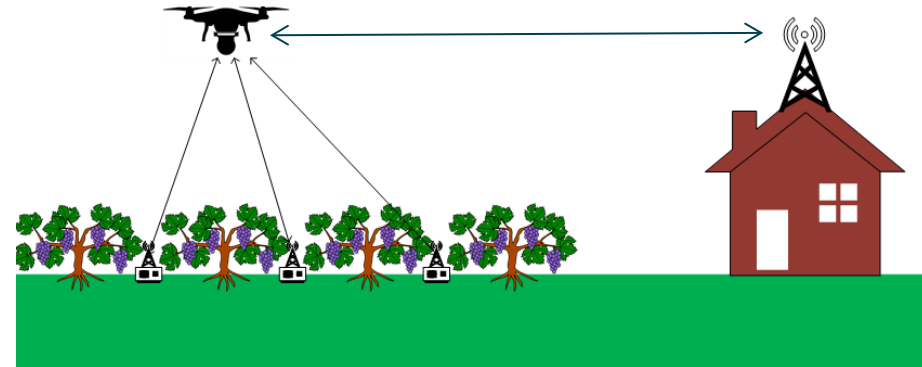
- The drone (>5kg payload) will be defined during the project equipped with a multispectral camera
- Land-bound sensors for secure communication
- Secure element TPM (trusted platform module) Infineon

Infrastructure:

Winery company “Weinbau Moravitz”

Austrian Partners:

- AIT
- Weinbau Moravitz
- FH Burgenland
- Infineon Austria
- Skyability



# Vineyard Demonstrator TBD

