MAGDA
INNOVATIVE SENSING FOR FARMING

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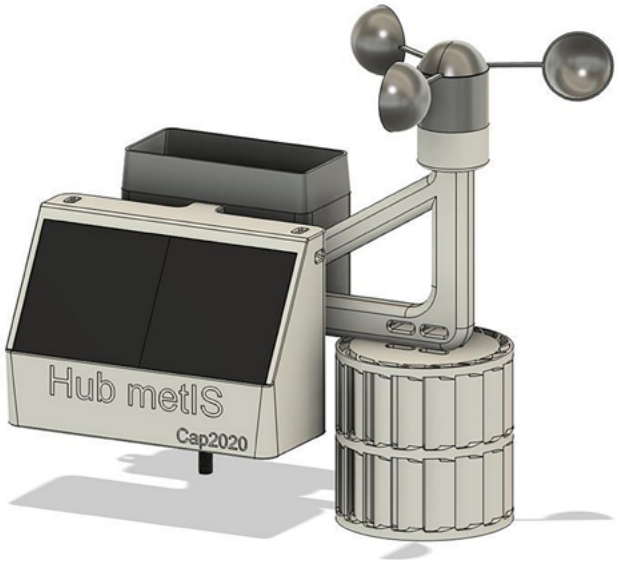
MAGDA Project

Name of the device:
Cap 2020 metIS hub



Nature of the device

This weather station can measure air, plant and soil parameters such as moisture, temperature, cost effective and easy to deploy, it is geolocalized. Extra sensors can be plugged in to extend the scope of the acquired data. It is used in the MAGDA project both for enhancing the forecast accuracy and for validation.

Trivia on the device

All mechanical parts are 3d printed in our Montpellier facility.

The demo sites

Three demo sites have been chosen for MAGDA project including this one! Demo sites are situated in Piemont, Italy, Braila, Romania and Burgundy, France. The italian demo site is on arboriculture, the romanian site mainly on cereals and the french site focuses on viticulture.

MAGDA project general info

MAGDA aims to provide valuable weather and irrigation information directly to farmers and agricultural operators, by exploiting the strengths of atmosphere and soil sensing technologies.

The developed system will improve the prediction of severe weather events (rainfall, snow, hail, wind, heat and cold waves) as well as of weather-driven agricultural pests. Moreover, in combination with the hydrological model it will improve irrigation performance and therefore increase food security and sustainable water management in Europe.

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GReD FutureWater MINDS & SPARKS cap2020 meteomatics