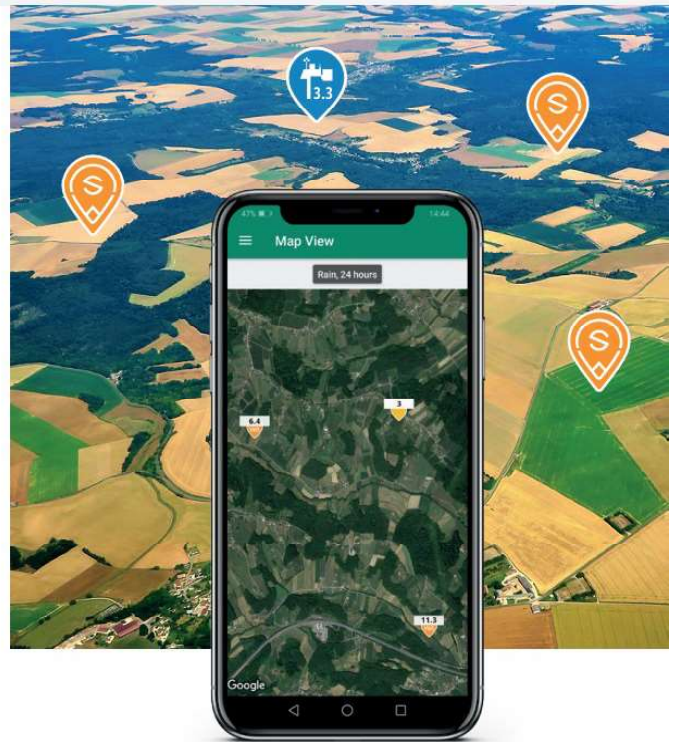


iMETOS VWS - Virtual Weather Station

Virtual Stations exist for any point on the earth, for which meteoblue can derive weather data. The data is not the result from an actual iMETOS station measurement, but consists of simulated data, calculated by highly reliable meteoblue weather models.

In some terrains, such as flatlands, the calculated data is highly accurate with minimal discrepancies to actual values, such as temperature or precipitation. These are the regions where virtual stations prove to be a great asset.










In cases where terrain is more complex or the discrepancies to actual values are not acceptable because the risk is too high, an iMETOS station needs to be installed.

iMETOS VWS vs iMETOS IoT STATION

	Virtual station	iMETOS IoT Stations
Variables	Same parameters as iMETOS IMT300 + soil temperature	Based on sensor set
Precision	Limited	High
Availability	Anywhere in the world	Only where the station is installed
Terrain	Not complex terrain	Any terrain
Maintenance	No maintenance	Regular hardware maintenance necessary
Suitability for high value decisions (frost, water management etc.)	Limited	High

DATA QUALITY

Air temperature	
Relative humidity	
Solar radiation	
Wind speed	
Precipitation	
Leaf wetness	
Soil temperature	

With actual case studies, iMETOS VWS is under continuous improvements.

VIEW RESULTS ON OUR WEBSITE:



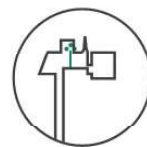
MAIN FEATURES

Calculated sensor variables equal to iMETOS IMT300 sensor set: wind speed, solar radiation, soil temperature, air temperature, precipitation, relative humidity and leaf wetness, along with calculated values of ET₀, vapor-pressure deficit (VPD) and DeltaT. All data and decision support services are accessible online through FieldClimate platform.

THE ADVANTAGES



A perfect entry into precision agriculture with no maintenance cost



Offers the same range of solutions as an actual weather station



Very cost effective, simple to use and activated with just a few clicks on the computer or phone



Works as a complete decision support service - provides weather forecast, offers disease models and helps with work planning