

iMETOS NB IoT

iMETOS NB IoT is a new generation of the iMETOS weather stations, that operates on the NB IoT network. iMETOS NB IoT can be connected to existing NB IoT network, if present at your location. Mounting in the field is done in minutes.

iMETOS NB IoT can handle various sensors. Data is permanently measured in 5-minute intervals and sent every 15 minutes to the server. All the data is synchronized and shown on FieldClimate.



MORE INFO:
metos.at/imetos-nbiot



TECHNICAL SPECIFICATIONS

Model/Type	Processor PIC18 with NB IoT modem
Sensors layout	3 fixed analogue inputs: wind speed, leaf wetness and rain gauge 5 digital inputs: automatic sensor recognition
Housing	UV resistant polycarbonate plastic (Protection class IP65)
Dimensions without sensors	30 cm L x 16 cm W x 19 cm H
Weight without sensors	1.6 kg
Expected range	Wherever NB IoT network is available
Battery	6V charging battery with solar panel
Measuring interval	5 minutes (by default)
Logging and transmission interval	15 min (by default)
Supported sensors	1 rain gauge 0.2 mm or water counter, 1 leaf wetness or 1 pressure switch, 1 temperature & relative humidity (Hygroclip), 2 Watermark sensors, 2 METER Group sensors, 2 temperature sensors (soil, water, leaf, wet bulb) and 1 DC input (global radiation, barometric pressure, water level ...)

Our Platform & Mobile Apps

A complete range of wireless, solar powered monitoring systems under the iMETOS brand comes together on the FieldClimate platform.



ONLINE APP

ng.fieldclimate.com



MOBILE APP



HYPER LOCALISED WEATHER FORECAST FOR WEATHER-DEPENDENT OPERATIONS

Monitor field accessibility and plant protection conditions, calculate fertilizing efficiency and spraying, sowing, harvesting windows, estimate yield and better plan your field operations.



metos.at/weather-forecast



DISEASE MODELS

With the support of more than 85 disease models for more than 50 crops you will be able to optimize your plant protection strategy. Make conscious decisions and use the best tools to safeguarding your production.



metos.at/disease-models



SOIL MOISTURE & IRRIGATION MANAGEMENT

Monitoring soil moisture and other meteorological variables helps you decide when and how much to irrigate, based on the real need of your crop. Save water and optimize fertilizer efficiency. Improve quality and increase yield.



metos.at/water-management

iMETOS NB IoT



WWW.METOS.AT

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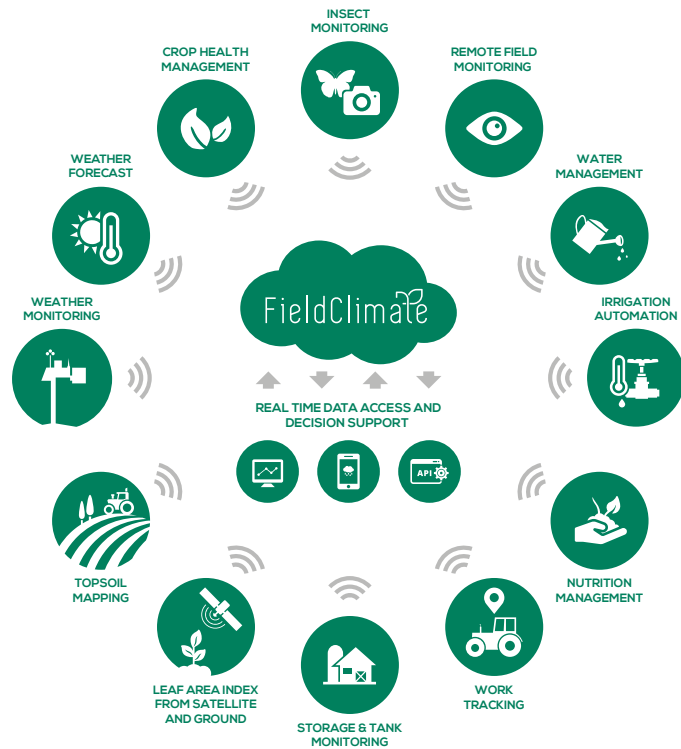
The iMETOS

The digital age is here. Not only has it become a part of our daily lives; it has also started to change agriculture. With innovative technologies at hand, farmers worldwide are rethinking the management of farms – increasing their yields and income by carefully monitoring and optimizing their inputs.

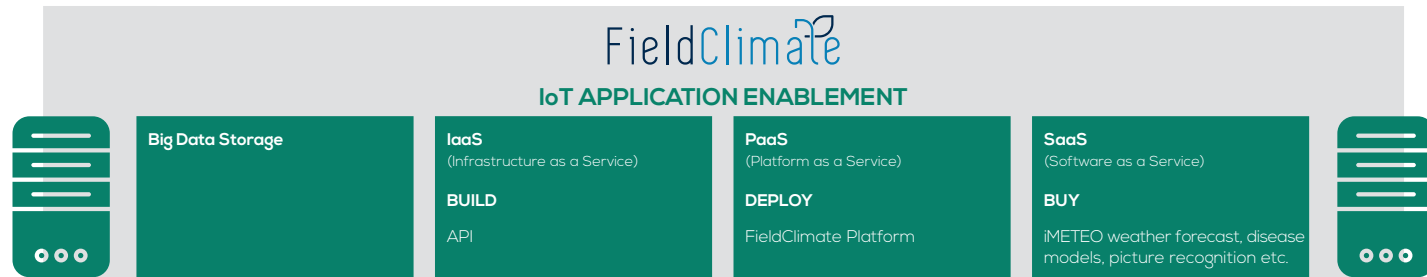
The iMETOS Decision Support Systems play an important role in collecting environmental data, used for the optimization of farm management activities and enhanced fieldwork planning including plant protection and fertilizer applications, field accessibility, harvest window prediction and more.

Over the years, iMETOS has become a global brand with local support, and we are proud to say we managed to reach out to almost every corner of the world. We believe that durable, highly precise technology and support from our trained partners worldwide are the recipe for success. The iMETOS brand lasts longer, performs better, is easier to use and offers you the lowest total cost of ownership.

Applicable in all climate zones and can be used in various industries and for various purposes – from agriculture to research, hydrology, meteorology, flood warning and more.



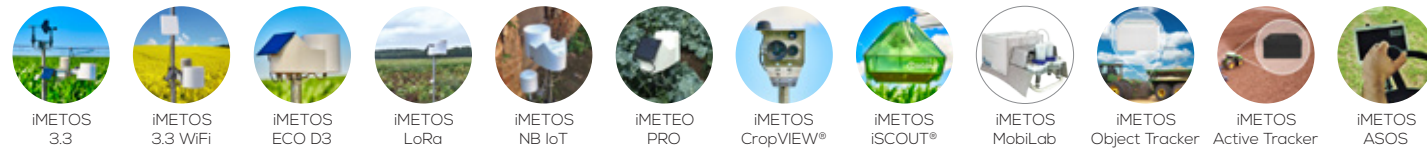
Connectivity



CONNECTIVITY



MONITORING & LOGGING



What iMETOS can do for you



Why Choose iMETOS NB IoT

Main advantages for the farmer include:

- Low connectivity costs
- Low power consumption
- Minimal operational costs
- Simple use

Typical range of the NB-IoT enabled IoT devices is 15 kilometers from the base station.

The speed of network is low, and it is intended to transfer only smaller amounts of data (not more than 1 MB).