ERMES
AN EARTH OBSERVATION MODEL BASED RICE INFORMATION SERVICE

AGRONOMIC MODELLING TO SUPPORT AGRICULTURAL PRACTICES

Modelling of plant development

Temperatura Massima

Total Aboveground Biomass

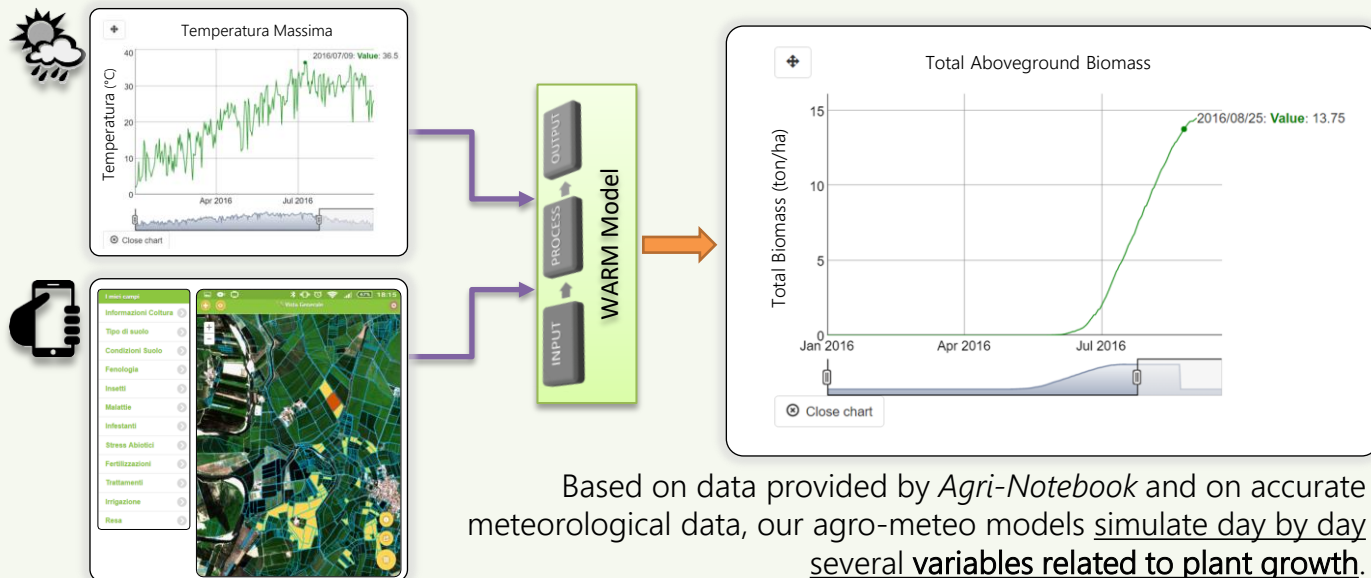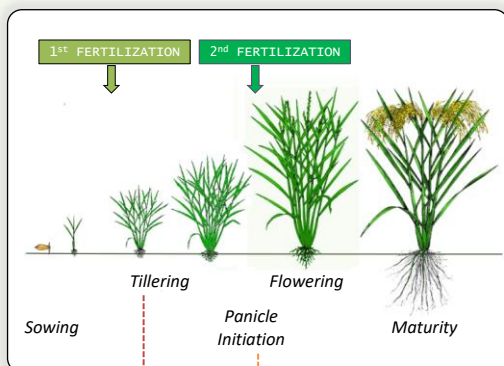WARM Model

Based on data provided by *Agri-Notebook* and on accurate meteorological data, our agro-meteo models simulate day by day several variables related to plant growth.

How can this be useful for me ?

Model outputs
For each field
Can be visualized in
the ERMES GeoPortal.

1st FERTILIZATION   2nd FERTILIZATION

Tillering   Flowering

Sowing   Panicle Initiation   Maturity

Mail alerts are automatically sent under determined conditions.

For example, in the case of high risk for rice blast infection, or when the best periods for Nitrogen fertilization are approaching !

They provide information on the **development stage** of the plant, and on occurrence of specific **risk conditions**.

Growth Stage

2016/07/26: **Emergence**: 1
Tillering: 1.3 **Panicle Initiation**: 1.6
Flowering: 2 **Grain Filling**: 2.5
Maturation: 3 **Maximum**: 4 **Value**: 1.87

Potential risk of Blast Infection

Risk Level

Copernicus
The European Earth Observation Programme

http://www.ermes-fp7space.eu