FROM AGRICULTURE,
PRECISION

THE FIRST TECHNOLOGICAL HUB SERVICING ITALIAN AGRICULTURE

BONIFICHE FERRARESI

IBF
AGRICOLTURA DI PRECISIONE

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IBF Servizi is a company born from the partnership between Bonifiche Ferraresi and ISMEA to provide precision farming services to Italian agricultural companies aimed at enhancing companies' competitiveness in terms of cost reduction, production quality improvement and increase in the environmental impact standards.

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OUR SYSTEMIC APPROACH

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Analysis of the business environment

Support to the market objectives and opportunities valuation

Activities planning

Identification of the most suitable instruments

Data acquisition

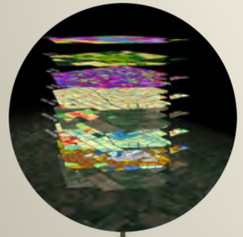
Analysis

Action definition

Verification of benefits gained

OUR ACTIVITIES

1 FIELDS DIGITALIZATION AND SOIL MAPPING



2 HOMOGENEOUS ZONES CHARACTERIZATION

3 CROP FILEDS SUITABILITY

4 FERTILIZATION

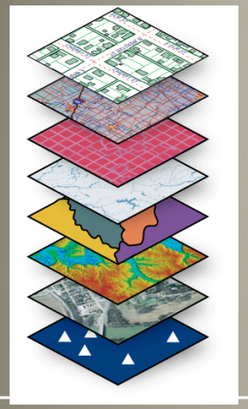
5 SOWING/TRANSPLANTING

6 CROP MONITORING

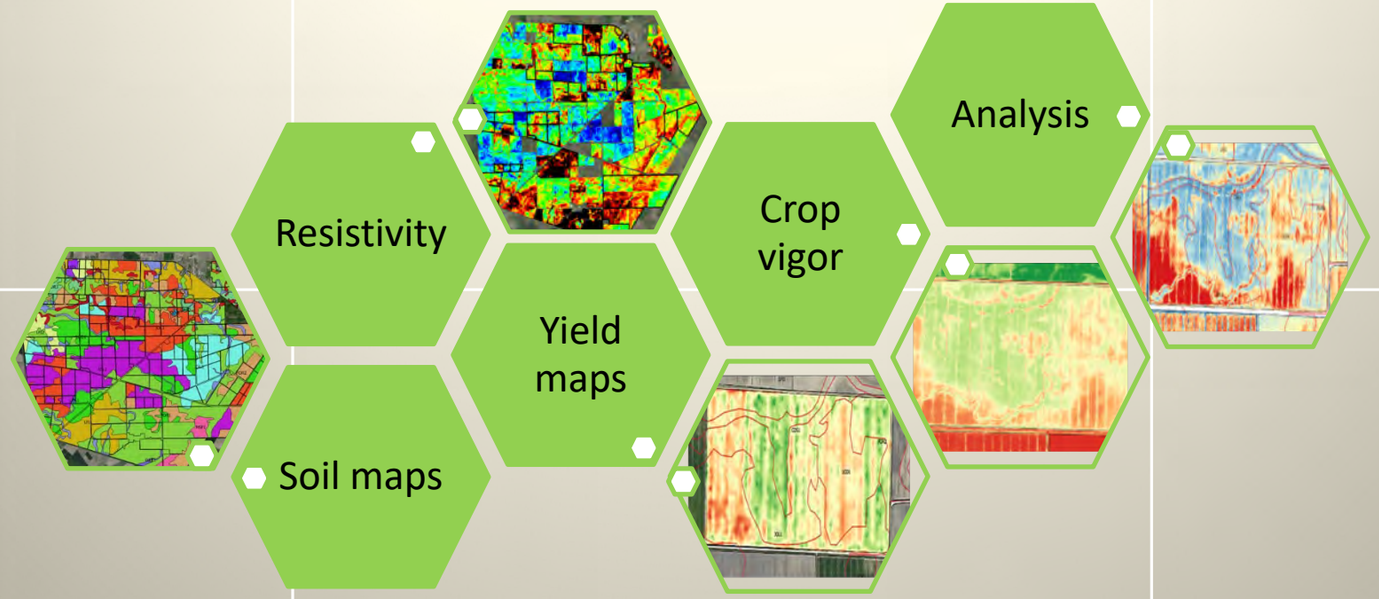
7 IRRIGATION

8 CROP PROTECTION

9 YIELD MAPS



Identification and analysis of in-field variability

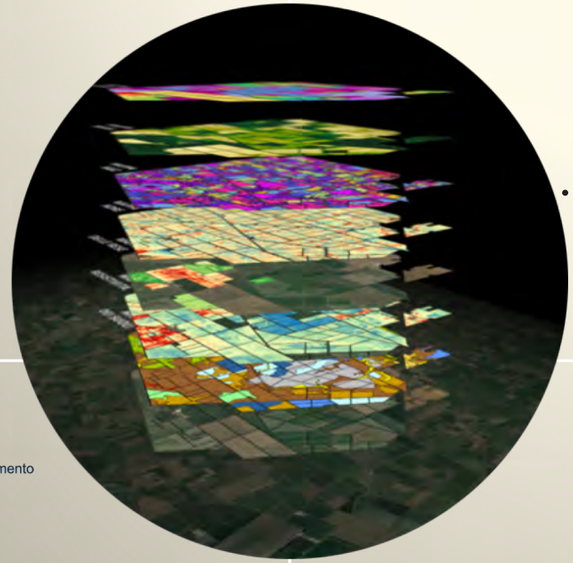


From analysis to decision: prescription maps

FROM DATA GATHERING

GEOREFERENTIATION AND SOIL MAPPING
IN PARTNERSHIP WITH CNR

istituto per il rilevamento elettromagnetico dell'ambiente



DATA GATHERING FROM DIFFERENT SOURCES AND ANALYSIS

MUZ

CREATION OF HOMOGENEOUS ZONES

CHEMICAL-PHYSICAL ENVIRONMENTAL ANALYSIS

TO HOMOGENEOUS ZONES CREATION AND AGRONOMIC APPLICATION

PRE-SOWING FERTILIZATION

SOWING

CROP DEVELOPMENT

HARVEST/ POST HARVEST

DEFINITION OF PRECISION AGROPRACTICES WITH VRT (VARIABLE RATE TECHNOLOGY) APPLICATION

PRE-SOWING FERTILIZATION

MUZ

HOMOGENEOUS ZONES STABLE OVER TIME

SOWING

FROM CONSTANT MONITORING OF THE CROP

PRE-SOWING FERTILIZATION

SOWING

CROP DEVELOPMENT

HARVEST/ POST HARVEST

SATELLITE MONITORING OF THE CROP DEVELOPMENT AND HEALTH

IN PARTNERSHIP WITH CNR

istituto per il rilevamento elettromagnetico dell'ambiente

FROM CONSTANT MONITORING OF THE CROP

PRE-SOWING FERTILIZATION

SOWING

CROP DEVELOPMENT

HARVEST/ POST HARVEST

MONITORING OF THE CROP DEVELOPMENT STATE ALLOWS TO EVALUATE

SATELLITE MONITORING OF THE CROP DEVELOPMENT AND HEALTH
IN PARTNERSHIP WITH CNR

istituto per il rilevamento elettromagnetico dell'ambiente

TOP DRESSING/FERTILIZATION

THROUGH ANALYSIS OF FORECASTING MODELS DEVELOPED IN PARTNERSHIP WITH ACCADEMIC EXPERTS IT IS POSSIBLE TO ANTICIPATE PATHOGENIC ATTACKS AND DEPLOY PHYTOSANITARY TREATMENTS

UNIVERSITÀ Tuscia

UNIVERSITÀ DEGLI STUDI DI PADOVA

UNIVERSITÀ DEGLI STUDI DI TERAMO

MICHIGAN STATE UNIVERSITY

TO BETTER QUALITATIVE AND QUANTITATIVE YIELD RESULTS

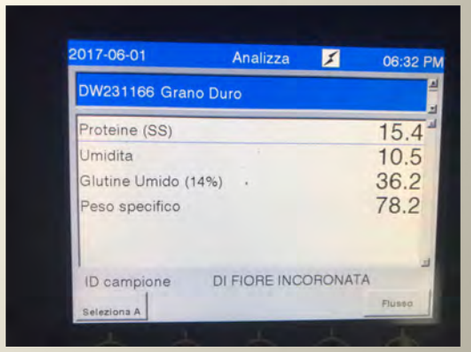
PRE-SOWING FERTILIZATION

SOWING

CROP DEVELOPMENT

HARVEST/ POST HARVEST

YIELD MAPS



JOLANDA DI SAVOIA
MARCO AURELIO VARIETY
JULY 2017

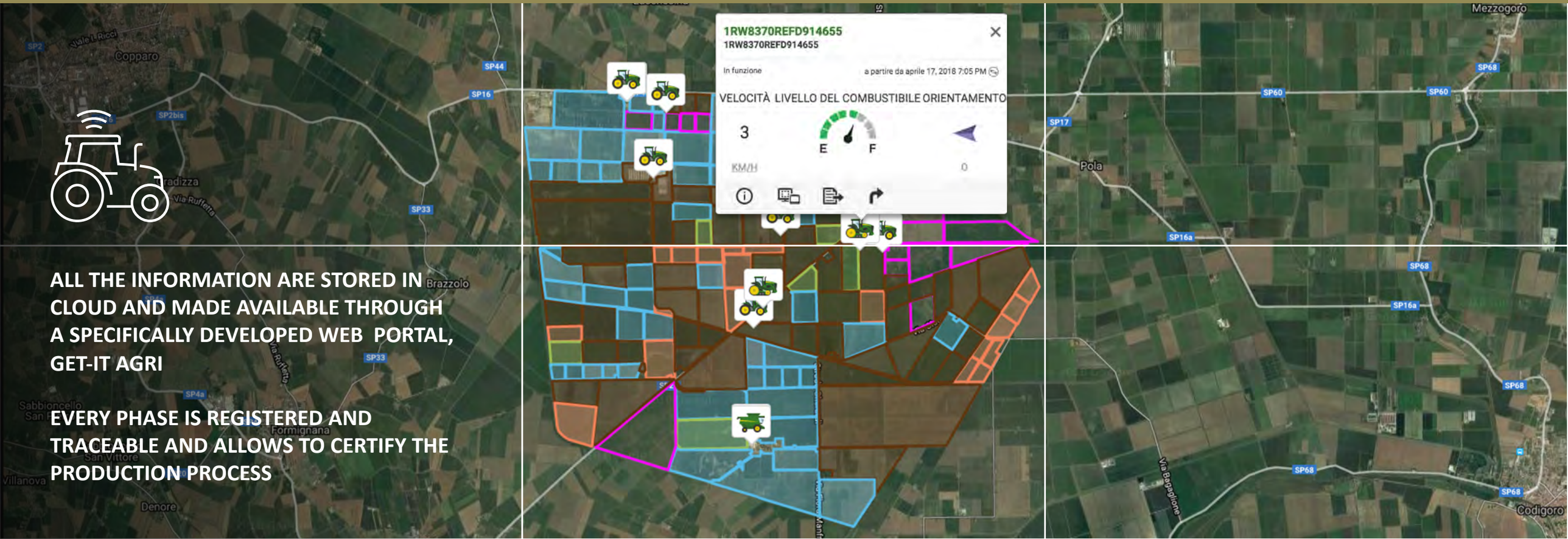
JOLANDA DI SAVOIA
OVIDIO VARIETY
JULY 2017

ALLOW DETAILED PRODUCTIVITY ANALYSIS

BECOME ELEMENTS THAT ENRICH HISTORICAL DATA AND ALLOW TO IMPROVE FORECASTING ABILITY OF MODELS

MEASURE QUALITY PARAMETERS OF THE HARVEST

INFORMATION TRACEABILITY



ALL THE INFORMATION ARE STORED IN CLOUD AND MADE AVAILABLE THROUGH A SPECIFICALLY DEVELOPED WEB PORTAL, GET-IT AGRI

EVERY PHASE IS REGISTERED AND TRACEABLE AND ALLOWS TO CERTIFY THE PRODUCTION PROCESS

TRACEABILITY OF THE WHOLE VALUE CHAIN

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