



## **Platform for Risk Evaluation and Management**



Objectives:

Services for risk evaluation and management in agriculture

ESA co-financed project





## **INPUT**





Satellite data



Meteorological data

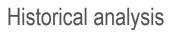




Other geospatial data



Historical agro-insurance database



Crop monitoring



Damage detection



Impact evaluation



Risk assessment

















Weather and Vegetation Index History trend



Adverse weather events



Site characterisation



Yield stats



Policy stats



Crop Failure



HISTORICAL ANALYSIS

Risk assessment based on historical weather and vegetation index trends



**CROP MONITORING** 

Weather and vegetation indexes monitoring for exposure evaluation



Damage stats

ADVERSE EVENT MAP

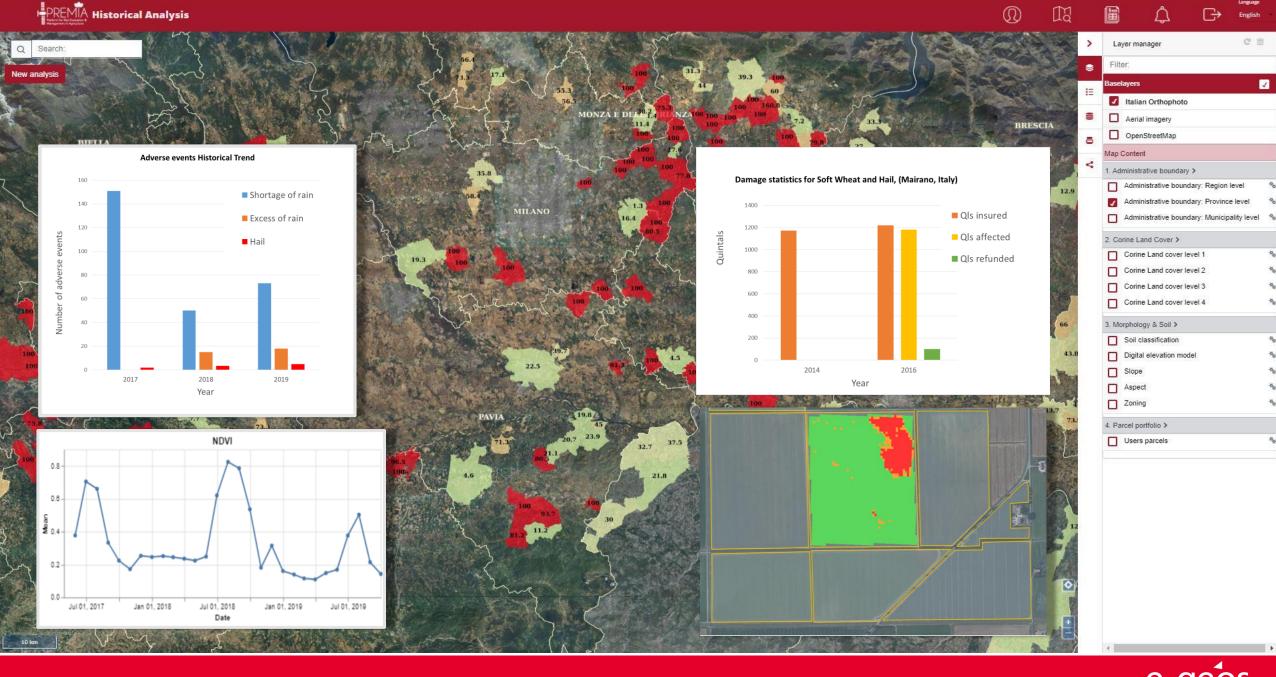
Mapping of the area affected by adverse weather event

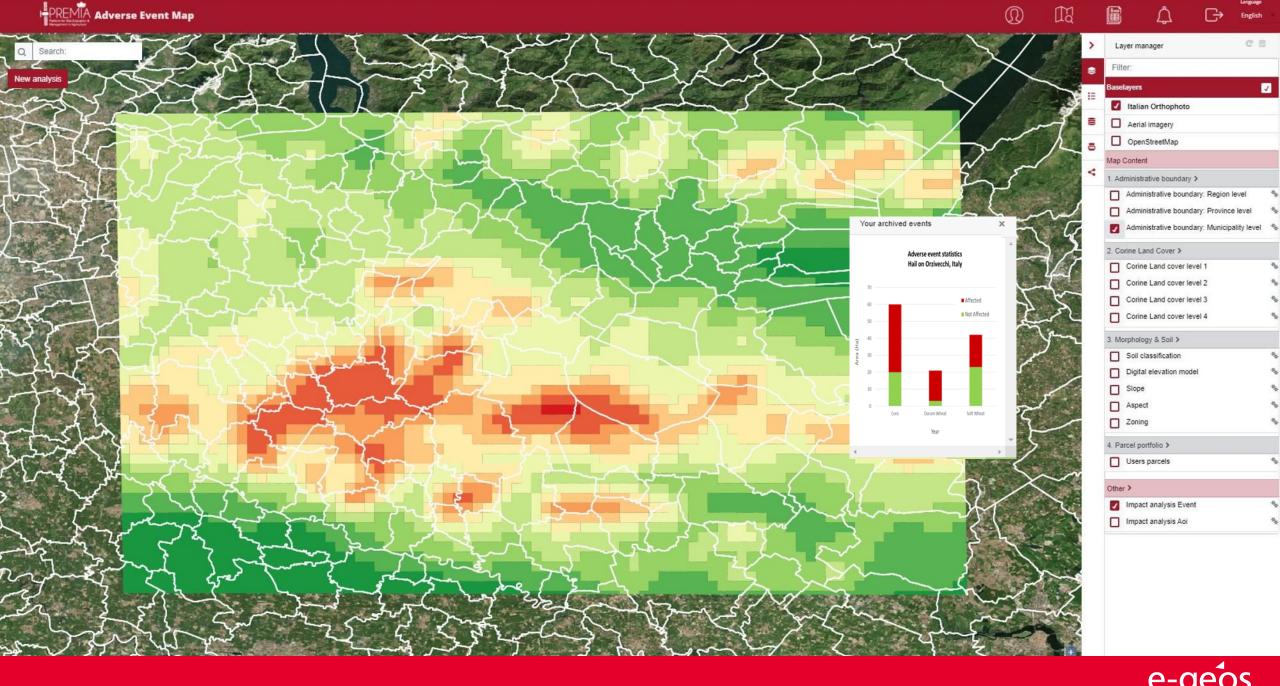


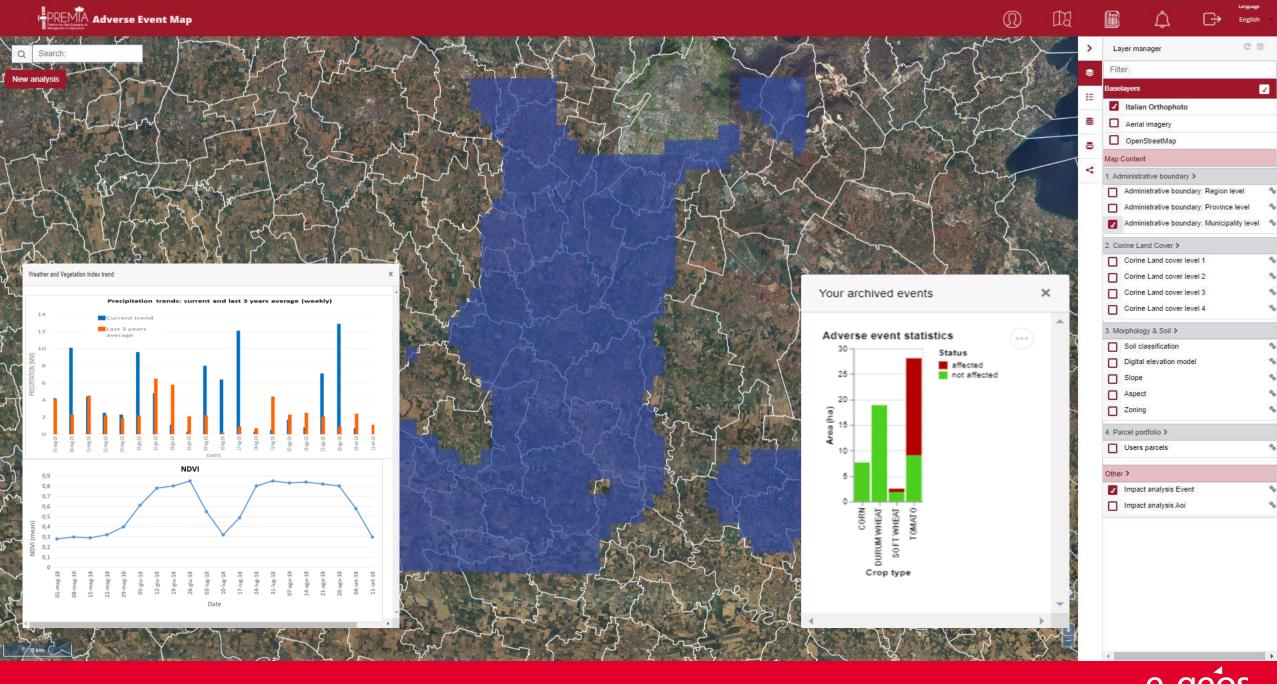
IMPACT EVALUATION

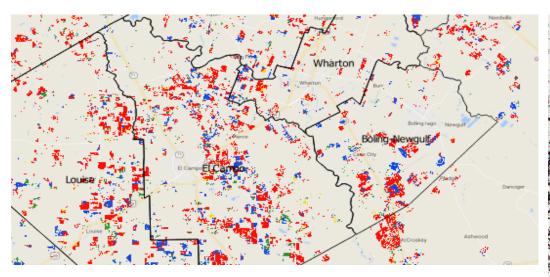
Estimation of losses occured for claims management









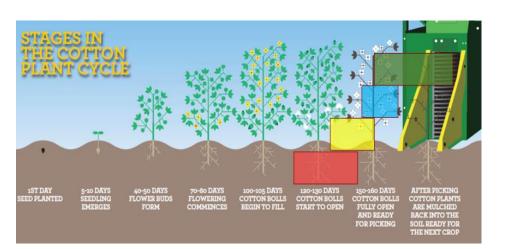


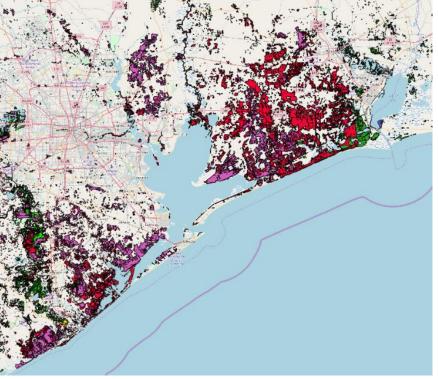
# **AgriGeo**

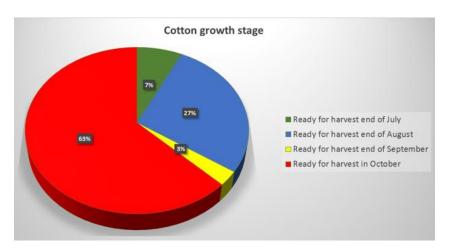


#### 2017 COTTON GROWTH STAGE

- Ready for harvest end of July
- Ready for harvest end of August
- Ready for harvest end of September
- Ready for harvest in October















## Take away messages













#### Solutions:

- have been developed with the support of our technical and scientific partners
- integrate different type of data that have been turned into information as needed by end users
- can be customized according to end user needs and data
- can be provided through the usage of web services
- Support damage assessment/loss estimation and portfolio management
- Introduce an objective instrument to support risk evaluation and loss verifications
- Contribute to promote new insurance products (i.e. indirect insurance products), also in areas never covered before by insurance





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