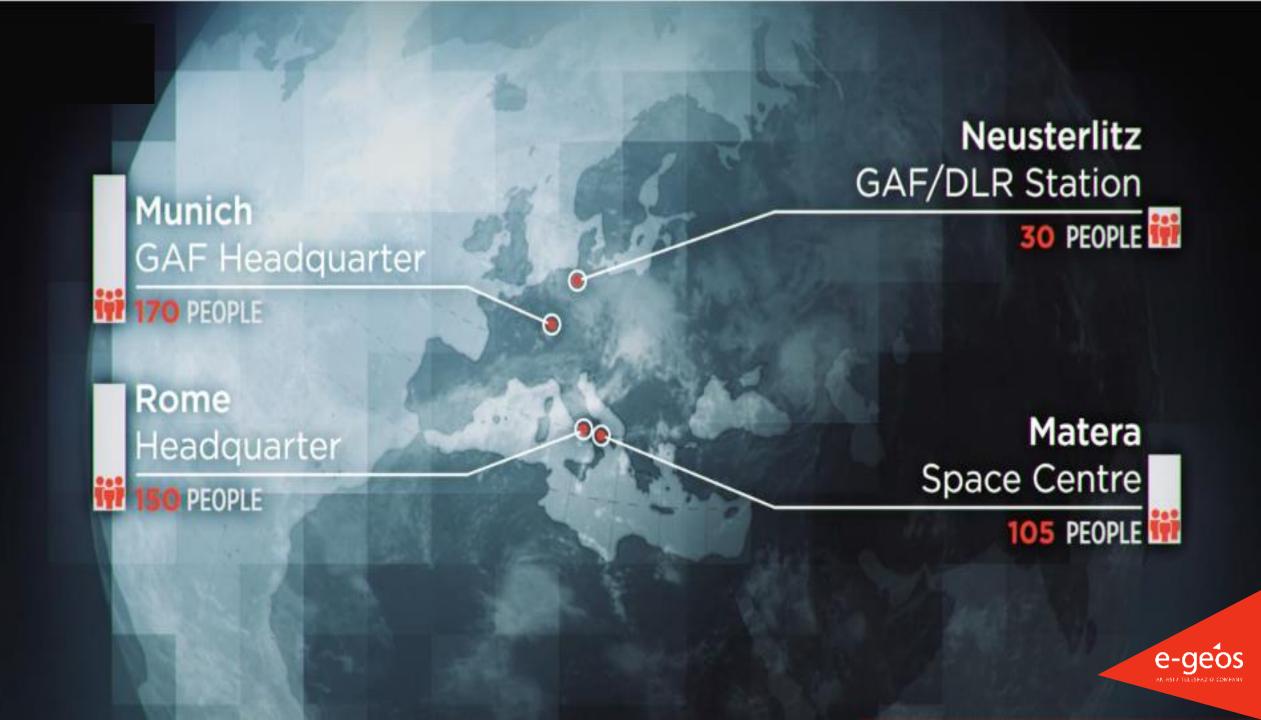
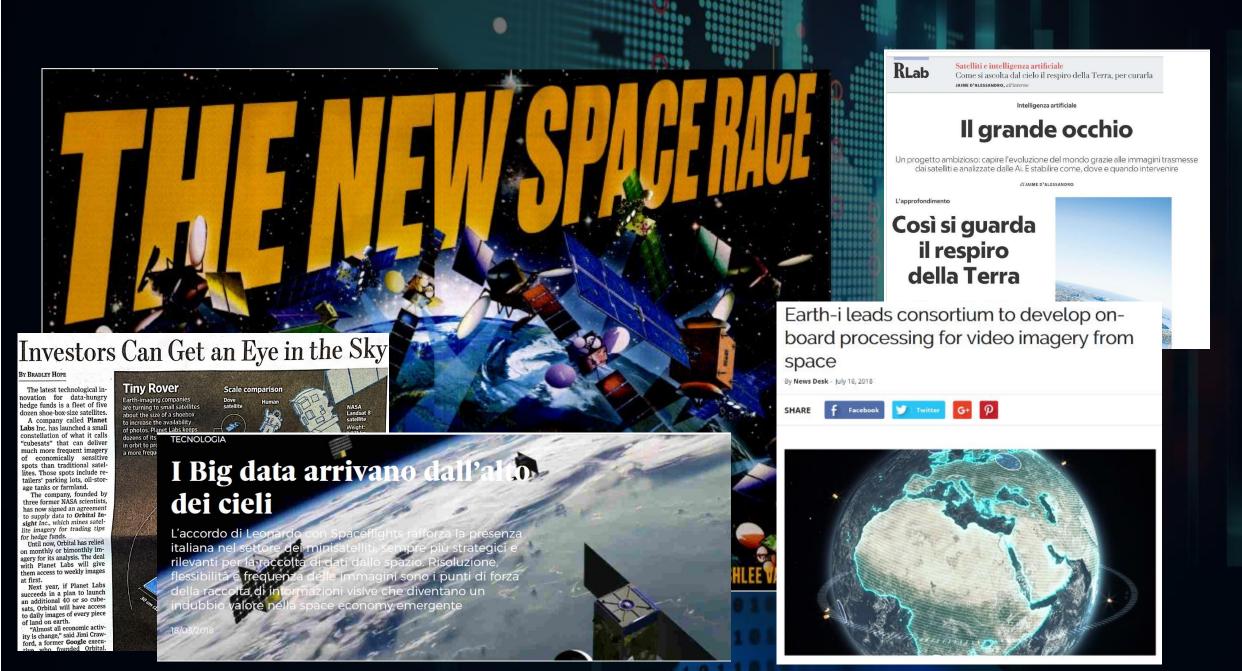
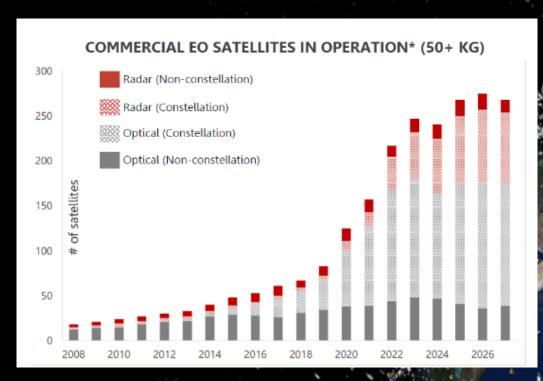


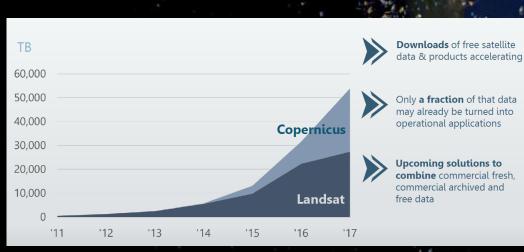
We tailor Geoinformation Services
& Al Earth Observation solutions
for operational needs over land and sea,
based on multi sensors & geo-spatial data
combined with IoT Big Data.
We are COSMO-SkyMed constellation

exclusive commercial worldwide distributor

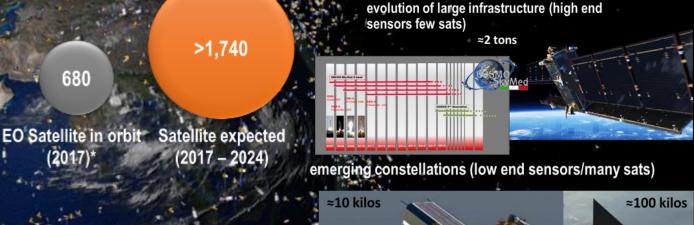








despite delay in some announced programs the number of EO satellites in orbit and the corresponding amount of generated data starts to grow fast ....



use of EO data is exponentially growing and large potential through analytics exists to feed new information driven services



# Geo Spatial paradigms and Business Models are fast changing

- Data, more and more, are just a part of the game
  - High temporal resolution to complement high and very high spatial resolution sensors
  - Federation of space assets through smart multi missions tasking platforms
- EO data definitive entered in the wider Big Data Analytics & IoT game
- Convergence in the data analytics and Al business for the EO
- Advanced algorithms, ML/DL/Al techniques are essential to address the Information driven market push for timely delivery of reports/insights











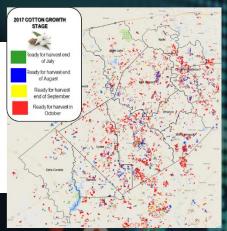


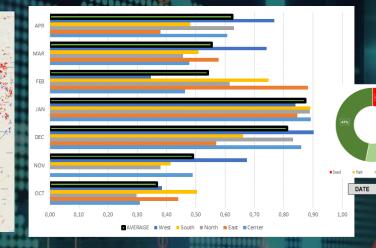








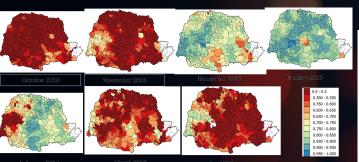


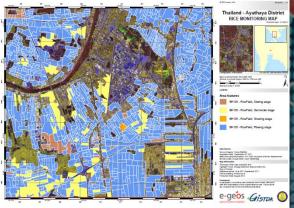




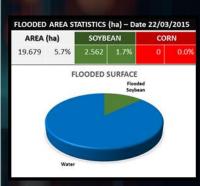


Ploughing marker Ploughing marker (> 0.5 ha parcels) (0.2 - 0.5 ha parcels)





COUNTY	STAGE 1		STAGE 2		STAGE 3		STAGE 4	
	ha	%	ha	%	ha	%	ha	%
Louise	593.10	11.65 %	1701.36	26.60%		3.09%	3904.28	61.049
Ganado	121.28	8.50%	621.16	43.55%		2.91%	642.40	45.049
Edna-Cordele	235.07	3.63%	439.04	6.79%		1.98%	5665.88	87.609
Garwood	269.48	18.38 %	154.13	10.51%		4.49%	976.85	66.629
Eagle Lake	320.15	15.30 %	251.59	12.02%		1.86%	1482.31	70.835
East Bernard	308.68	6.32%	1268.32	25.95%		4.76%	3078.01	62.985
Wallis	30.68	5.76%	111.41	20.92%		4.62%	365.76	68.70
Orchard- Kendleton	176.85	4.99%	1034.47	29.17%		3,06%	2226.33	62.78
Wharton		1.38%	3023.60	77.27%		1.57%	773.70	19.77
Boling-Newgulf	138.91	5.76%	771.12	31.98%		2.08%	1450.90	60.189
El Campo	706.78	8.57%	1968.89	23.87%		2.66%	5353.03	64.909
TOTAL	2954.8 6	7.1%	11345.07	27.4%	1168.61	2.8%	25919.45	62.69



 No more images but information, tailored according to end user needs and delivered in different formats



monitor daily



discover trends



deliver insight



# **PRECISION FARMING**

McKinsey & Company

a technology-enabled approach to farming management that observes, measures, and analyzes the needs of individual fields and crops a whole-farm management approach using information technology, satellite positioning (GNSS) data, remote sensing and proximal data gathering These technologies have the goal of optimising returns on inputs whilst potentially reducing environmental impacts



How

With

managing crop production inputs (seed, fertilizer, lime, pesticides, etc.) on a site-specific basis to increase profits, reduce waste and maintain

environmental quality.



a farming management concept based on observing, measuring and responding to inter and intra-field variability in crops. The goal of precision agriculture research is to define a decision support system (DSS) for whole farm management with the goal of optimizing returns on inputs while preserving resources

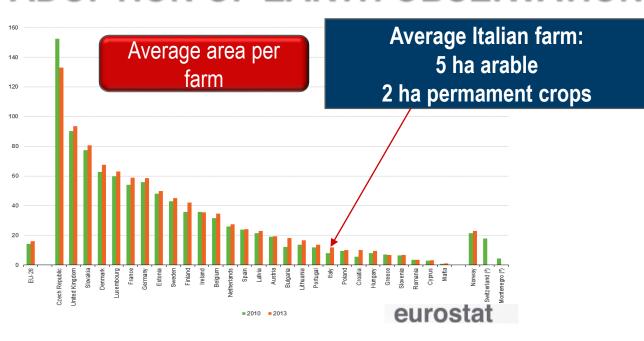
What

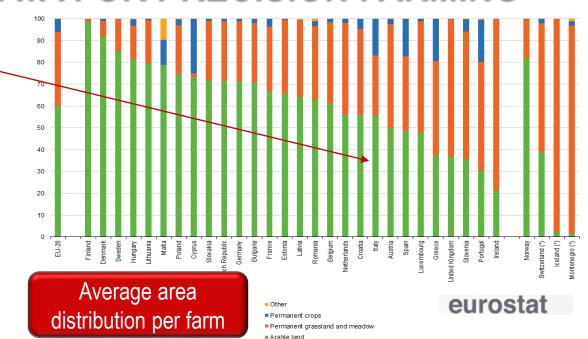




# ADOPTION OF EARTH OBSERVATION DATA FOR PRECISION FARMING COLLECTION **PROCESSING** e-geos

# ADOPTION OF EARTH OBSERVATION DATA FOR PRECISION FARMING





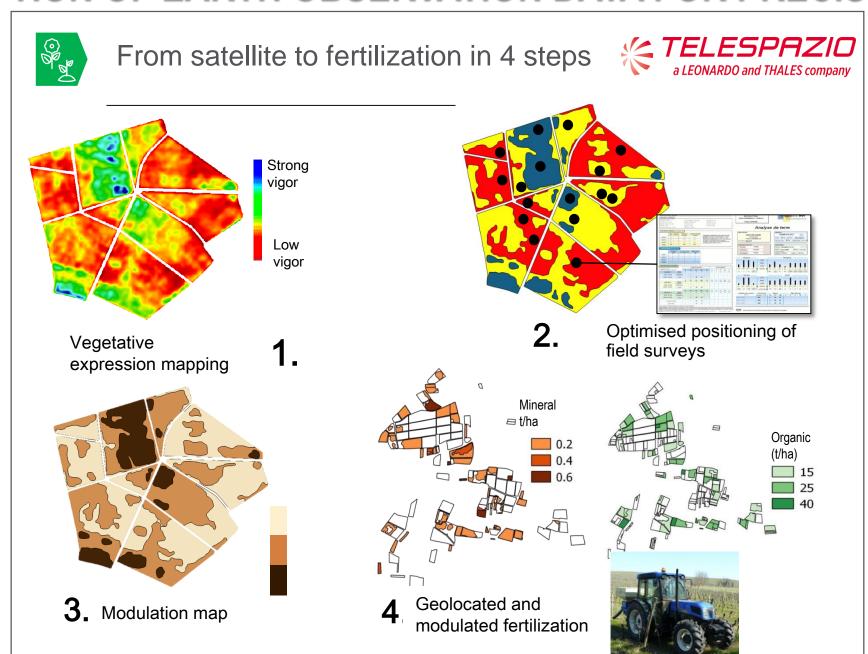








# ADOPTION OF EARTH OBSERVATION DATA FOR PRECISION FARMING







# PRECISION FARMING COSTS

### **BENEFITS**

- Cost savings
- Better yield

## **SET UP COSTS**

Assisted guidance

(2-4k€)

- Semi-automatic guidance
- (18-40k€)
- Semi-automatic guidance + VRT (28-50k€)

Source: Il nuovo Agricoltore



## THE CHALLENGE OF EO DATA

- To enable low cost services based only EO data
- Low set-up and management costs
- Services that can be integrad with other data sources
- **Supporting small/medium sized farmers**







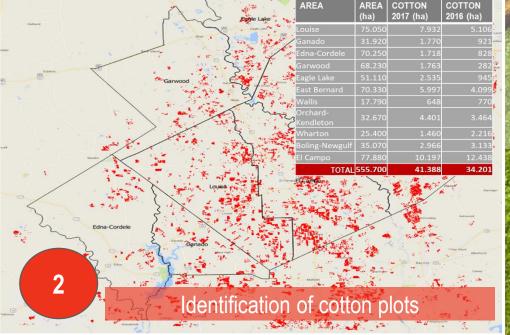
Assisted guidance

- Semi-automatic guidance
- 30-60 ha
- Semi-automatic guidance + VRT 40-80 ha

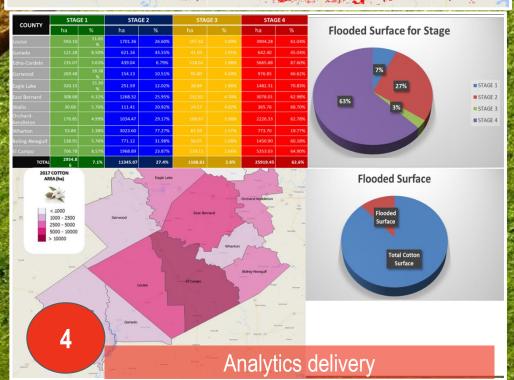




# HARVEY FLOODED ANCE ANCE 29-Aug-2017 29-Aug-2017 30-Aug-2017 30-Aug-2017 30-Aug-2017 30-Sep-2017 00-Sep-2017 00-



	Form signe take:						
2017 COTTON GROWTH STAGE	Cotton growth stage STAGES IN						
Ready for	# Ready for harvest and of July						
harvestend of July	Reary for harvest end of supers     Reary for harvest end of September     Reary for harvest of October						
Ready for harvestend of August	HET PAY PART HET PART HE STORM TO THE TOTAL THE THE TOTAL THE TOTA						
Ready for harvest end of September	To hoose the state of the state						
Ready for harvest in October	Wharton / Wharton						
2200							
	Bollin Newputt						
	Louise						
2	Edna-Cordele						
4	Sanado .						
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3							
33.	Identification of cotton growing stage						
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# EO DATA FOR AGRICULTURE INSURANCE

Damage assessment based only on EO data

- Relevant reduction of surveys cost
- Introduction of parametric insurance contracts based on EO-provided information

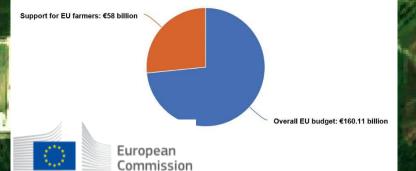
e-geos

# EO DATA FOR SUPPORTING AGRICULTURE POLICIES

### **BENEFITS**

- support farmers and improve agricultural productivity, ensuring a stable supply of affordable food
- help tackle climate change and the sustainable management of natural resources
  - maintain rural areas and landscapes across the EU

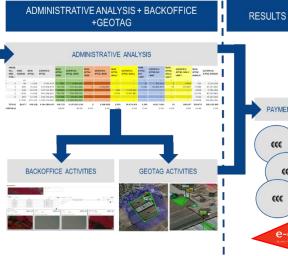
Support for EU farmers from overall EU budget in 2018



## **SATELLITE BASED SERVICES**

- Farmers activity markers
- Crop confirmation











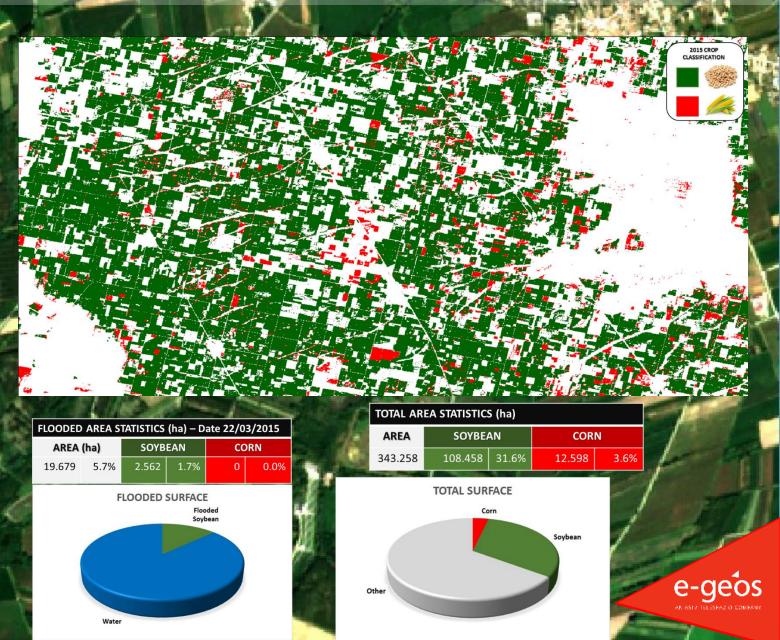
# EO DATA FOR COMMODITIES TRADERS

#### **BENEFITS**

- Identifies acreage of valuable crops
- Identify crop conditions and availability that can have impact on market price
- Better planning crop transportation

## **SATELLITE BASED SERVICES**

- Crop analytics
- Crop monitoring analytics





# e-geos platform collecting all services dedicated to agriculture

**WE SCAN THE EARTH** 

WE MONITOR THE CHANGES WE GIVE MAPS & REPORTS