

ANTONIO MOLLFULEDA

GNSS-R KEY ACCOUNT MANAGER



#UKSPACE2017



> 70 projects

GNSS-R



> 20 projects

Radar Systems



> 20 other projects

Optical images



Space technology

Space Applications

Products and Services



Urban Tree Canopy (UTC) status

The vast waters of the Tapajos river, Ar

#UKSPACE2017

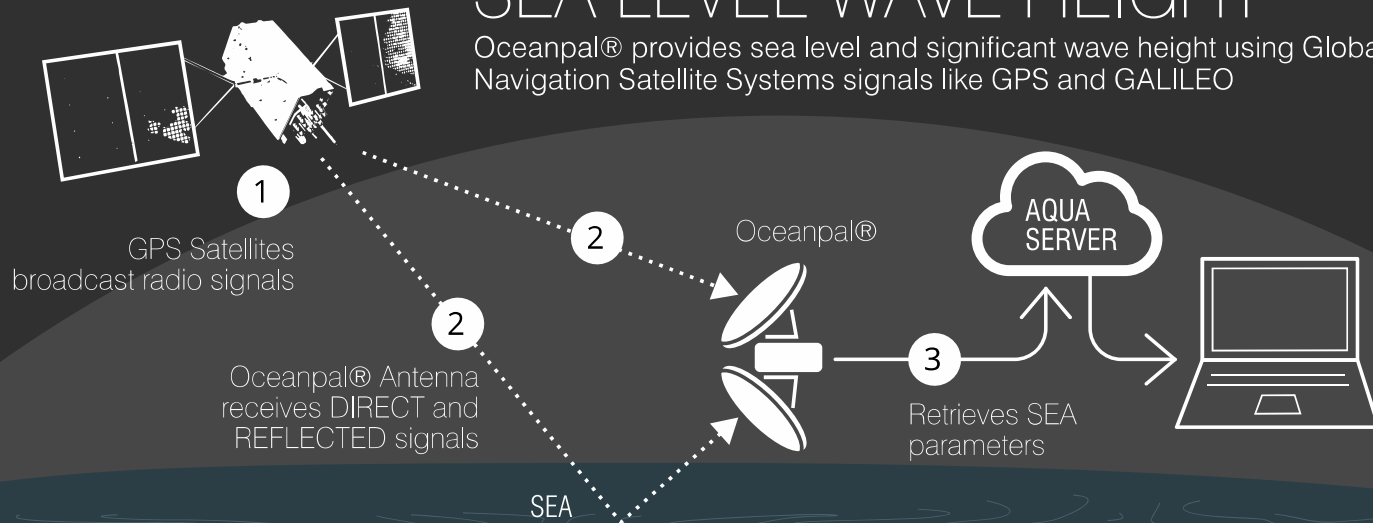
# GNSS-R Concept for remote sensing

High interaction of L-band signals with water and vegetation



## SEA LEVEL WAVE HEIGHT

Oceanpal® provides sea level and significant wave height using Global Navigation Satellite Systems signals like GPS and GALILEO



# GNSS-R activities for Land



- Research the interaction of L-band with vegetation.
- **LEiMON project**
  - Ground-based instrument
  - SM & vegetation
- **GRASS project**
  - Airborne sensor
  - SM maps
  - Biomass monitoring

**NEW  
SERVICE**



HORIZON 2020

- **Innovation Action (IA)**
- **Identify business opportunity**
- **Exploitation of GALILEO Signals**
- **Preparation of services**
- **Standardization**

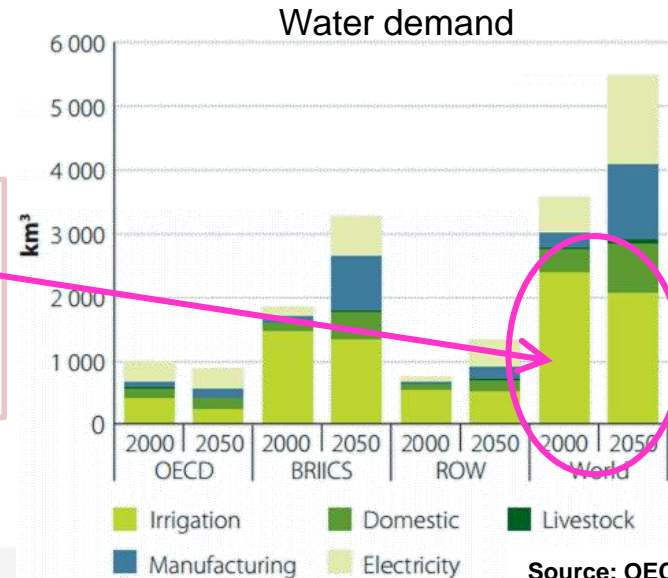


# The User needs



- Water demand will grow by 45% by 2030

Agriculture is the biggest freshwater consumer (70% of all freshwater)

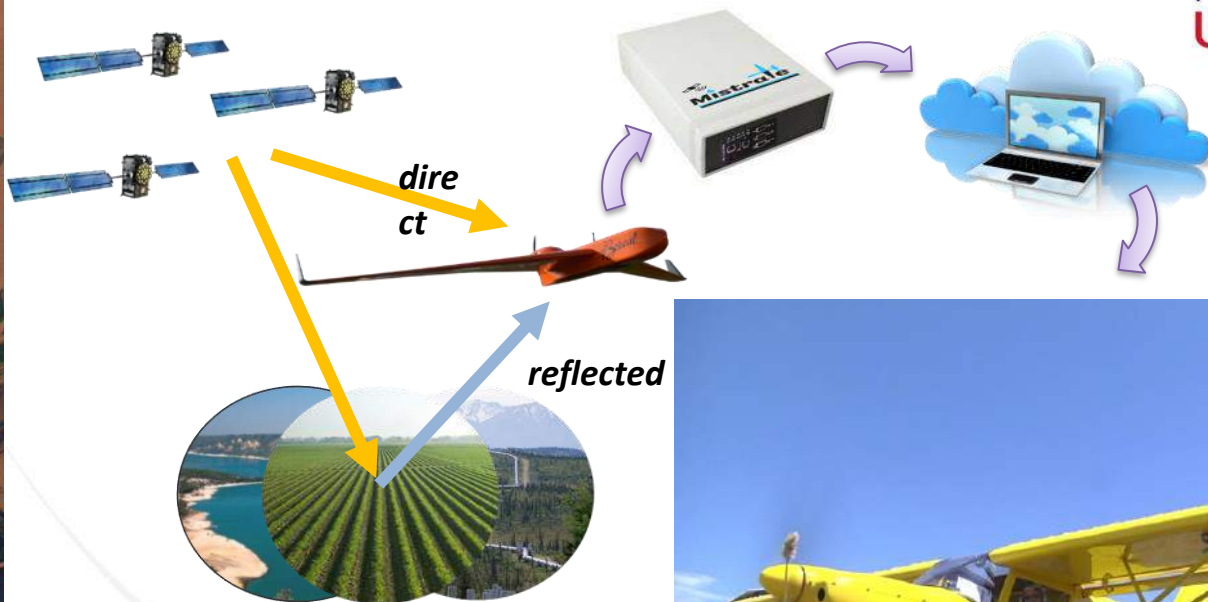


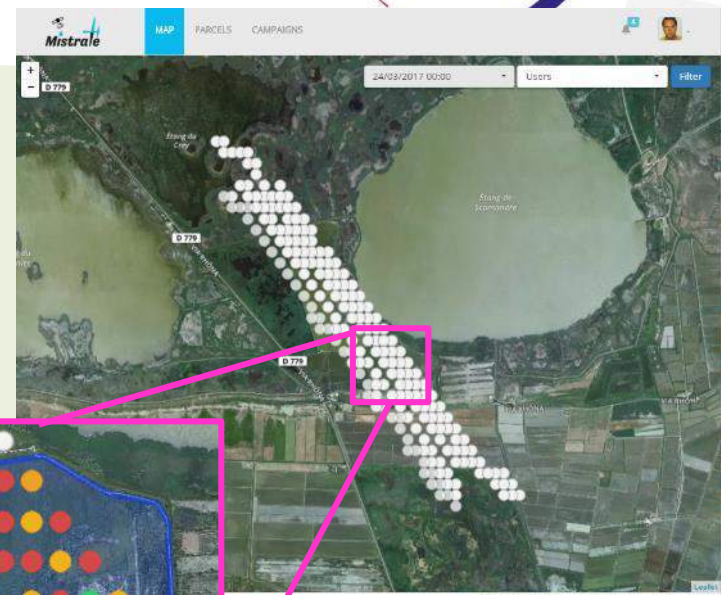
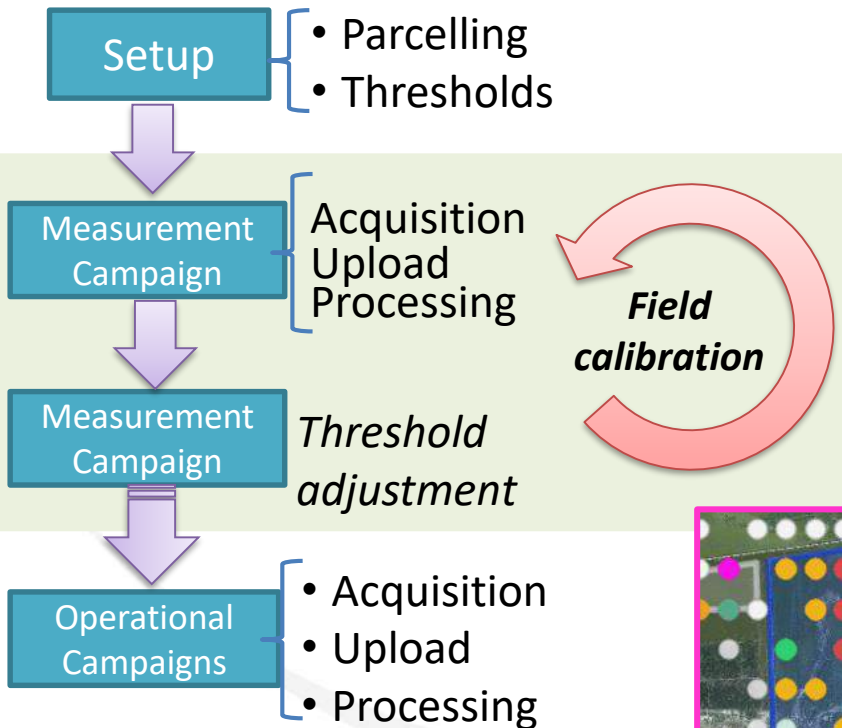


The vast waters of the Tapajos river.



# What is MISTRALE





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The vast waters of the Tapajos river.



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**Couldn't  
see it ?**





The vast waters of the Tapajos river.

**Thank you for your  
attention**



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