

WHEN SPACE MEETS AGRICULTURE

14-15 November 2016 | Matera, Italy



PRECISION AGRICULTURE DEVELOPMENTS IN BASILICATA: ALSIA CONTRIBUTION

FRANCESCO CELLINI
AGENZIA LUCANA DI SVILUPPO E DI INNOVAZIONE (ALSIA)
METAPONTUM AGROBIOS RESEARCH CENTER
DIRECTOR



Image from ESA Sentinel



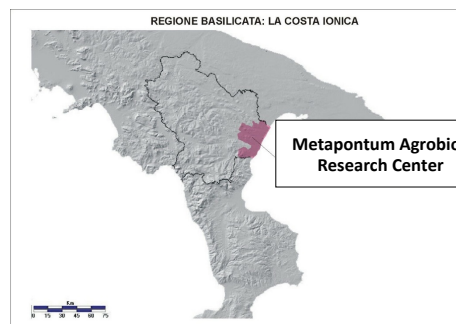
in collaboration with



and the support of



Metapontum Agrobios Research Center



- Since January 2013 is part of ALSIA.
- Inherits 27 years of experience and competences.
- Focus on Green Biotechnology:
 - Genomics tools and platforms
 - Molecular Breeding;
 - Plant Phenomics.
 - Sustainable agronomical practices



PRECISION FARMING: NEED OF PREDICTIVE MODELS



- **REFLECTANCE AND EMISSION IMAGING:**

- **PERFORM** non destructive and high throughput
- **DISSECT** specific plant stress responses
- **DETERMINE** specific stress proxies

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PLANT PHENOMICS AGROBIOS PLATFORM

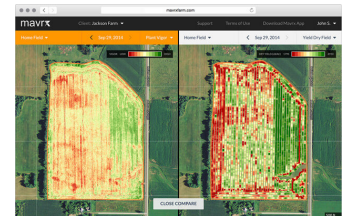
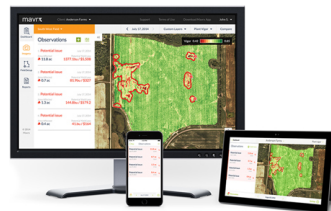


- NIR for Roots
- LAN and Data Elaboration Center

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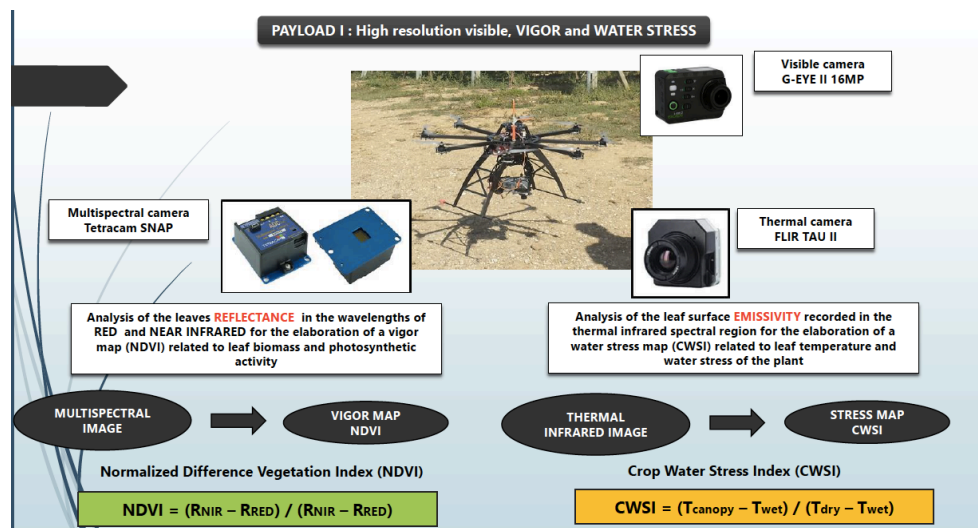
TOWARDS PRECISION FARMING: SOME EXPERIENCES



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TOWARDS PRECISION FARMING: SOME EXPERIENCES WITH UAV REMOTE SENSING



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TOWARDS PRECISION FARMING: DEVELOPING USER FRIENDLY INTERFACES

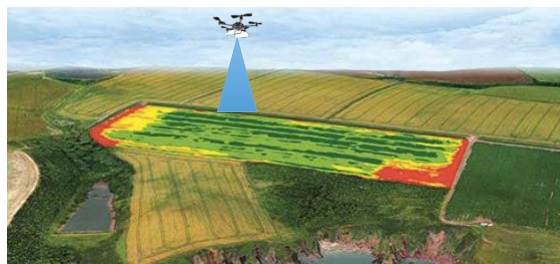


OLIVE FARM

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PRECISION FARMING: PERSPECTIVES



THE SMART FARM

A place where:

- **Young entrepreneurs** can find tools and resourcers to develop ideas in AgTech and Smart Farming solutions
- **Startups** can carry on-field live tests and connect with local farmers to scale-up their solutions
- **Farmers** can learn and adopt new technologies
- **Investors and corporations** can meet and connect with innovators and entrepreneurs

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MANY THANKS!

Francesco CELLINI
francesco.cellini@alsia.it
[@fracellini](https://www.instagram.com/fracellini)

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