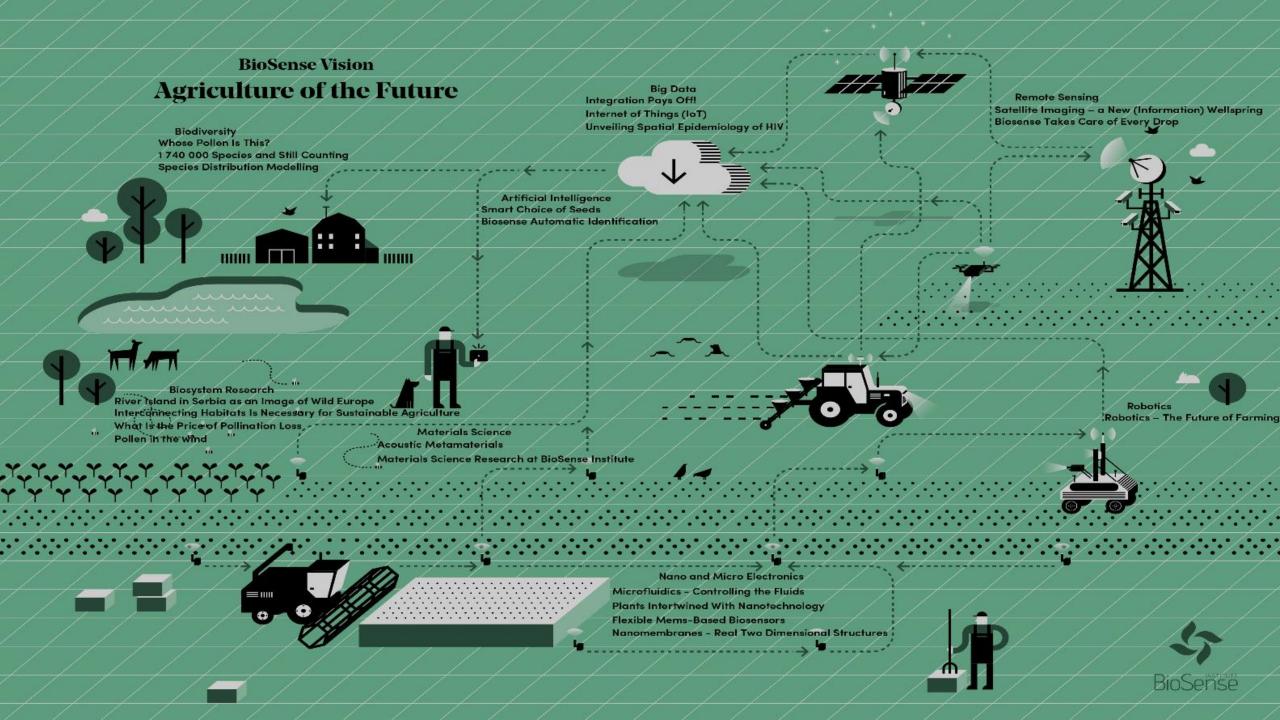
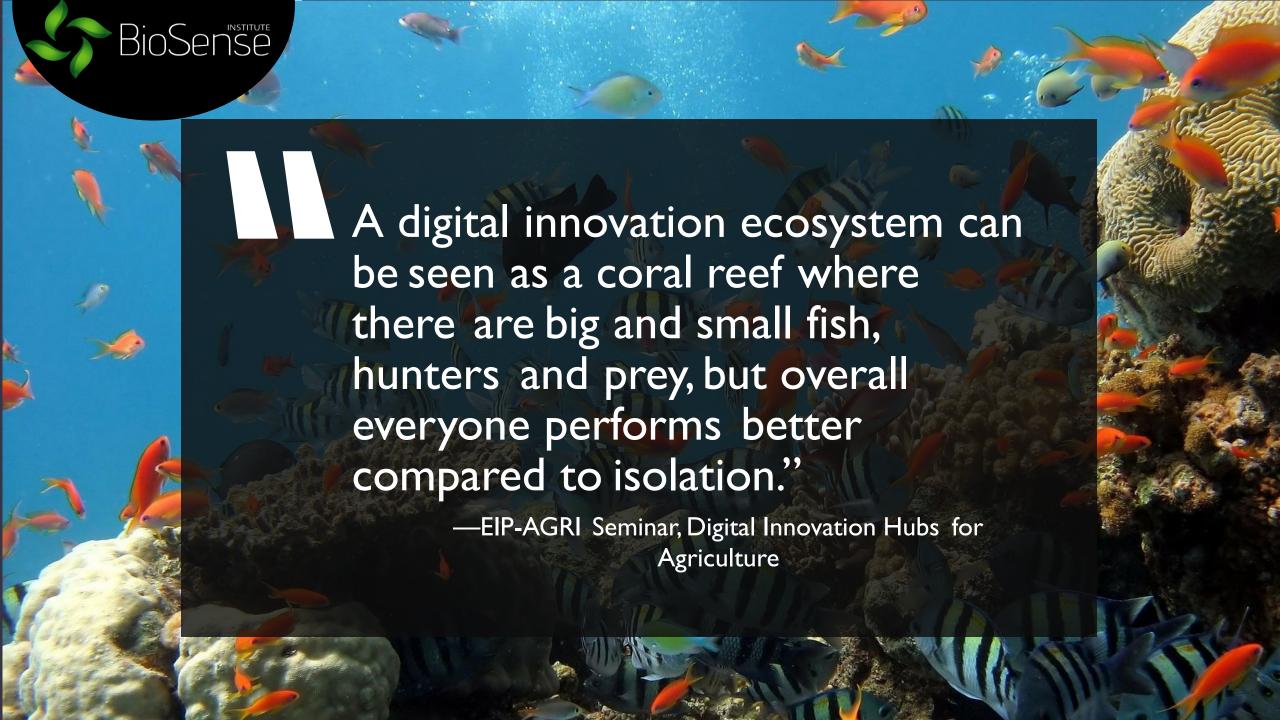
## Smart Farming

Grigoris Chatzikostas BioSense Institute







### **Smart Sowing Strategy**

#### What to plant where?







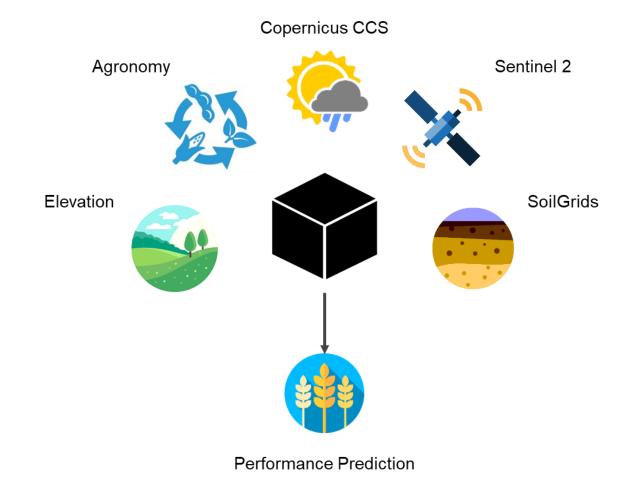






Atoms in Universe

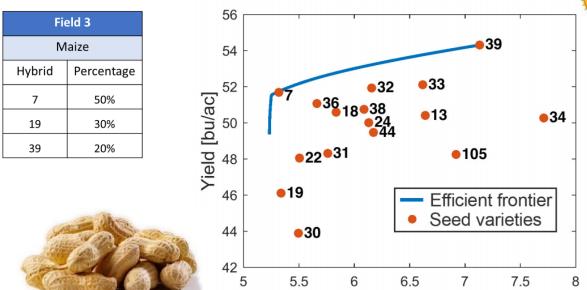
#### **Big Data Analytics**



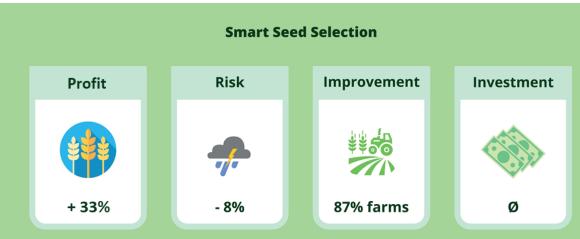




Big Data Analytics







4th place Syngenta Crop Challenge 2016
Ist prize Syngenta Crop Challenge 2017
CGIAR Inspire Challenge winners (2018)
Systems for soya (US), maize (Mexico) and multiple crops (Serbia)

Risk [bu/ac]

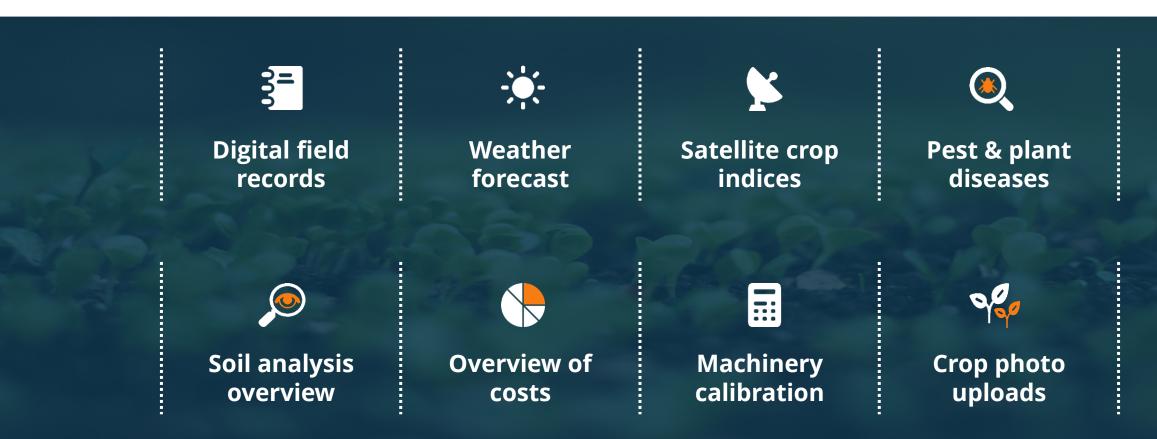




#### **AGROSENS PLATFORM AT GLANCE**

www.agrosens.rs

THE WEB AND MOBILE PLATFORM OFFERS VARIOUS FREE SERVICES FOR CROP MONITORING AND PRODUCTION MANAGEMENT









< BLOG

# Agtech is Booming in Belgrade and Novi Sad's Startup Ecosystem

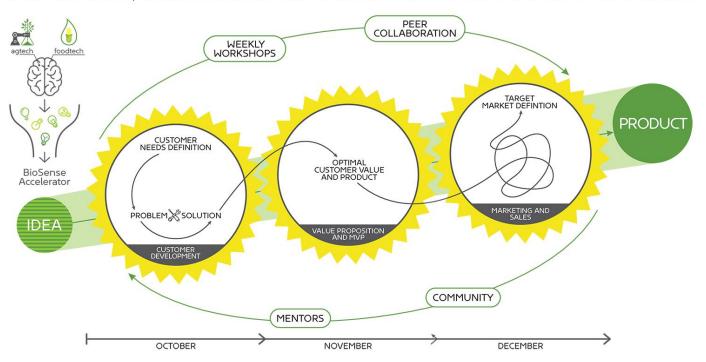
Agriculture, a traditional Serbian industry is going digital





## **Ecosystem Building**

BIOSENSE ACCELERATOR | BUILDING A THRIVING COMMUNITY OF INNOVATORS. DESIGNING THE FUTURE OF FARM TO FOOD VALUE CHAIN











Funding Opportunities





#### **BIOSENSE ACCELERATOR – Our Teams**



























#### €2.5 Million equity-free funding

OPEN CALL

100 winners receive €10k

OPEN CALL

15 teams receive €100k

Supporting services:



**Business Catalysts** 



Learning



Mentorship



Networking



Industrial Challenges 2.7 M €

> Open Call 1/08/20 31/10/20

3 Open Calls

Innovation Experiments 5.3 M €

Open Call 1 1/3/20 31/05/20

Open Call 2 21/12/20 31/03/21

- Address a need of the agri-food sector
- > Be based on robot technologies
- Have a local DIH as contact point
- Use the network of crossboarder services
- Provide feedback on the use of services
- Create videos to showcase the work done
- Promote agROBOfood in their network



This presentation is for informative purposes and is **not legal binding**. The only legal binding document is the **Guidelines for Applicants**, which is subject to approval from EC Services.



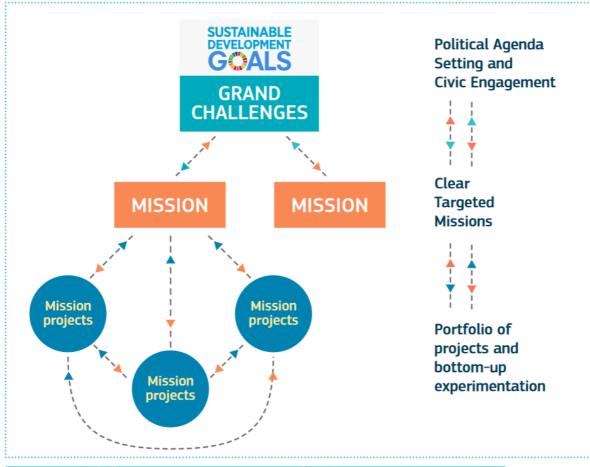
## What's next?







## Horizon Europe: SDGs, Missions and grassroots initiatives



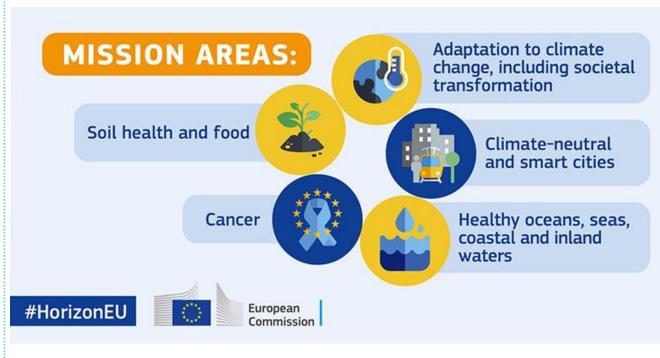


Figure 1. From Challenges to Missions Image: RTD - A.1 based on Mazzucato (2017)





## Thank you

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