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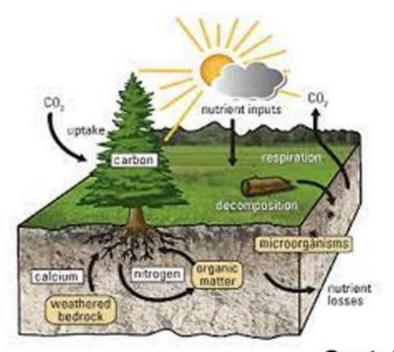
### **Proposal Outline**

1. Introduction

- 2. Presentations of the accepted Papers
- 3. Open discussion and closing remarks



Barcelona May 2024







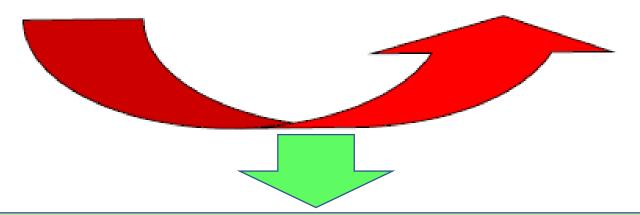




Barcelona May 2024

- Productivity
- Efficiency
- Breeding of new varieties
- Pest control
- Fertilization

- Effects on the environment
- Biological diversity
- Animal welfare
- Soil degradation
- Food, Fibers and Energy quality



Productivity - Resilience - Storage - Accessibility

#### **Topics of interest and Challenges**

- Sensors, signal and image processing
- Actuators in control process
- Innovation in modeling, simulation, and emulation
- Interoperability
- Internet of things
- Big data analysis, architectures and infrastructures
- Computer intelligence for sensors and actuators data analysis
- AI-soft sensors driven applications
- Competence transdisciplinary measurement
- Social business





#### Fields of interest

- Agriculture
- Business
- Economy
- Engineering

- Humanity
- Manufacturing
- Science
- Silage and grain storage

#### Session ALLSENSORS/STAAS I (on site)

78001 - Paulo Cruvinel: Using Light-Band Sensors for Stress Evaluation in Rainfed Maize Agricultural Crop

78005 - Sérgio da Silva Soares: Earth-Satellite Monitoring System for Storaged Grains

**Discussion** 

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#### **Session ALLSENSORS/STAAS II (virtual)**

- 78002 Alex Bertolla: Dimensionality Reduction for CCD Sensor-Based Image to Control Fall Armyworm in Agriculture
- 78004 Ladislau Rabello: Use Affordable Sensors to Investigate Aeration and Resistance to Plant Root Penetration for Soil Assessment
- 78006 Deniver Schutz: Real-time Detection and Reconfiguration of Sensors in Agricultural Sprayers Subject to Failures
- **Open discussion and Closing remarks**

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## Thank you all for participating in this Special Track!