VERDI 2024

2nd Workshop on Verification & Validation of Dependable Cyber-Physical Systems

This event is partly supported by the AGRARSENSE project that has received funding from the Chips Joint Undertaking (JU) under Grant Agreement No. 101095835 (project AGRARSENSE). The JU receives support from the European Union's Horizon 2020 research and innovation programme and Sweden, Spain, France, Ireland, Austria, the Netherlands, Italy, Poland, Germany, Norway, Finland, Latvia, Czechia, Türkiye.
VERDI is also partially supported by the Route 25 project (ref. TRB/2022/00061 - C645463824-00000063) funded by NextGenerationEU, within the Recovery and Resilience Plan (RRP).

AGRARSENSE

Smart, digitalized components and systems for data-based Agriculture and Forestry

The goal of the AGRARSENSE project is to develop sensor and decision-support technologies and enablers for smart farming with a holistic approach that is concretely demonstrated in seven use cases.

KEY FACTS

Start: **1. Jan 2023**
Duration: **36 months**
Total budget: **51 M€**
Number of partners: **50**
Number of countries: **14**
Coordinator:
Peter Assarsson, Komatsu Forest AB

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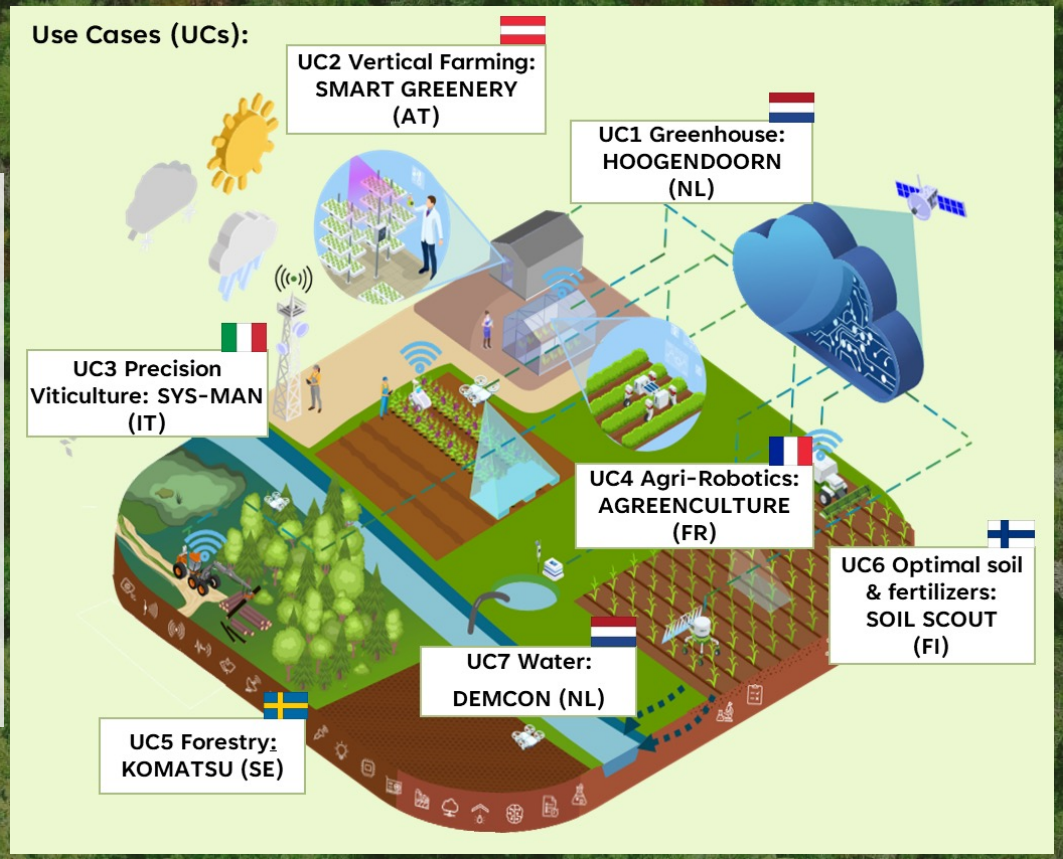

Technology Categories

- TC 1 HW: Plant, soil, water and safety, sensors, packaging, data HW
- TC2 ICT: Connectivity, data management, autonomous movement
- **TC 3 System: Safety, security and reliability and robotics platforms**

Route 25

Agenda for Autonomous, Intelligent, Interoperable and Inclusive Mobility

KEY FACTS

Route 25 will define the future of mobility by **"positioning Portugal at the forefront of intelligent and inclusive transportation technologies"**

Start: **1. Oct 2022**
Duration: **36 months**
Total budget: **32.6 M€**
Number of partners: **26**
Number of countries: **1**
Funding: **IAPMEI**
Ref: 02/C05-i01.01/2022.PC645463824-00000063
Project leader: **Capgemini Portugal, S.A.**

PRR Plano de Recuperação e Resiliência

REPÚBLICA PORTUGUESA

Financiado pela União Europeia NextGenerationEU

WP1	**Assisted and Autonomous Driving** for **Safe Mobility**
WP2	**Digital Experience & Adaptive Connectivity** for **Cooperative Mobility**
WP3	**Connected Infrastructures** for **Resilient and Inclusive Cities**
WP4	**Intelligent Infrastructures** for **Low-Carbon Intercity Mobility**

Program Comittee

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https://verdi-workshop.github.io/2024/program/

VERDI Program

	Morning
9:10	Keynote: **Juan Carlos Ruiz** On Improving the Robustness Of Convolutional Neural Networks Using In-Parameter Zero-Space Error Correction Codes
10:30	Morning Tea
11:00	**Robin Thunig** Hybrid Hardware/Software Detection of Multi-Bit Upsets in Memory
11:30	**Xiaolei Wang** Highly Comprehensive and Efficient Memory Safety Enforcement with Pointer Tagging
12:00	**Anil Ranjitbhai Patel** Enhancing Continuous Risk Assessment: The Role of Safety Engineers in Early Hazard Identification
12:30	Lunch

	Afternoon
13:30	**Mazen Mohamad** Cybersecurity Pathways towards CE-Certified Autonomous Forestry Machines
14:00	**Adam Bachorek** Virtual Evaluation of Dependability Attributes for Mission-Critical Cyber-Physical Systems
15:00	Afternoon Tea
17:00	Welcome Reception (KG Bar)