

A banner for the Centennial of the International Union of Soil Sciences (IUSS). The background is a cross-section of soil with roots. In the center is a white box with the IUSS logo and text: "100 years of SOIL SCIENCE past achievements and future challenges". To the left of the box, it says "Centennial of the IUSS". To the right, it says "Florence - Italy May 19 - 21, 2024". Below the box is the website "www.centennialiuiss2024.org". At the bottom, it lists speakers "Reynders Suzanne (INRAE) & Demenois Julien (Cirad)" and the platform "Impact4Soil: the online platform boosting international research collaboration". A small European Union logo and text are at the bottom right of the banner.

Centennial of the IUSS

100 years of SOIL SCIENCE past achievements and future challenges

Florence - Italy  
May 19 - 21, 2024

www.centennialiuiss2024.org

**Reynders Suzanne (INRAE) & Demenois Julien (Cirad)**  
Impact4Soil: the online platform boosting international research collaboration

 Impact4Soil was created thanks to the ORCaSa project, funded by the Horizon Europe programme under grant agreement n°101059863.

#### Abstract :

During this presentation, we will officially launch Impact4Soil, developed as part of the ORCaSa Horizon Europe project. It is the dedicated worldwide knowledge platform to address the critical challenges of soil carbon within the "Soil Carbon International Research Consortium". Impact4Soil is a science-based, aggregative and cooperative platform designed to meet the needs of scientists, practitioners, farmers and foresters, policymakers and funders from all over the world.

We apply scientific standards to verify, gather and share trustful information.

The platform will feature 5 services:

- Geospatial data
- Scientific evidence
- Network (of projects, initiatives, research institutions...)
- Practices
- Datasets

This will enabling users to :

- Access geographical information to increase transparency on historical, current and future trends of soil carbon stocks at different spatial scales,
- Access aggregated and up-to-date scientific data to make decisions,
- Access and contribute to aggregated and up-to-date scientific data on the impact of practices on soil carbon,

- Access to consolidated, quality-assessed and reusable data,
- Sharing and discovering practices and soil carbon management experiments,
- Have an up-to-date view of ongoing efforts to manage current soil carbon stocks,
- Develop their networks.

Impact4Soil will thus contribute to the involvement of soil scientists from all regions. It will facilitate knowledge exchange and collaboration among scientists from different regions, enabling collective efforts to address global soil challenges while respecting local contexts.