

SPIN-FERT Newsletter N°2

Amplifying the SPIN-FERT Voice: Communication, Dissemination and Outreach Activities
January-June 2025

Project Highlights

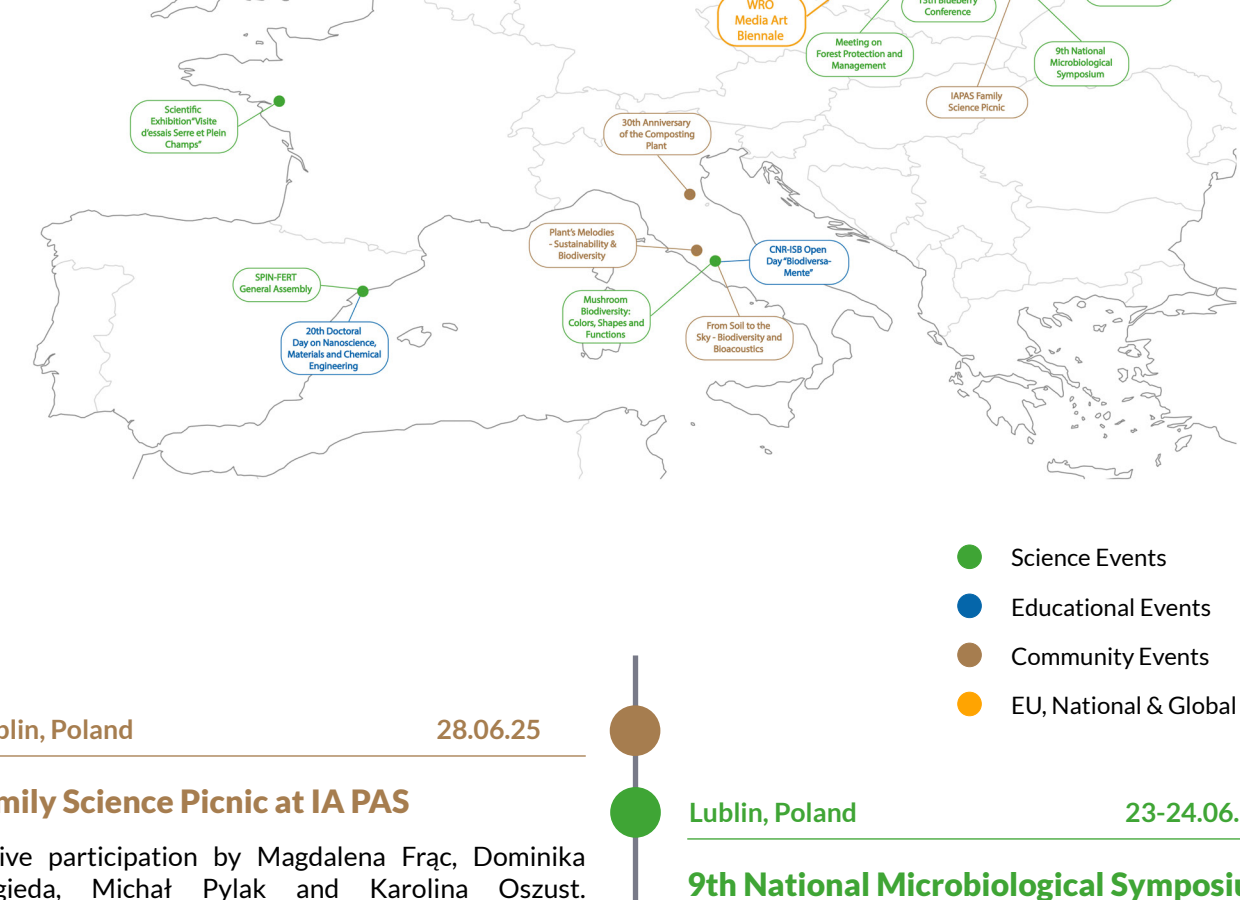
Innovation in Soil Health: SPIN-FERT focuses on biostimulants, agro-industrial waste utilization, and precision tools for soil analysis, including AI-supported soil assessment and lab-on-chip devices. These advancements help improve soil fertility and reduce chemical dependency in agriculture.

Collaborative Expertise: With 20 partners across Europe, SPIN-FERT promotes knowledge sharing and policy development to integrate sustainable practices into horticulture, benefiting communities and fostering ecological stewardship.

Welcome to SPIN-FERT's Latest News!

SPIN-FERT, funded under Horizon Europe, is paving the way for sustainable horticulture and enhanced soil health through innovative technologies and sustainable practices, with art as a communication and dissemination strategy and tool. From cutting-edge research on biostimulants and peat-free substrates to participatory art-science workshops and major international events, the first half of the year has been marked by vibrant collaboration and impactful outreach. This edition highlights key activities, including our presence at EC SITE 2025, the General Assembly in Tarragona, conferences and educational initiatives across Europe. Join us as we look back on the milestones that are shaping a greener, more resilient future for soil and society.

SPIN-FERT EVENTS



● Science Events

● Educational Events

● Community Events

● EU, National & Global Events

Lublin, Poland**28.06.25**

Family Science Picnic at IA PAS

Active participation by Magdalena Frąc, Dominika Siegieda, Michał Pylak and Karolina Oszust. Presentation of SPIN-FERT through an exhibition of growing media, posters and discussions with the public. The topic focused on the plant holobiont, soil microbiome and microgreens.

Carquefou, France**17.06.25**

Scientific Exhibition: “Visite d’essais Serre et Plein Champs – Site de Carquefou”

Organisation of a visit to SPIN-FERT experimental trials. Promotion of the project through posters and guided scientific exchange.

Bratoszewice, Poland**13.06.25**

National Field Days in Bratoszewice

Promotion of the SPIN-FERT project among participants of the national field days by K. Mrozińska and R. Kobierski.

Poland**6.06.25**

Invited Lecture: Encapsulation – Interdisciplinary Applications

Invited lecture on encapsulation technologies and their interdisciplinary applications in agriculture, cosmetology and pharmacy.

Białystok, Poland**2.06.25**

4th International Scientific Conference

“Dilemmas of Human Nutrition Sciences – Today and Tomorrow: Plant Diet – Benefits or Risks”

Lecture by Prof. Magdalena Frąc titled “Plant holobiont concept for healthy food production – preliminary research on microbiome transfer across microgreens compartments”. Presentation included SPIN-FERT research connected to WP4 and WP5.

Tarragona, Spain**28.05.25**

20th Doctoral Day – Nanoscience, Materials and Chemical Engineering

Poster presentation titled “Development of Sustainable Encapsulation Technologies for Agricultural Applications” during the doctoral programme at Universitat Rovira i Virgili.

Montelibretti, Rome, Italy**21.05.25**

From the Soil to the Sky: Biodiversity and Green Bioacoustics

Workshop introducing biodiversity and sustainability through sound signals and music generated from plants using electrical conductivity. Focus on soil health and ecological awareness.

Wrocław, Poland**16.05.25**

Breath of Soil: Memory Nexus – 21st WRO Media Art Biennale

Workshop held during the WRO Media Art Biennale, combining soil science, art and sensory engagement.

Montelibretti, Rome, Italy**15.05.25**

Mushroom Biodiversity: Colors, Shapes and Functions

Presentation on fungal biodiversity, ecological functions and experiences from the PNRR-NBFC and SPIN-FERT projects, highlighting fungi as key organisms in soil ecosystems.

Warsaw/Skierniewice, Poland**12-13.05.25**

The EU Innovation Journey ’25 Conference

Conference organised by Poland’s National Centre for Research and Development and commissioned by the European Innovation Council. During the site visit to InHort, SPIN-FERT workshops engaged participants in “Memory Nexus” and “Compost Senses and Music” activities.

Lublin, Poland**23-24.06.25**

9th National Microbiological Symposium: Metagenomes of Different Environments

Scientific conference organised by UMCS in Lublin. Promotion of SPIN-FERT through roll-ups and leaflets (Intermag). Focus on microbiological diversity across environments.

Faenza, Italy**13.06.25**

30th Anniversary of the Composting Plant

Celebration of the 30th anniversary of the first composting plant built by Caviro in 1995. The event included a technical conference for farmers with contributions from the Italian Composting Consortium (CIC) and the University of Bologna. The opening address was delivered by the President of the Emilia-Romagna Region. The event highlighted circular economy strategies.

Warsaw, Poland**6.06.25**

Meeting with Representatives of the Ministry of Agriculture

E. Malusa and M. Tartanus (InHort) participated in a meeting with representatives of the Ministry of Agriculture concerning the promotion of the SPIN-FERT project at ministry-organised events.

Warsaw, Poland**3-5.06.25**

EC SITE 2025 Conference – Copernicus Science Centre

Europe’s premier annual conference for science engagement professionals. SPIN-FERT contributed through the Grand Bazaar (Memory Nexus session) and the panel discussion “Rethinking the Care of Water and Soil from the Perspective of Female Researchers and Artists”.

Online**29.05.25**

Webinar: Social Sciences, Humanities and Art in Natural Sciences and Mission Soil

Invited presentation by Joanna Hoffmann on SPIN-FERT art & science communication during a webinar organised by the National Centre for Research and Development.

Puławy, Poland**27-28.05.25**

Scientific Conference: Microbiological Preparations in Agriculture and Environmental Protection

Conference organised by JUNG PAN in Puławy. Poster presentation: “Microbial biostimulants and the transformation of agriculture: towards peat-free crops through science–industry collaboration” (Intermag).

Viterbo, Italy**18.05.25**

Plants’ Melodies: Sustainability, Biodiversity and Music from Plants’ Biosignals

Science communication and dissemination event combining art and science, featuring music generated from plant biosignals.

Wrocław, Poland**16.05.25**

21. WRO Media Art Biennale

Preparation and display of posters supporting the Memory Nexus workshops. Distribution of informational postcards as part of science-art communication activities.

Montelibretti, Rome, Italy**15.05.25**

From the Soil to the Sky: Biodiversity and Green Bioacoustics

Educational workshop introducing students to biodiversity, sustainability and soil health through sound-based approaches using plant electrical conductivity.

Wageningen, The Netherlands**8-10.04.25**

SOIL HEALTH NOW Conference by AI4SOILHEALTH

SPIN-FERT presented during the demo session by Loredana Canfora (CREA), Julia and Kabiru (ATB), focusing on soil health innovation.

Online**27.03.25**

Lecture for International Students of Life Science University (SGGW)

Lecture by Prof. Magdalena Frąc on soil and plant microbiomes supporting sustainable strategies for healthy food production, including presentation of the SPIN-FERT project.

Poznań, Poland**17.03.25**

The Breath of Soil: Memory Nexus Workshop for Art Students

Interdisciplinary workshop organised by FASSF/ASN for students of the University of Arts in Poznań, combining natural sciences with artistic exploration.

Ożarów Mazowiecki, Poland**6-7.03.25**

13th Blueberry Conference

Conference organised by Hortus Media. Presentation of SPIN-FERT aims and activities by Dr hab. Małgorzata Tartanus.

Gdańsk, Poland**28.02.25**

Invited Lecture during Seminar at the University of Gdańsk

Lecture by Prof. Magdalena Frąc entitled “Microbiomes in agroecosystems – the importance of the plant holobiont and soil microbiomes for the development of sustainable strategies of crop cultivation”.

Warsaw, Poland/Online**7-8.04.25**

Scientific Conference: New Genomic Techniques in Poland

Conference organised by the Committees of Biotechnology and Agronomic Sciences of the Polish Academy of Sciences. Promotion of SPIN-FERT through roll-ups and leaflets (Intermag).

Online**20.03.25**

food4sustainability

Lecture by Loredana Canfora (CREA) on innovative molecular tools for tracking microbial inoculants in soil and supporting their application.

Brussels, Belgium**17.03.25**

Advancing Food Systems in Europe: Research & Innovation for a Sustainable Future

Invited lecture by Prof. Magdalena Frąc titled “Soil and plant microbiomes to support sustainable strategies for healthy food production”, including presentation of SPIN-FERT research linked to WP4 and WP5.

Łódź/Nagórzyce, Poland**5.03.25**

Meeting on Forest Protection and Management

Presentation of SPIN-FERT aims and activities by Dr hab. Małgorzata Tartanus at the Forest Training Centre of the Regional Directorate of State Forests.

Chiba, Japan**6.02.25**

ADVANCING FOOD SYSTEMS IN EUROPE – PolSca PAS and NCBR

Prof. Magdalena Frąc delivered the lecture “Fungal microbiome as a key component of ecosystems impacting plant, food and human health”, presenting also the SPIN-FERT project. This activity is connected with WP4 and WP5 research of seeds, biostimulants, growing media, soil and plants.

PUBLICATIONS

Media Article

“SPIN-FERT: revolutionising soil management and substituting peat for sustainable agriculture. Soil fertility and peat substitution”

Media Article

“Eurecat Tarragona will create optimized microcapsules to improve soil fertility”

Media Article

“Eurecat desarrollará microcápsulas optimizadas para mejorar la fertilidad del suelo”

Video

Memory Nexus video animation

Video

Caviro Circular Economy


Video

Boden um 7

SPIN-FERT CONSORTIUM

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