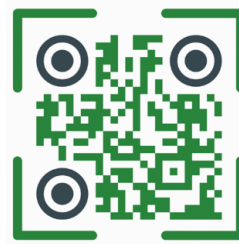


# DeliSoil

Delivering soil improvers from circular food production processes to boost soil health



CATALOGO NAZIONALE DELLA  
FORMAZIONE PROFESSIONALE  
CONTINUA DEI DOTTORI AGRONOMI  
E DEI DOTTORI FORESTALI  
ACCREDITAMENTO 11600 ANNO 2026

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## Training course:

# “Regulation, Legislation and Safety of Soil Improvers in Agriculture and Food Processing”

### Organizers:

Nelson Marmiroli (CINSA, Parma, Italy) and Annamaria Bevivino (ENEA, Rome, Italy)

With the cooperation of the University of Florence and Ordine Nazionale dei Dottori Agronomi e dei Dottori Forestali

10th April 2026

Auditorium Morgagni, University of Florence, Italy

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### PROGRAM:

9:00 – 9:30 Welcome from Renato Ferretti, Dr. Agr., Vicepresidente CONAF

- 09:00–09:15 Welcome and Introduction to the Training Course (Prof. N. Marmiroli CINSA and Prof. A. Bevivino ENEA)
- 09:15–09:30 DELISOIL Project Presentation (Dr. A. Palojarvi, LUKE)

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9:30–11:00 **Session 1: EU Regulatory Framework**

- 09:30–9:50 Fertilizers and Soil Improvers: European Legislation with reference to Regulation (EU) 2019/1009 and National Legislation (Dr. A. Nerini – EXPEDIA MRCC/IBMA Italia)
- 09:50–10:10 Microbial-based biofertilisers: From lab to field to market – Challenges in biosafety, risk assessment and field efficacy (Prof. A. Bevivino – ENEA)
- 10:10–10:30 Market Access in the EU regulatory pathways and key requirements under Regulation (EC) No. 1107/2009 and market trends (Dr. A. Nerini – EXPEDIA MRCC/IBMA Italia)
- 10:30–11:00 Discussion, Chairpersons: Prof. N. Marmiroli and Prof. A. Bevivino



11:00 – 11:30 COFFEE BREAK

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## 11:30–13:30 Session 2: Soil Health Assessment: Key Indicators and Methodologies

- 11:30–11:45 The point of view of EU (Prof. N. Marmiroli CINSA)
- 11:45–12:00 The American vision (Prof. J. White USA)

### INSIGHTS:

- 12:00–12:15 Soil biological indicators for monitoring soil health (Dr. S. Mocali, CREA)
- 12:15–12:30 Application of Soil Monitoring Law (Dr. F. Assennato, ISPRA)
- 12:30–12:45 Case Study: Impacts on soil health of soil improvers derived from agri–food processing residues: a systematic review (Prof. M. Caldara, CINSA)
- 12:45–13:00 Case Study: A Data Mining Approach to Support Sustainable Agriculture Across the EU (L. Nolfi & A. Bindo, ENEA)
- 13:00–13:15 Discussion, Chairpersons: Prof. J. White, Dr. S Mocali and Dr. F. Assennato



13:15–14:30 LUNCH

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## 14:30 – 16:30 Session 3: Sustainable Soil Improvers: Technologies, Risk Assessment, and Biosafety Challenges

- 14:30 – 14:45 Food–industry processing residue streams: technologies and demonstrations with LLs and lighthouses (Dr. P. Rizzo, UVIC)
- 14:45 – 15:00 Risk Assessment of Soil Improvers (Dr. T. Salo, LUKE) –
- 15:00 – 15:15 Biosafety Evaluation of Soil Improvers (Dr. M.P. Sousa Oliveira, ULE, on–line)
- 15:15 – 15:30 Challenges and Potential Transmission of Antibiotic Resistance Genes (ARGs) in Agriculture (Dr. A. Visca, ENEA)
- 15:30 – 15:45 Discussion, Chairpersons: Dr. T. Salo and Dr. P. Rizzo
- 15:45 – 16:10 Closing, Conclusion and Project direction (Dr. A. Palojarvi, Prof. N. Marmiroli and Prof. A. Bevivino)
- 16:10 – 16:30 – On–site evaluation test

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### Organising committee:

**CINSA:** Nelson Marmiroli, Marina Caldara, Luca Pagano, Elena Maestri, Caterina Agrimonti, Sara Graziano

**ENEA:** Annamaria Bevivino, Nicola Colonna, Silvia Tabacchioni, Luciana Di Gregorio, Andrea Visca, Manuela Costanzo, Lorenzo Nolfi, Arianna Bindo



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