SUSTAIN

EU Law on Sustainable and Climate-Resilient
Agriculture after the European Green Deal

EU law
on Digital Agriculture

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15 - 19 November 2021

Jean Monnet Module SUSTAIN
Winter School

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Introduction

The interdisciplinary winter school "EU law on Digital Agriculture" will be held on 15-19 November 2021, for a total amount of 40 hours of training, delivered in blended learning and organised by the Sant'Anna School of Advanced Studies.

The Winter School is part of the Jean Monnet Module SUSTAIN "EU Law on Sustainable and Climate-Resilient Agriculture after the European Green Deal" co-funded under the Erasmus+ programme (620734-EPP-1-2020-1-IT-EPPJMO-MODULE) and coordinated by professor Mariagrazia Alabrese.

The European farming and food system has to deal with a complex set of global and regional challenges, from climate change and environmental degradation to inequality in the supply chain. These issues require profound transformations in the way we produce, market, and sell agricultural products. Food sustainability requires a transition from current linear food production to cyclical oriented systems. Innovation will be crucial to support the transformation of agri-food systems. The law and policy framework for digital agriculture and the technical and economic aspects for implementation of smart agriculture will be explored during the Winter School. The Winter School will discuss the connections between innovation, sustainability, and climate change policy. E-innovation and ICT for sustainable and climate-resilient agriculture will be addressed from an interdisciplinary perspective, including law, economics, computer sciences, and agricultural engineering.

The Winter School will consist of lectures, seminars, discussions, role playing and simulation games. Case studies sessions and Q&A sessions will be planned in order to stimulate the exchanges between trainers and trainees, promoting the creation of a network among all the participants within an interdisciplinary environment. The case studies sessions will host guests from the EU Institutions and from the agri-food industry.

Course Aim

The participants will acquire a wide understanding of the EU regulatory technology framework for building a healthier, fairer, and more sustainable and climate-resilient agri-food system. By the end of Winter School, participants will:

- handle the policy framework on digital agriculture and smart farming in the EU;
- be aware of the European rules on using and sharing agricultural data;
- manage the principles of e-business and its practice in the agricultural sector;
- understand the challenges in establishing a digital traceability of agri-food practices.

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Target group

Undergraduates, post-graduate and PhD students (in Law, Politics, International Studies, Agricultural Sciences, Computer Science, amongst other fields), as well as professionals (such as lawyers, international/regional organisation officers, public servants working on agricultural and rural development, agricultural engineers), who are looking for cross-disciplinary learning opportunities, would find the course most suitable.

Main topics

Framing Digital Agriculture in Europe: An overview of the legal and policy framework for digital agriculture at the international and EU level will be provided. The conceptual paradigm of smart agriculture in the EU will be explored through an analysis of the Common Agricultural Policy, the European Green Deal, and the Farm to Fork Strategy. Challenges and opportunities of the agri-food sector 'going digital' will be discussed.
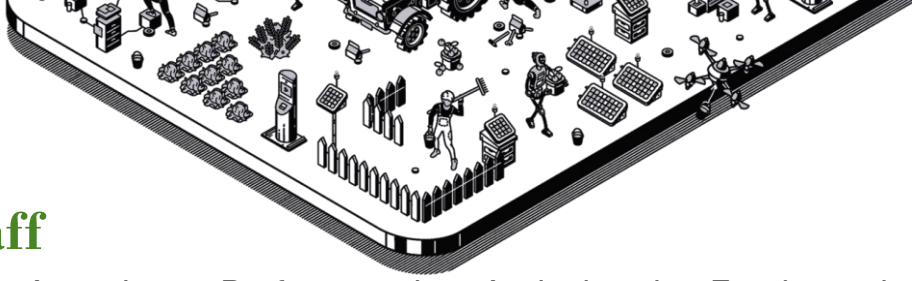
Using and Sharing Agricultural Data: The analysis of the rules on using and sharing non-personal agricultural data in the EU will be carried out. The rights regarding such data, the related markets, their legitimate use, and the protection of farmers' interests will be explored.

E-innovation for sustainable and climate-resilient agriculture: Key strengths in improving sustainability and meeting environmental challenges will be explored. Case-study analysis, best practices, and promising solutions will be presented through a multidisciplinary exchange of knowledge on the application of digital innovations towards the sustainable development of the agri-food value chain.

ICT application framework for sustainable and climate-resilient agriculture: The role of key enabling technologies will be addressed in achieving food security and inclusive rural development in a context of climate variability, and the willingness to meet the SDGs.

Tracking Sustainability in Agriculture: The implementation of different instances will be analysed that allow real digital traceability of agricultural practices and transmitting data in real-time among the actors involved in the agri-food system.

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Key Teaching Staff

Mariagrazia Alabrese, Associate Professor in Agricultural, Food and Environmental Law at the Sant'Anna School of Advanced Studies, Italy

Manlio Bacco, Researcher in Computer Science at the Institute of Information Science and Technologies, CNR, Italy

Gianluca Brunori, Professor in Food Policy at the Department of Agriculture, Food and Environment, University of Pisa, Italy

Manuel David Masseno, Assistant Professor in Business Law at the Polytechnic Institute of Beja, Portugal

Laura Ricci, Associate Professor in Computer Science at the Department of Computer Science, University of Pisa, Italy

Andrea Saba, Post-doctoral Researcher in Agricultural, Food and Environmental Law at the the Sant'Anna School of Advanced Studies. and Adjunct Professor in Wine Law at the University of Sassari, Italy

Key Speakers

Priscila Andrade, UNIDROIT; **Daniel Azevedo**, Commodities and Trade, Copa-Cogeca; **Giovanni Comandé**, Institute of Law, Politics and Development, Sant'Anna School of Advanced Studies; **Esther Muñiz Espada**, University of Valladolid, Spain; **Marie-Agnès Jouanjean**, Agriculture and Food Global Practice, Data-Driven and Digital Agriculture, World Bank; **Pamela Lattanzi**, Department of Law, University of Macerata; **Doris Marquardt**, DG Agriculture and Rural Development, European Commission; **Anna Camilla Moonen**, Institute of Life Sciences, Sant'Anna School of Advanced Studies; **Claudia-Silviana Mureşan**, Development and Applications, DG Defense Industry and Space, European Commission; **Silvia Rolandi**, Department of Agriculture, Food and Environment, University of Pisa; **Graziella Romito**, Italian Ministry of Agriculture MiPAAF; **Tomi Sirén**, Digital and Technological Innovation, Arla Oy; **Gerard Sylvester**, Digital Agriculture, FAO; **Philine Wehling**, UNIDROIT; **Huawei Technologies Co Ltd**, and **Tessa Agritech Srl**.

More speakers (from academia, institutions, and companies) to be announced soon.

Certificate of Attendance and ECTS

A Certificate of Attendance (including University Credits) will be issued at the end of the Winter School. Training credits are envisaged for Italian professionals.

Application and Registration

Registration fee: 250 Euro. Please visit **www.sustain.santannapisa.it**
The final deadline for applications is 22nd October 2021, 23:59.

Sant'Anna
Scuola Universitaria Superiore Pisa

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