



Federal Ministry  
of Food  
and Agriculture

EURAGRI



# Conference programme

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Digital Transformation of the Agricultural  
Value Chain – Opportunities, Challenges  
and the Role of Science

2 – 3 December 2020, Berlin (Germany)



# A conference under the German Presidency of the Council of the European Union, jointly organised by the German Federal Ministry of Food and Agriculture (BMEL) and the European Agricultural Research Initiative (EURAGRI).

The digitalisation of agriculture is transforming agricultural primary production and the food sector. All actors across the whole value chain up to the consumer are affected by this transformation. The numerous digital innovations in the agricultural and food sector have the potential to contribute to sustainable food production, enhance animal welfare, combat climate change, improve global food security and promote biodiversity.

Beside technological developments, science has an important role to play in critically reflecting and assessing the sustainability of digital innovations. With regard to a governance framework for agricultural data, it is necessary to implement guidelines and/or rules that take into account fundamental data principles while ensuring legal certainty for farmers.

The German Federal Ministry of Food and Agriculture (BMEL) hereby joins EURAGRI in inviting you to address and discuss the various dimensions of digitalisation of agriculture.

The main questions to be discussed are:

- What kind of initiatives, strategies and policies do we have in Europe with regard to the digitalisation of the agricultural value chain? What can we learn from each other?
- Which rules and/or guidelines for agricultural data should be implemented at the EU level?
- How can digital innovations be connected to sustainability along the whole agricultural value chain?

## **Important:**

**Originally planned as a pure physical event, due to the COVID-19 pandemic now the conference will be carried out mainly virtual.**



## Day 1: Wednesday 2<sup>nd</sup> December

10:00 10:00 am (CET)	<b>Beginning of the conference</b>	
10:00 10:00 am (CET)	<b>Welcome</b> <ul style="list-style-type: none"> <li>• <b>Julia Klöckner</b>, German Federal Minister of Food and Agriculture</li> <li>• <b>Dr. Wolfgang Bartscher</b>, Director-General at the European Commission, DG AGRI</li> <li>• <b>Prof. Gerry Boyle</b>, EURAGRI</li> </ul>	
10:30 10:30 am (CET)	<b>Setting the scene – opening addresses</b> <ol style="list-style-type: none"> <li>1. Challenges and opportunities of digitalisation in the agricultural value chain – A governance perspective. <b>Prof. Dr. Peter H. Feindt</b>, Humboldt-Universität zu Berlin</li> <li>2. EU level initiatives and policies concerning digitalisation in the agricultural value chain. <b>Kerstin Rosenow</b>, EU Commission, DG AGRI</li> <li>3. Enabling innovation and providing guidelines – A governance framework for agricultural data. <b>Prof. Dr. José Martinez</b>, University of Göttingen</li> <li>4. Q &amp; A / discussion</li> </ol>	
12:00 12:00 pm (CET)	<b>Lunch break and online networking</b>	
13:30 1:30 pm (CET)	<b>Track 1:</b> <b>Sustainable digital transformation of the agricultural value chain</b> <b>Different perspectives: State of play</b> <ul style="list-style-type: none"> <li>• Farming 4.0 - The necessity of change: <b>Milica Trajkovic</b>, BioSense Institute</li> <li>• Up-stream sectors: How can digital transformation foster sustainability in primary production of biomass? <b>Prof. Dr. Cornelia Weltzien</b>, Leibniz Institute for Agricultural Engineering and Bioeconomy (ATB)</li> <li>• Down-stream sectors: Digitalisation and automation in the food industry - Implications for skills and science. <b>Karen Hamann</b>, IFAU Institute for Food Studies &amp; Agroindustrial Development ApS</li> <li>• Digitalisation shaping the consumer landscape: <b>Prof. Dr. Nesli Sözer</b>, Technical Research Centre of Finland (VTT)</li> <li>• Research and Innovation: How to build trust for the digital transformation of the agricultural value chain. <b>Dr. Jürgen Vangeyte</b>, Flanders Research Institute for agriculture, fisheries and food (ILVO)</li> <li>• Q &amp; A / discussion</li> </ul>	<b>Track 2:</b> <b>A governance framework for agricultural data</b> <b>Responding to current challenges</b> <ul style="list-style-type: none"> <li>• A governance framework for agricultural data <b>Dr. Klaus Heider</b>, BMEL</li> <li>• A European Strategy for Data - Implications for the agricultural sector and agricultural policies <b>Dr. Doris Marquardt</b>, European Commission, DG AGRI</li> <li>• Ensuring the farmers' data sovereignty <b>Pekka Pesonen</b>, <b>Daniel Azevedo</b>, COPA COCEGA</li> <li>• Toward trusted farm data sharing practices <b>Dr. Simone van der Burg</b>, Wageningen University &amp; Research (WUR)</li> <li>• Lessons learnt – insights from Australia <b>Prof. Leanne Wiseman</b>, Griffith University</li> <li>• Q &amp; A / discussion</li> </ul>

15:30 3:30 pm (CET)	<b>Coffee break and online networking</b>	
16:00 4:00 pm (CET)	<b>Track 1:</b> <b>Sustainable digital transformation of the agricultural value chain</b> <b>Shaping the future: Discussion</b> What is needed from policymakers (EU/national level) to make the digital transformation of agriculture a success for all stakeholders? Moderation: <b>Prof. Dr. Engel Hessel</b> , BMEL  17:00 End of Day 1 in Track 1 5:00 pm (CET)	<b>Track 2:</b> <b>A governance framework for agricultural data</b> <b>Deep dive</b> <ul style="list-style-type: none"> <li>Agricultural data: Diversity of players, data relations and data categories  <b>Dr. Katarzyna Kosior</b>, National Research Institute Poland</li> <li>Legal strategies to establish a well-ordered agricultural data space  <b>Dr. Alexander Duisberg</b>, Bird &amp; Bird LLP</li> <li>Data ownership, data sharing and access rights  <b>Can Atik</b>, Tilburg Law School</li> <li>Promoting Data Sharing in the EU: A Regulatory and Antitrust Perspective  <b>Dr. Martina Anzini</b>, Centre for European Policy (cep)</li> <li>Q &amp; A / discussion</li> </ul>
18:00 6:00 pm (CET)	<b>End of Day 1</b>	

## Day 2: Thursday 3<sup>rd</sup> December

09:00 9:00 am (CET)	<b>Beginning of Day 2</b>	
09:00 9:00 am (CET)	<b>Track 1:</b> <b>Sustainable digital transformation of the agricultural value chain</b> <b>Future trends: Part 1</b> <ul style="list-style-type: none"> <li>The digitalisation of agriculture – Challenges for advisory services.  <b>Dr. Tom Kelly</b>, Teagasc</li> <li>Transforming the organisation of value creation and business models in the digitalisation of agriculture.  <b>Prof. Dr. Cynthia Giagnocavo</b>, University of Almeria</li> <li>Enhancing trust in the food system with block chain technology – Strengths and vulnerabilities.  <b>Chris Addison</b>, CTA</li> <li>A safe and just operating space for the bioeconomy: The role of digitalisation in the 5<sup>th</sup> SCAR foresight report.  <b>Prof. Gianluca Brunori</b>, Università di Pisa</li> <li>Q &amp; A / discussion</li> </ul>	<b>Track 2:</b> <b>A governance framework for agricultural data</b> <b>Policy forum</b> <ul style="list-style-type: none"> <li>Introduction</li> <li>Presentation: Report on European Guidance and Rules for Agricultural Data by Prof. Ines Härtel</li> <li>Round-table discussion</li> </ul>

10:30 10:30 am (CET)	<b>Coffee break and online networking</b>	
11:00 11:00 am (CET)	<b>Track 1:</b> <b>Sustainable digital transformation of the agricultural value chain</b> <b>Future trends: Part 2</b> <ul style="list-style-type: none"> <li>What is the impact of digitalisation on farming practices and structures as well as new dependencies? <b>Dr. Karel Charvát</b>, Wirelessinfo</li> <li>Which are the new business models? <b>Claudia Mittermayr</b>, Agro Innovation Lab GmbH</li> <li>Sustainable food futures, the role of ICT and citizen consumers. <b>Prof. Anna Davies</b>, Trinity College Dublin</li> <li>Q &amp; A / discussion</li> </ul>	<b>Track 2:</b> <b>A governance framework for agricultural data</b> <b>Policy forum</b> <ul style="list-style-type: none"> <li>Round-table discussion</li> </ul>
12:15 12:15 pm (CET)	<b>Lunch break and online networking</b>	
13:45 1:45 pm (CET)	<b>Presentation on outcomes &amp; conclusions in Track 2</b> <ul style="list-style-type: none"> <li>BMEL</li> </ul>	
14:00 2:00 pm (CET)	<b>Panel discussion</b> <ul style="list-style-type: none"> <li>European Commission, Ministry: <b>Dr. Doris Marquardt</b> (DG AGRI), <b>N.N.</b> (Ministry)</li> <li>Research institutions: <b>Drs. Krijn J. Poppe</b> (Wageningen University &amp; Research), <b>Dr. Christian Huyghe</b> (INRAE, National Research Institute for Agriculture, Food and Environment of France)</li> <li>Other stakeholders: <b>Georg Mayerhofer</b> (farmer), <b>N.N.</b></li> </ul> Moderation: <b>Prof. Donagh Berry</b> (Teagasc)	
15:15 3:15 pm (CET)	<b>Rounding up and conclusion</b> <ul style="list-style-type: none"> <li><b>Prof. Dr. Engel Hessel</b>, German Federal Ministry of Food and Agriculture (BMEL)</li> <li><b>Prof. Gerry Boyle</b>, EURAGRI</li> </ul>	
15:30 3:30 pm (CET)	<b>End of the conference</b>	

You can register online for the event on [www.eu2020.de/eu2020-en/events/-/2365106](http://www.eu2020.de/eu2020-en/events/-/2365106)

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