



**CEMA TECHNICAL FORUM**  
**VIRTUAL #CEMASummit 2021**  
**14<sup>th</sup> of April**

**14.30 – 16.20h**

**Sustainable farming: achievements & challenges for advanced farm technologies**

Achieving the EU environmental targets while staying competitive requires a transformation of mindset today for the agriculture of tomorrow. New technologies like digital farming, Artificial Intelligence and robotics are the new drivers for this transformation. Yet, technology uptake by farmers and lack of harmonized technical rules to endorse innovations remain the main bottlenecks to deploy the full potential of digital agriculture in Europe.

To discuss current technology developments and find out what's coming next for the ag machinery sector, the Technical Forum will feature interventions from CEMA industry experts, EU decision-makers and researchers that will discuss about:

- EU common rules for robotics in agriculture: how do you make safe and secure autonomous systems?
- New precision technologies for sustainable farming: is there a need for European harmonization?
- Digital agriculture: Who does What to ensure easy and secure data-sharing?
- What is the link between AI and data communication?

**Moderator:** Jennifer Baker



## AGENDA

**Opening speech by:** Thomas Lorf, Chairman CEMA Technical Board, COO of CLAAS Tractors

**14.30 – 15.20h**

### **SESSION I: New technologies for a connected & smarter agriculture**

Cloud-to-cloud communication for data-sharing, cybersecurity and AI are among the key technology trends that will be touched upon in this first session. Our speakers will share views and insights on the current situation in EU agriculture and beyond, how agricultural data can be managed in one single space or what is the best way to deal with the amount of data coming out from agricultural machines and practices.

**Connected autonomous vehicles, a view from another sector** – Joost Vantomme, Smart Mobility Director ACEA

**Connected agricultural machinery** – Norbert Schlingmann, General Manager AEF

**Creating an agriculture of data in Europe** – Dr Doris Marquardt Digitalisation, Programme Officer Innovation, Agriculture and Rural Development, European Commission DG AGRI

**Agri-Gaia and AI applications in agriculture** – Dr Stefan Stiene, Head of the DFKI Competence Center Smart Agriculture Technologies (CC-SaAT)

**15.35h – 16.20h**

### **SESSION II: Key conditions to roll out new technologies for a sustainable agriculture**

In this session readiness of technology to support farmers' sustainable practices will take center stage. Our speakers will discuss about the remaining obstacles for some innovative solutions to take off and what is still needed at technical level to achieve a full deployment.

**How to reach the sustainability targets and the role of machinery** – Prof. Dr Patrick Ole Noack, Agricultural system technology, Hochschule Weihenstephan-Triesdorf

**Autonomous agricultural machinery – benefits, challenges and status of the work done** – Cedric Seguineau, Materials and Micromechanics Team Leader NAIO technologies

**Crop diversification and machinery** – Wijnand Sukkel senior researcher AgroEcology Wageningen University and Research (WUR).

### About CEMA

CEMA aisbl [www.cema-agri.org](http://www.cema-agri.org) is the association representing the European agricultural machinery industry. With 10 national member associations, the CEMA network represents both large multinational companies and numerous European SMEs active in this sector. The industry comprises about 7,000 manufacturers, producing more than 450 different types of machines with an annual turnover of about €40 billion (EU28 - 2016) and 150,000 direct employees.

CEMA companies produce a large range of machines that cover any activity in the field from seeding to harvesting, as well as equipment for livestock management.

### CEMA Secretariat

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