



NGIoT Thematic Workshop: Rural Smart Communities and Agrifood | +++
online, March 30th, 2021 | +++

ATLAS Interoperability Architecture

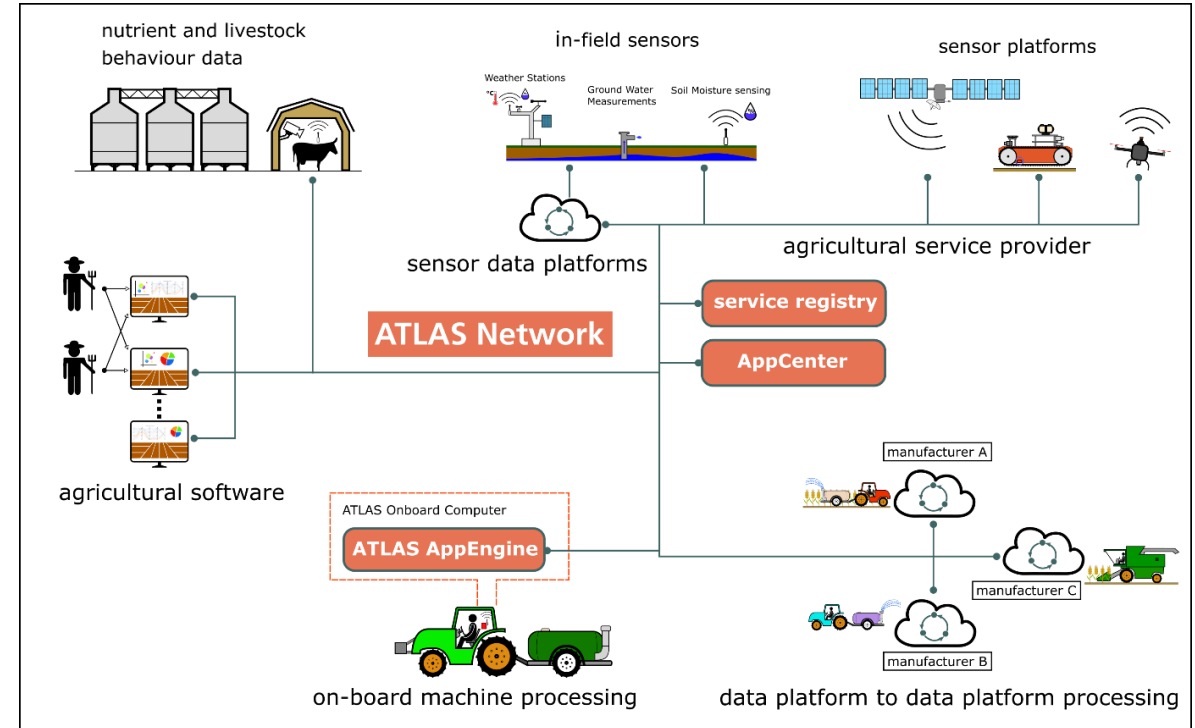
Stefan Rilling
Fraunhofer IAIS



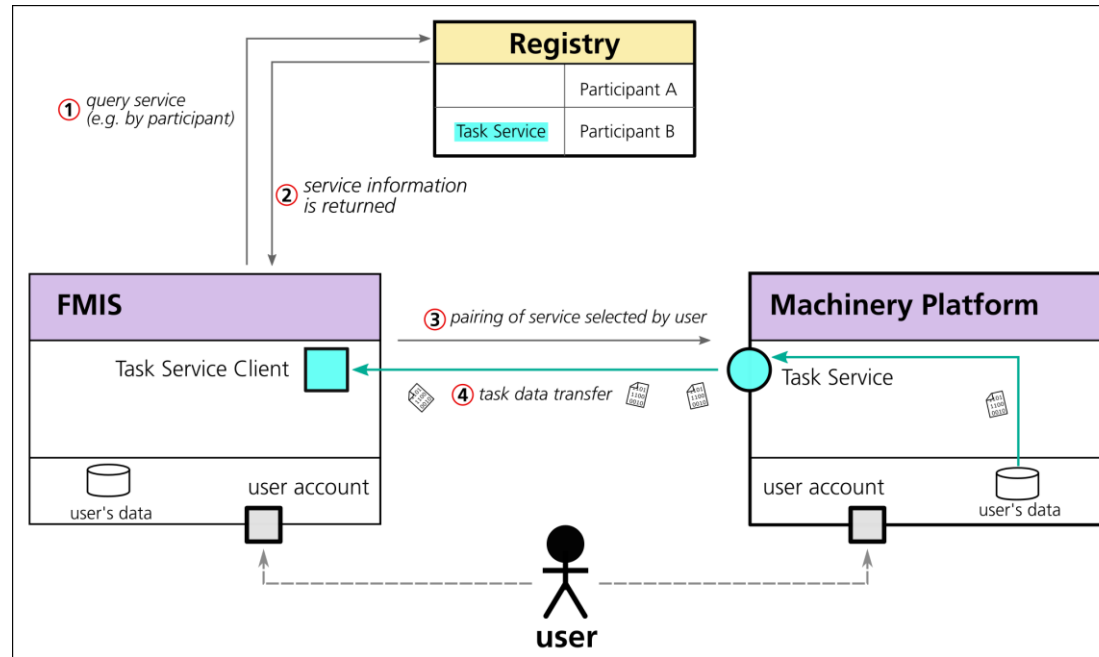
This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement no. 857125.

ATLAS Interoperability Architecture

- **Two basic concepts complementing each other:**
 - Data-platform based data exchange and processing
 - Edge computing and processing capabilities
- **Participants are providing software systems offering services**
- **Services are the basic interoperability building blocks in ATLAS**
 - Services are provided by participants
 - Services implement a specific template



Services, Service Templates and Registry



- **Participants are identified legal entities referenced in the ATLAS Registry**
- **Service templates describe semantically related agricultural or technical functions**
 - API, parameter and data format specification
- **Pairing of services to establish data exchange**



Thank you!

Stefan Rilling

Fraunhofer IAIS

stefan.rilling@iais.fraunhofer.de



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no. 857125.