COSMOS

European Global Navigation Satellite Systems Agency

HORIZON 2020

simul+ Innovation Hub (SIH)
innovative projects and experimental fields for smart farming, environmental technologies and digital rural areas

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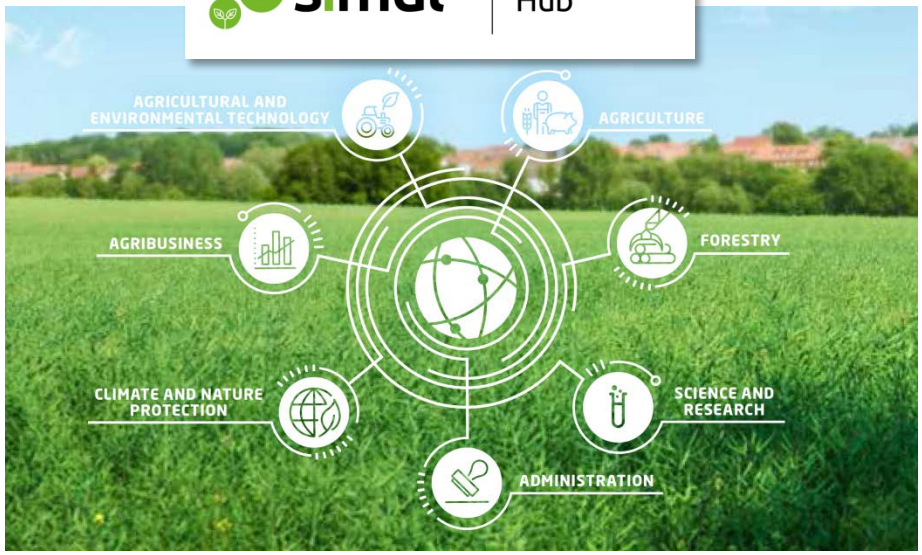
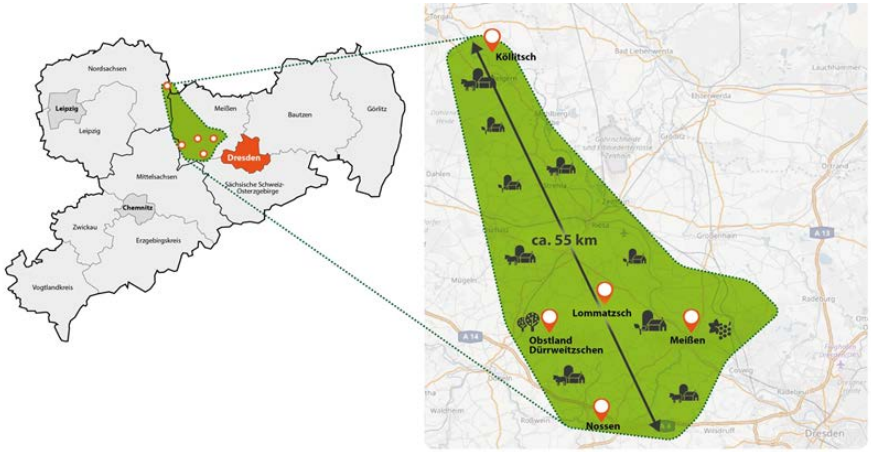
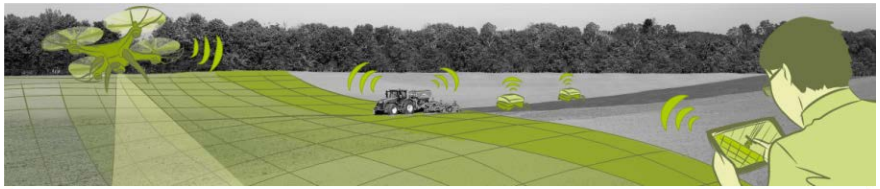
Structure of the organisation

STAATSMINISTERIUM FÜR UMWELT UND LANDWIRTSCHAFT | Freistaat SACHSEN

simul+ Innovation Hub



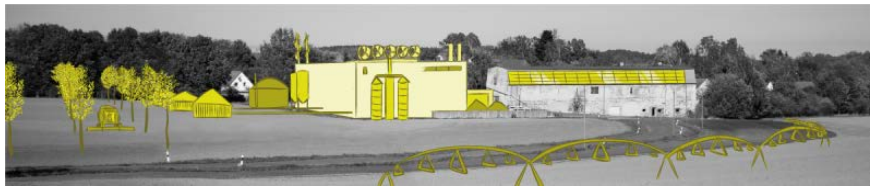




SUBJECT AREAS

- Experimental field 5G in agriculture and forestry
- Smart farming and forestry technology
- Environmental technologies and sustainability
- Nature conservation and climate protection
- Digital villages and smart rural regions

Kemming Agrardienstleistungen | agricon | Gutshof Raitzen | OBSTLAND DÜRRWEITZSCHEN AG | DKE DATA | EXAgT | LOMMATZSCHER PFLEGE | AGRARUNTERNEHMEN „Lommatzscher Pflege" e.G. | VDMA | bitkom | 5G LAB GERMANY | LANDESAMT FÜR UMWELT, LANDWIRTSCHAFT UND GEOLOGIE | Freistaat SACHSEN | SLB | Fraunhofer IVI | TECHNISCHE UNIVERSITÄT DRESDEN | WEINGUT SCHLOSS PROSCHWITZ PRINZ ZUR LIPPE | GLOBAL FOUNDRIES | STAATSBETRIEB SACHSENFORST | Freistaat SACHSEN | Fraunhofer IKTS | int Institut für Naturstofftechnik | FELDSCHWARM | DEROSSI INVEST | FORESTRIS AG | TECHNISCHE UNIVERSITÄT CHEMNITZ | UNIVERSITÄT LEIPZIG | GICON | Fraunhofer IESE



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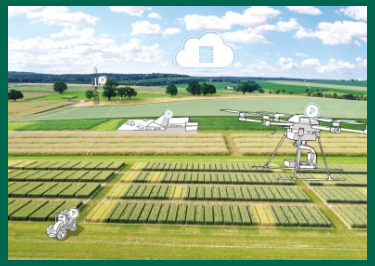
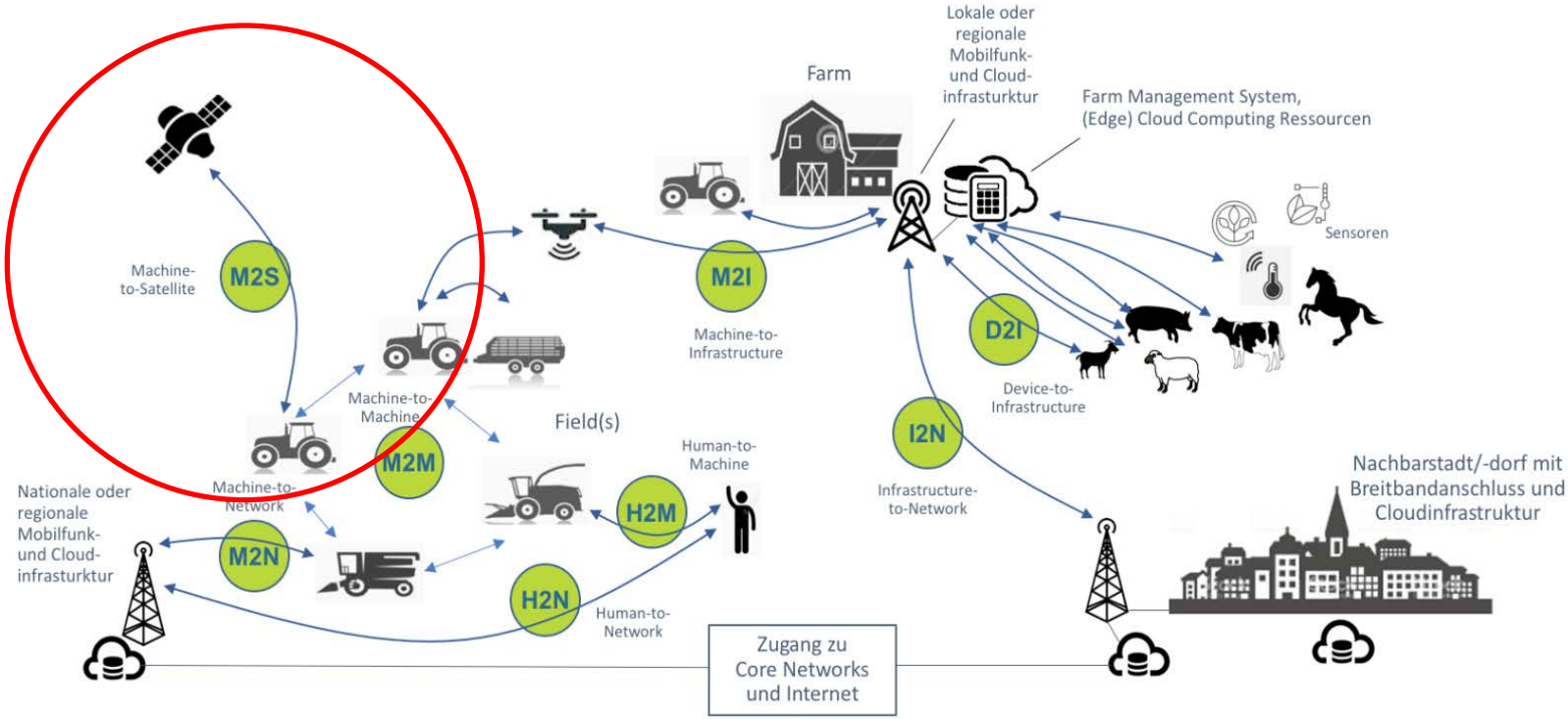
SUBJECT AREA

EXPERIMENTAL FIELD 5G IN AGRICULTURE AND FORESTRY



Communication variants investigated in the experimental field



We are looking for project partners who want to …

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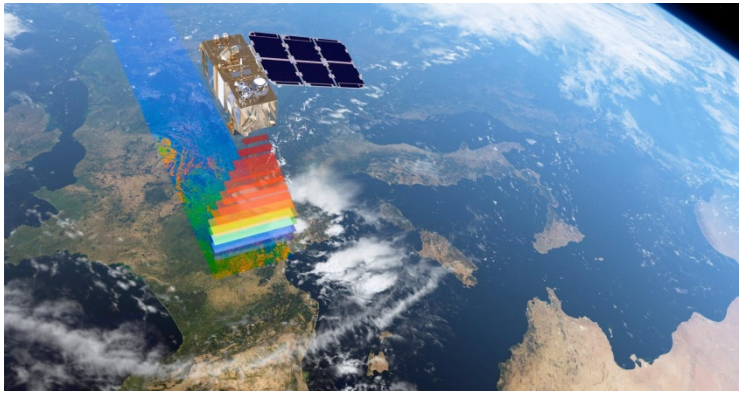
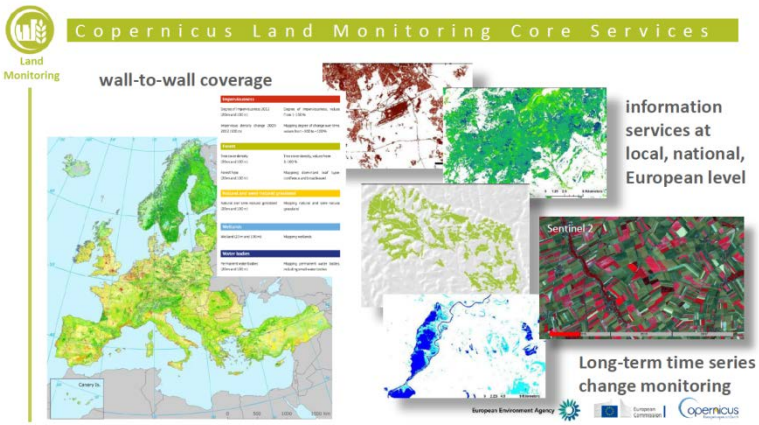
develop, test, or demonstrate satellite applications for agriculture and environment, e.g.

- Soil condition monitoring
- Farm water management
- Disease and pest identification
- Crop surveillance
- Harvest forecasting
- Navigation of tractors and robots
- 5G related satellite communication





Topics that we are particularly interested in

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Earth observation

DT-SPACE-01-EO-2018-2020: Copernicus market uptake
LC-SPACE-04-EO-2019-2020: Copernicus evolution – Research activities in support of cross-cutting applications between Copernicus service

Space business, entrepreneurship, outreach and education

DT-SPACE-26-BIZ-2020: Space hubs (support to start-ups)

EGNSS market uptake 2020

LC-SPACE-EGNSS-1-2019-2020: EGNSS applications fostering green, safe and smart mobility
DT-SPACE-EGNSS-2-2019-2020: EGNSS applications fostering digitisation
SU-SPACE-EGNSS-3-2019-2020: EGNSS applications fostering societal resilience and protecting the environment
SPACE-EGNSS-5-2020: EGNSS applications for public authorities' pilot

Interested? Contact us!

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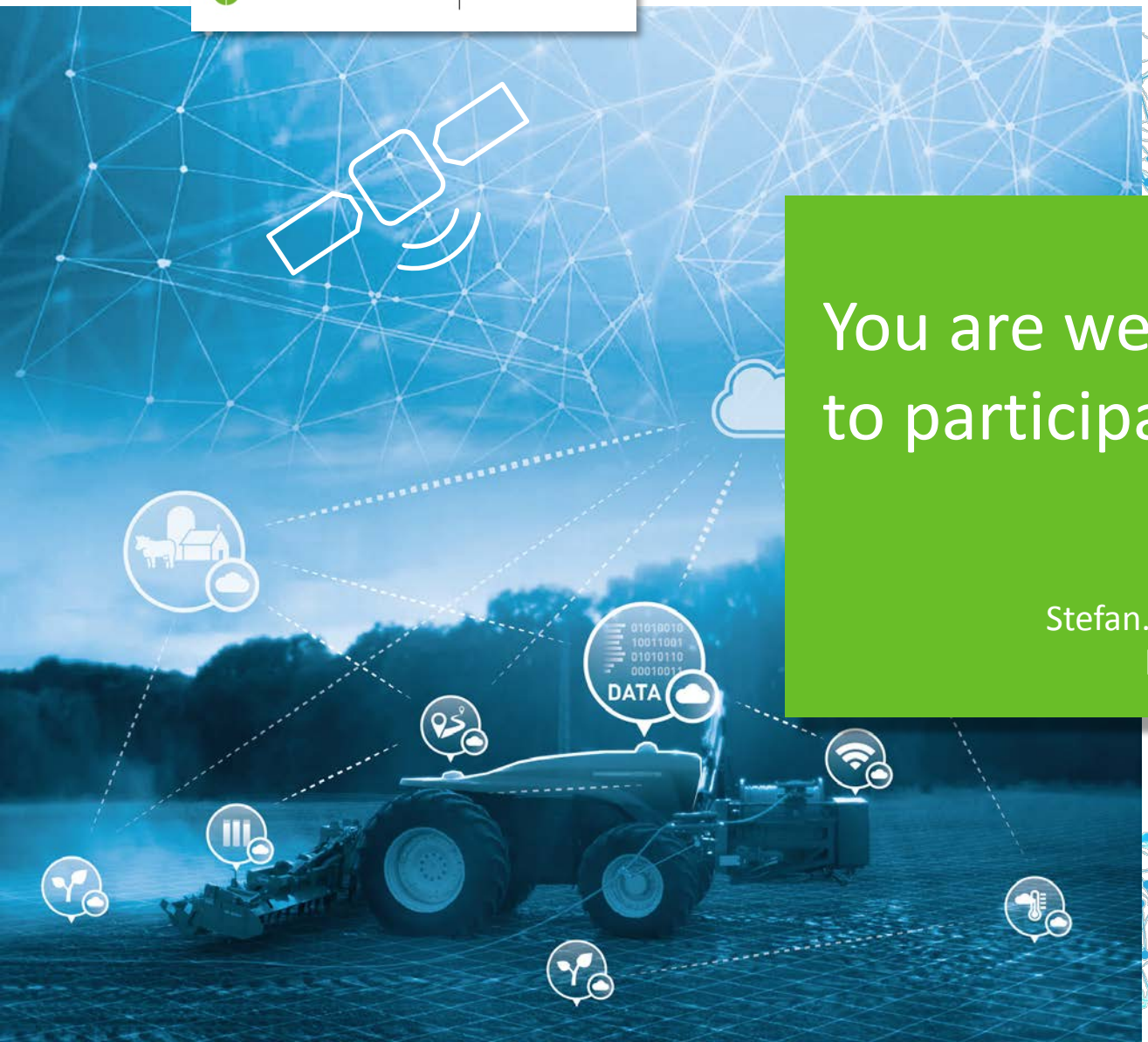

You are welcome to participate

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