



# CELTIC EUROGIA

## Online Proposers Day

15<sup>th</sup> & 16<sup>th</sup> September 2020



## DataSEC: Data Sovereignty for the European Cloud



**Prof. Dr. Jan Jürjens, Director Research Projects**  
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# TEASER

## AREA: ICT

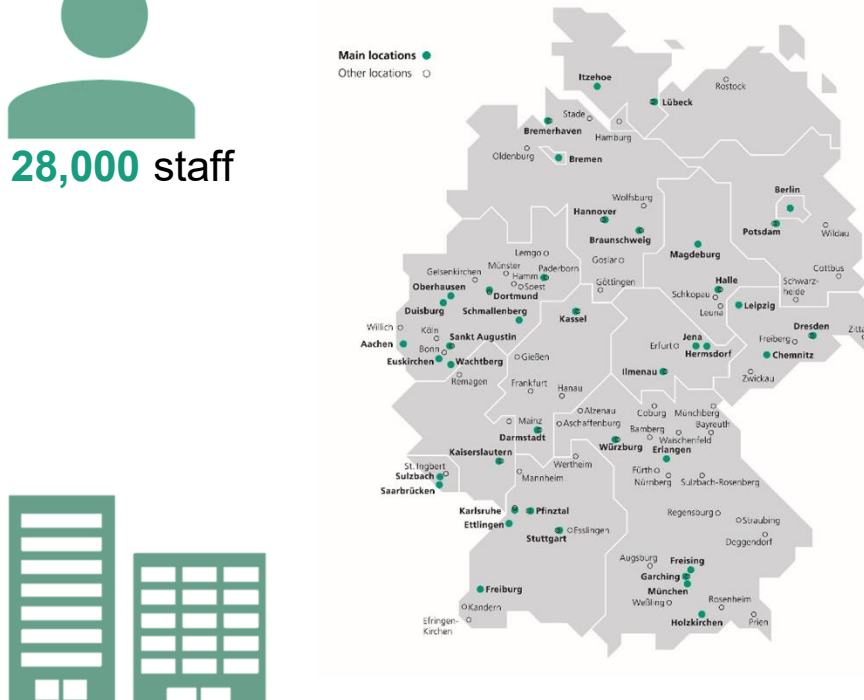
Enabling the European Cloud,  
taking into account data sovereignty across all layers



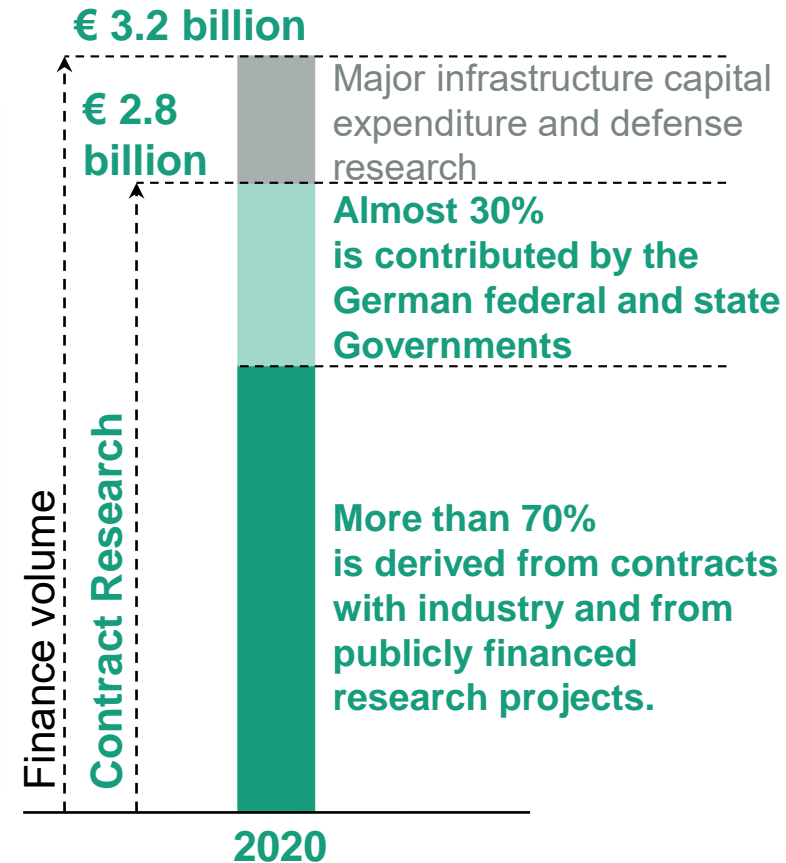
# The Fraunhofer Society

The Fraunhofer-Gesellschaft undertakes applied research of direct utility to private and public enterprise and of wide benefit to society.

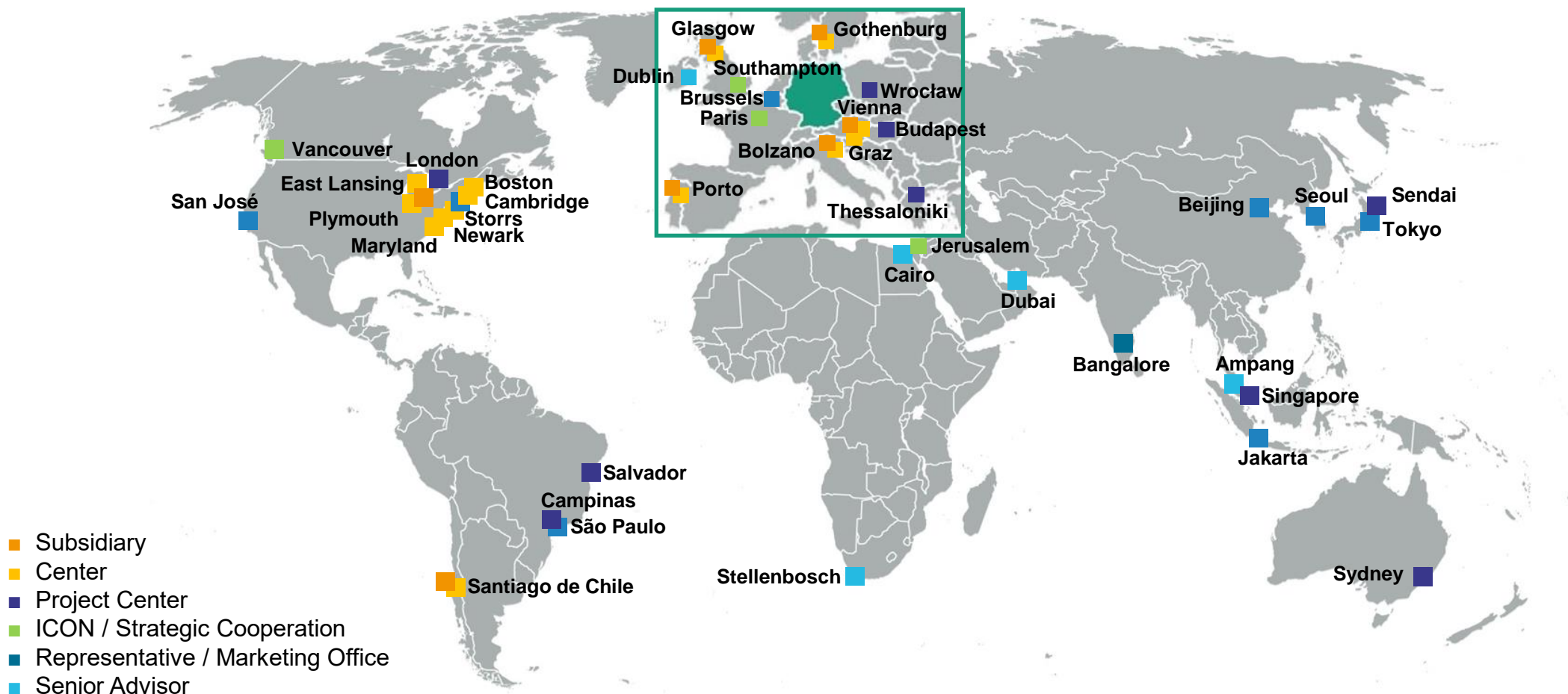
  
**28,000** staff



  
**74** institutes and research units



# Fraunhofer Worldwide





# Fraunhofer Institute for Software and Systems Engineering ISST (Dortmund, Germany)



Founded in **1992**



**3** Divisions



**100+**  
staff members,  
Ph. D. candidates  
and student  
assistants



# Fraunhofer Institute for Software and Systems Engineering ISST

Fraunhofer ISST offers  
»Digitalization made  
in Germany« - focused  
on three industrial  
sectors



LOGISTICS



HEALTHCARE



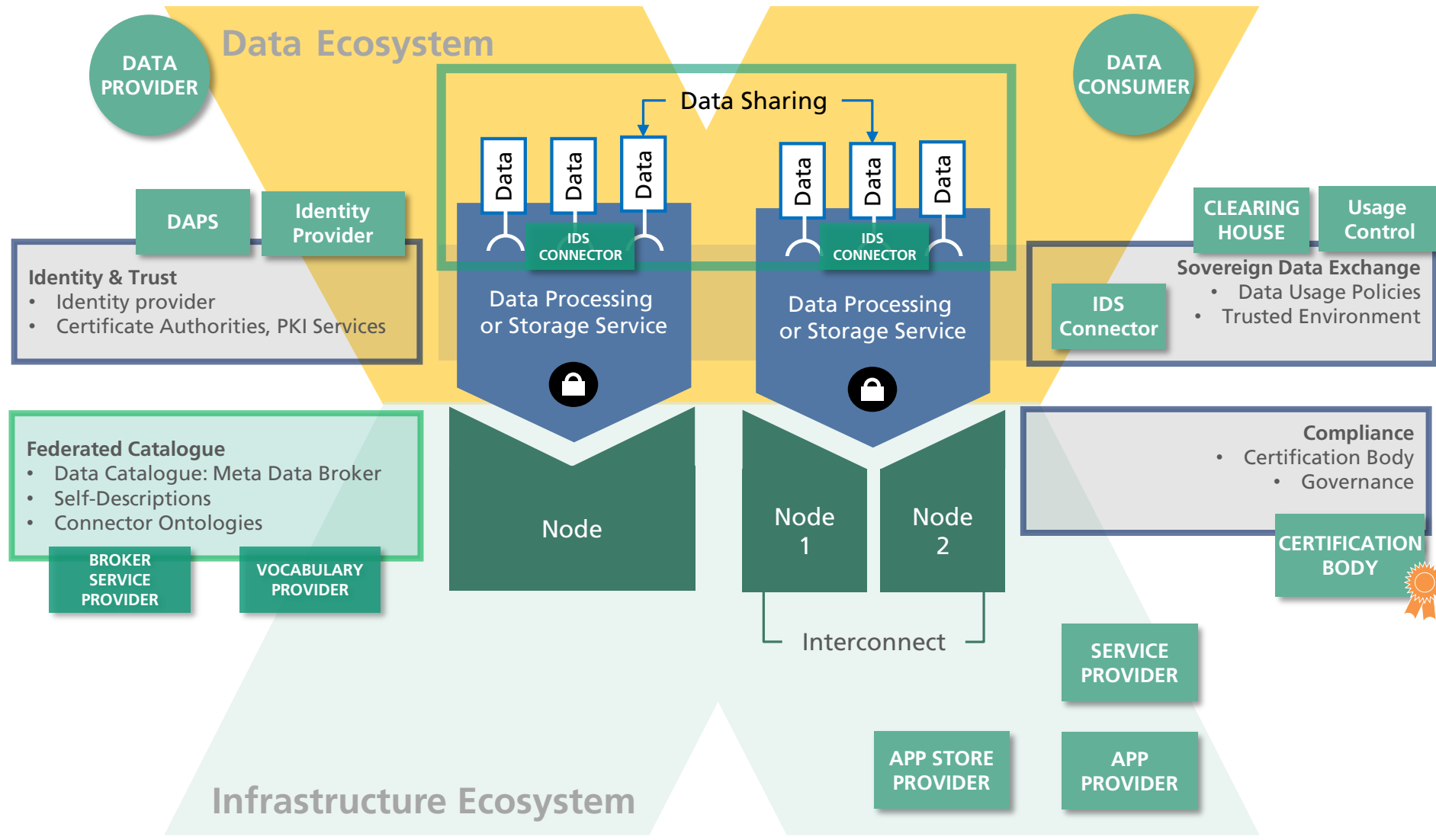
DATA ECONOMY

- ISST one of main drivers behind **International Data Spaces** initiative; centrally involved with GAIA-X
  - Institute director Prof. Boris Otto: one of initiators, Vice President of **IDSA**
  - Jan Jürjens: contributor to Reference Architecture
- Selection of relevant ongoing projects
  - [H2020] **Amable, TRUSTS**: IDS vs Blockchain
  - [H2020] **Qu4lity, DataPorts**: IDS in production / logistics (with Univ. Koblenz)
  - [H2020] **AI4EU**: Leading the IDS task
  - [National] **Legal Test Bed**: IDS vs Blockchain / Smart Contracts
  - [National] **Servicemeister, IIP Ecosphere, XAPS**: IDS in production systems (with Univ. Koblenz)

# Univ. Koblenz (Germany): Faculty of Informatics

- Fraunhofer ISST will be supported by its linked third party University of Koblenz
- One of the **strongest** Computer Science Departments in **Germany**:  
Recently ranked **fourth nation-wide** in **CHE research ranking** (by combination of external research funding and scientific publication).
- **25 professors, 6 institutes**: Computer Science, **Software Technology**, Web Science and Technologies, eBusiness and eGovernment, Computer Visualistics, Management
- **Collaborations with external research institutes**:
  - Fraunhofer Institute for Software- and Systems Engineering ISST
  - Max-Planck Institute for Informatics
  - GESIS – Leibniz Institute for the Social Sciences
- **Institute for Software Technology (IST)**: Internationally leading in Secure Software Engineering (>6000 citations / h-index 40 @ Google Scholar),  
Lead of University Research Priority „Engineering Trustworthy Data-Intensive Systems“

# IDS and GAIA-X: Add the Missing Data Sovereignty





# Partners



*Looking for partners (or existing consortiums) interested in  
International Data Spaces and GAIA-X*

# Please Do Get in Touch !



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**Presentation available by email request or via:**

