

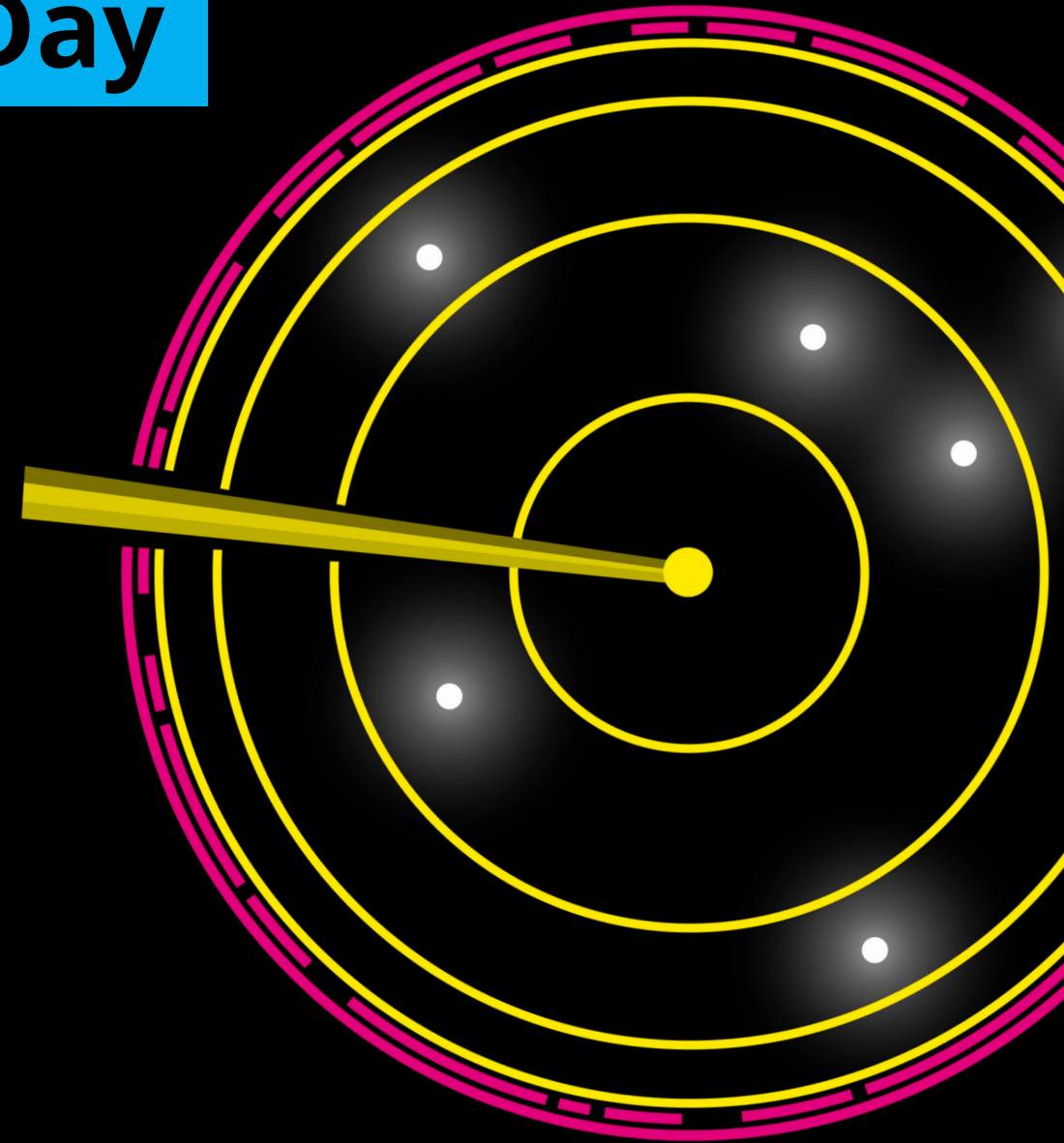
Data Spaces Discovery Day

October 19, 2023 | Vienna

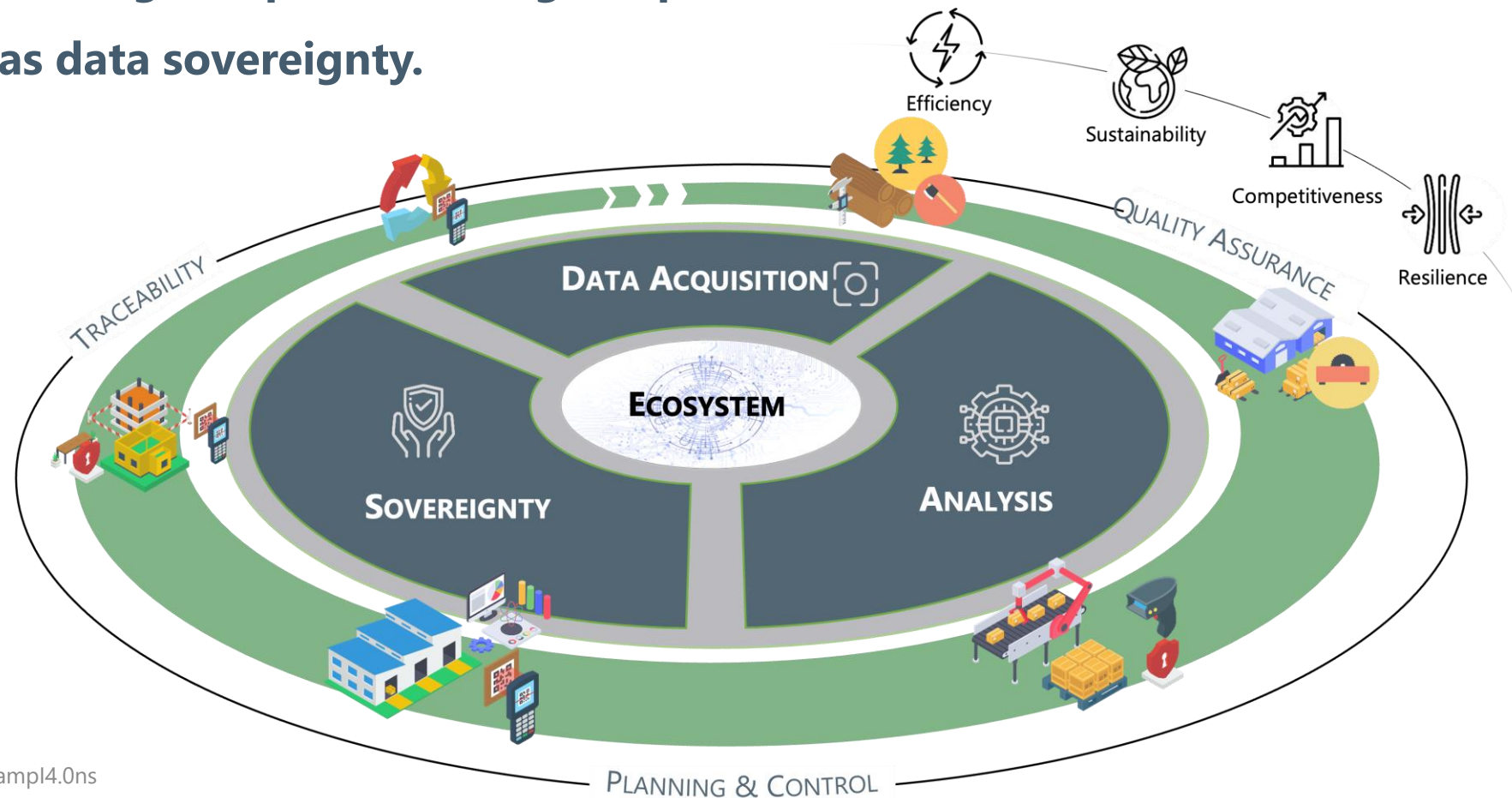
champi4.0ns – the wood dataspace: Traceability through sovereign data sharing

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German-Austrian flagship project with the goal of **enhancing the competitiveness of manufacturing companies through improvements in data collection and data analysis as well as data sovereignty.**



Goals



Implementation and documentation of demonstrators



Further development of Big Data technologies



“Enable intelligent and sovereign use of data for a broad audience!”



Co-creation of guidelines and standards



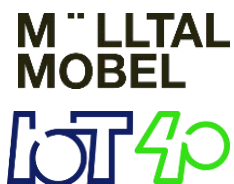
Promotion of the exchange between actors



Development of competencies and capacities



Use Cases



TRACEABILITY

Counterfeit-proof material tracking from tree to piece of furniture



PLANNING & CONTROL

Autonomous process control in pellet production



QUALITY ASSURANCE

Networked data chains in staircase production, optimize capacity utilization



TRACEABILITY, PLANNING & CONTROL, QUALITY ASSURANCE

Optimized model-based process control and quality prediction leads to resource-saving production

Use Case 1 - Traceability



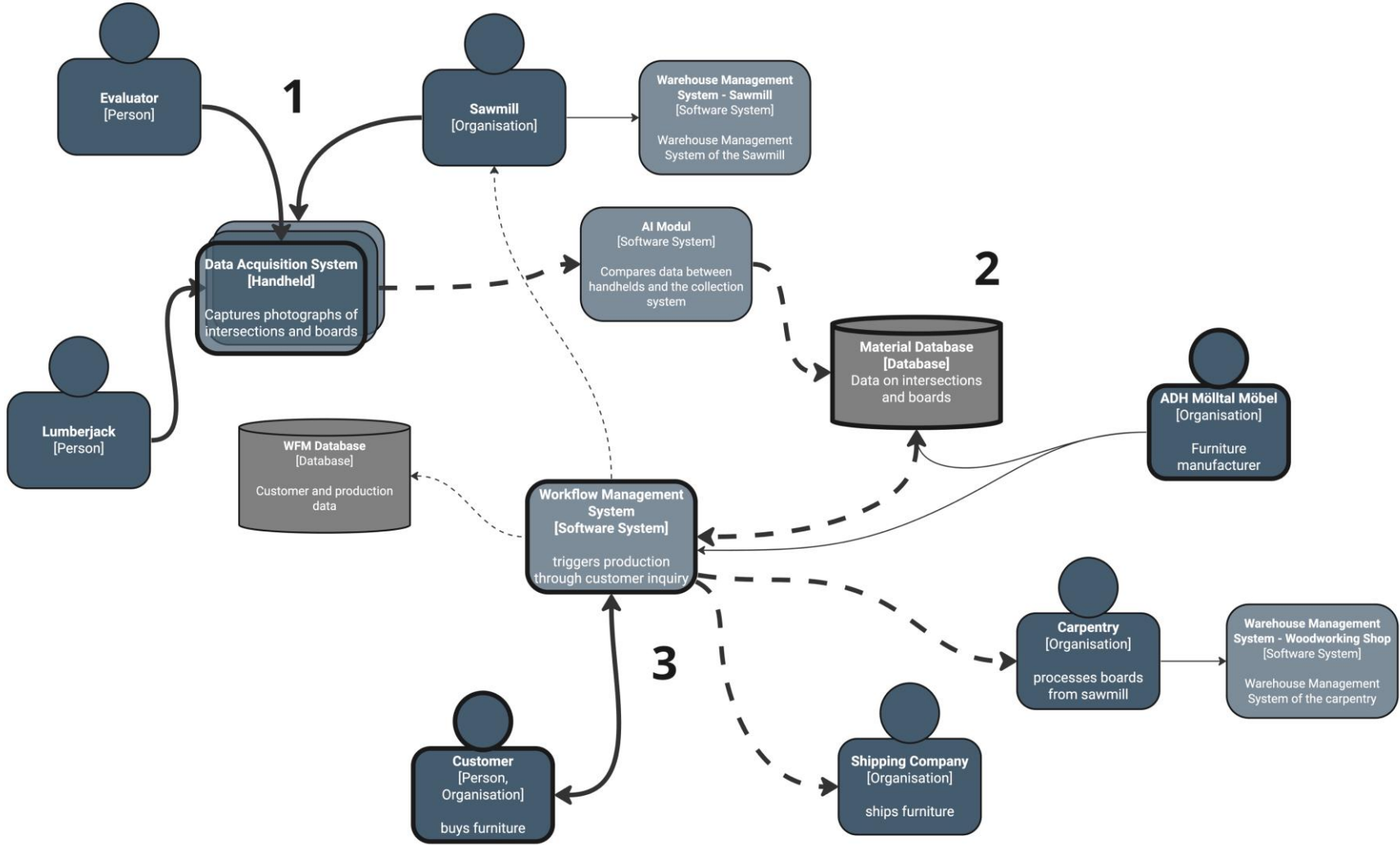
- **Outline:**

- Tamper-proof identification of wood
- Data throughout the entire process from the forest, through the sawmill, to the manufacturing of the final product can be clearly assigned
- Digital material or product passport for wood and furniture

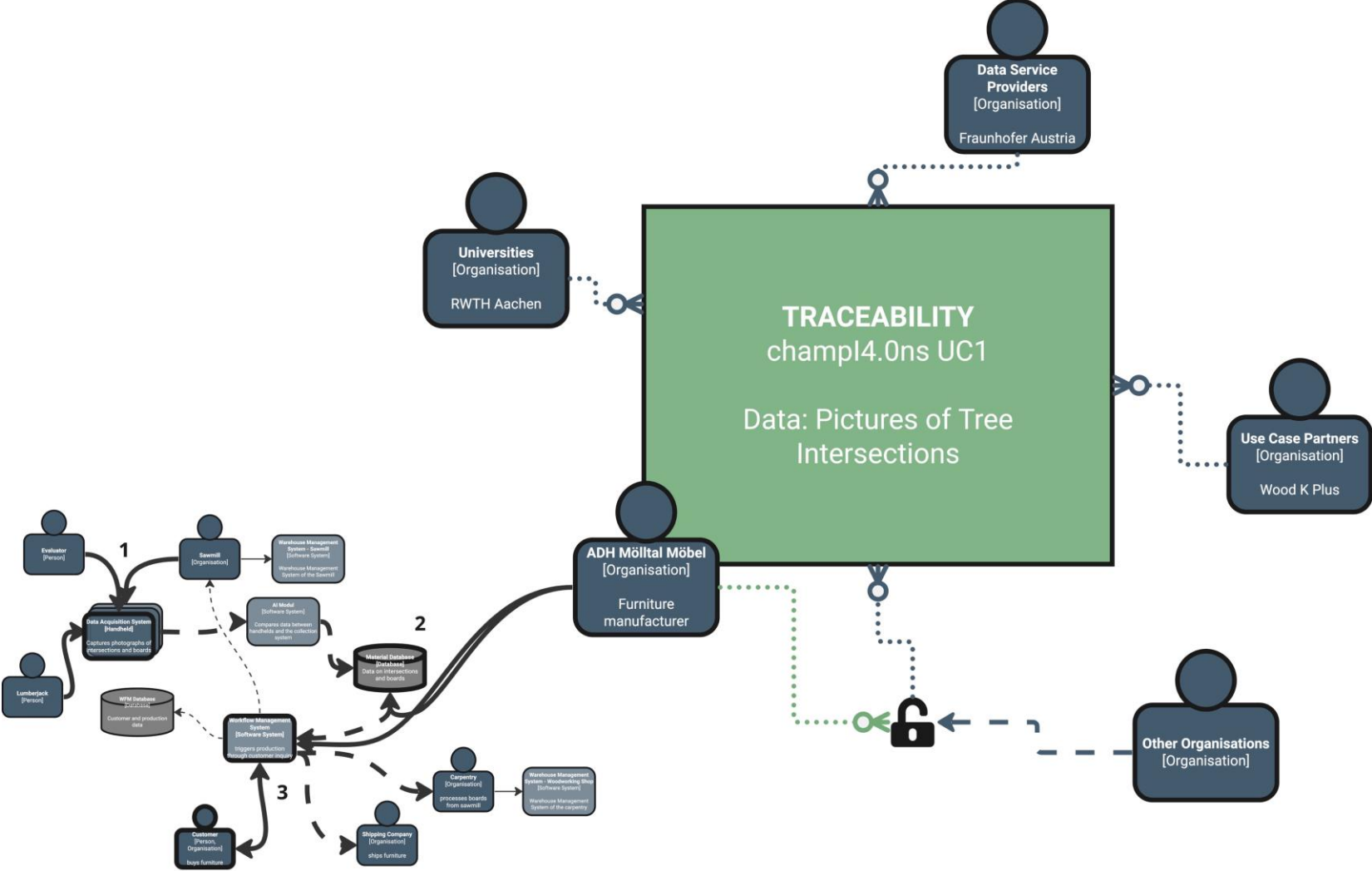
- **Goals:**

- Immediate benefit for the use case partner ADH Mölltal Möbel
- Efficient implementation
- Create a data ecosystem within the champI4.0ns project

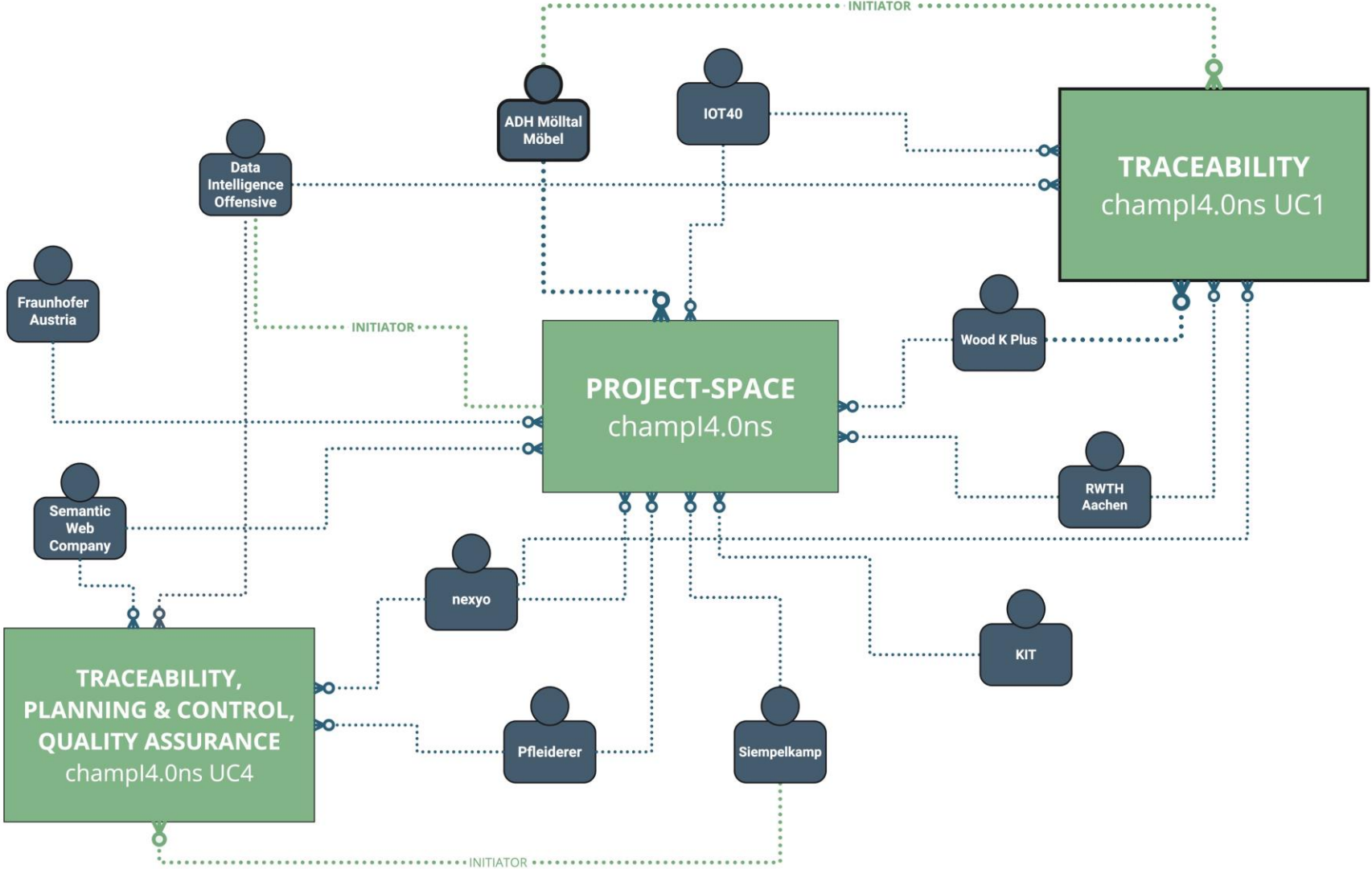
Data Ecosystem



Data Ecosystem



Data Ecosystem





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