



int:net

Interoperability Network for
the Energy Transition

Int:net Final Conference

Multi-faceted interoperability

From interoperability standards to interoperability profiles

Diana Jimenez – Antonio Kung | Trialog

18 September 2025



ISO/IEC JTC1/SC41 Hybrid webinar on IoT Standardization

Join us for a webinar hosted by [ISO/IEC JTC 1/SC 41 \(Internet of Things and Digital Twin\)](#), where we will explore key achievements related to the standardization of Internet of Things (IoT) technologies. The session will highlight recent progress, examine emerging trends, and present an overview of the future work program in relation to these technologies and some of their applications.

This hybrid event will take place both online and in person at the École de technologie supérieure in Montréal, Québec, Canada.

Share On  Share  Share

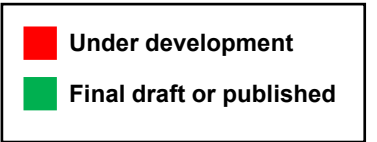
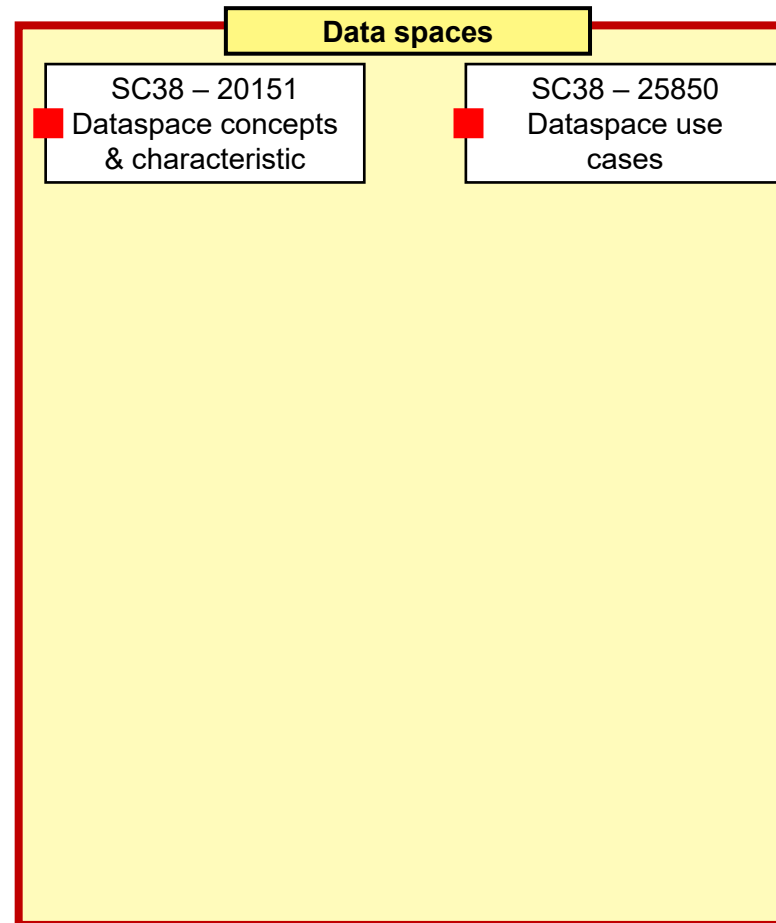
Date & Time

04 June 2025 (15:00 - 18:00 CEST)

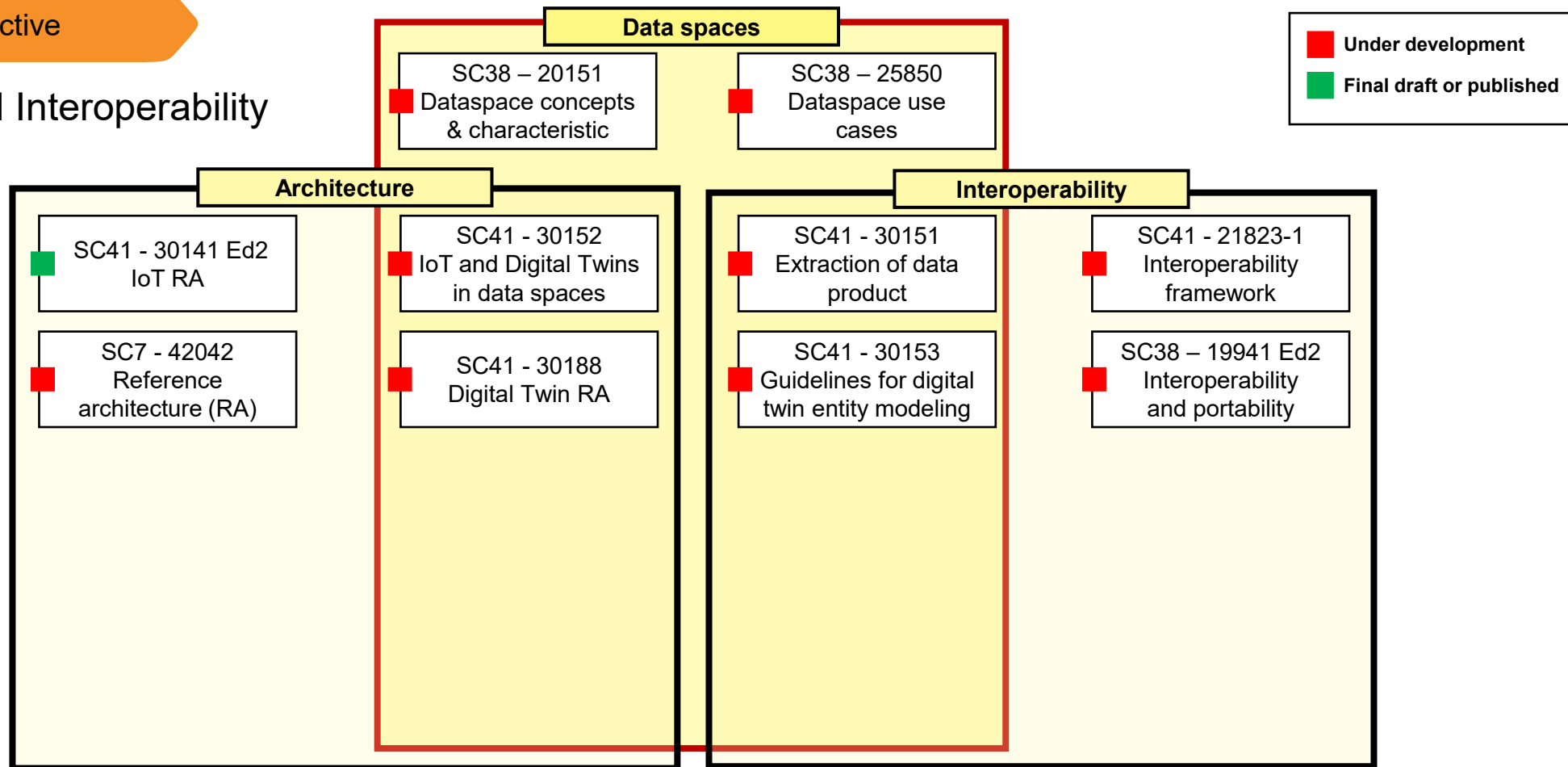
Video recording

[Video Link](#) IEC members

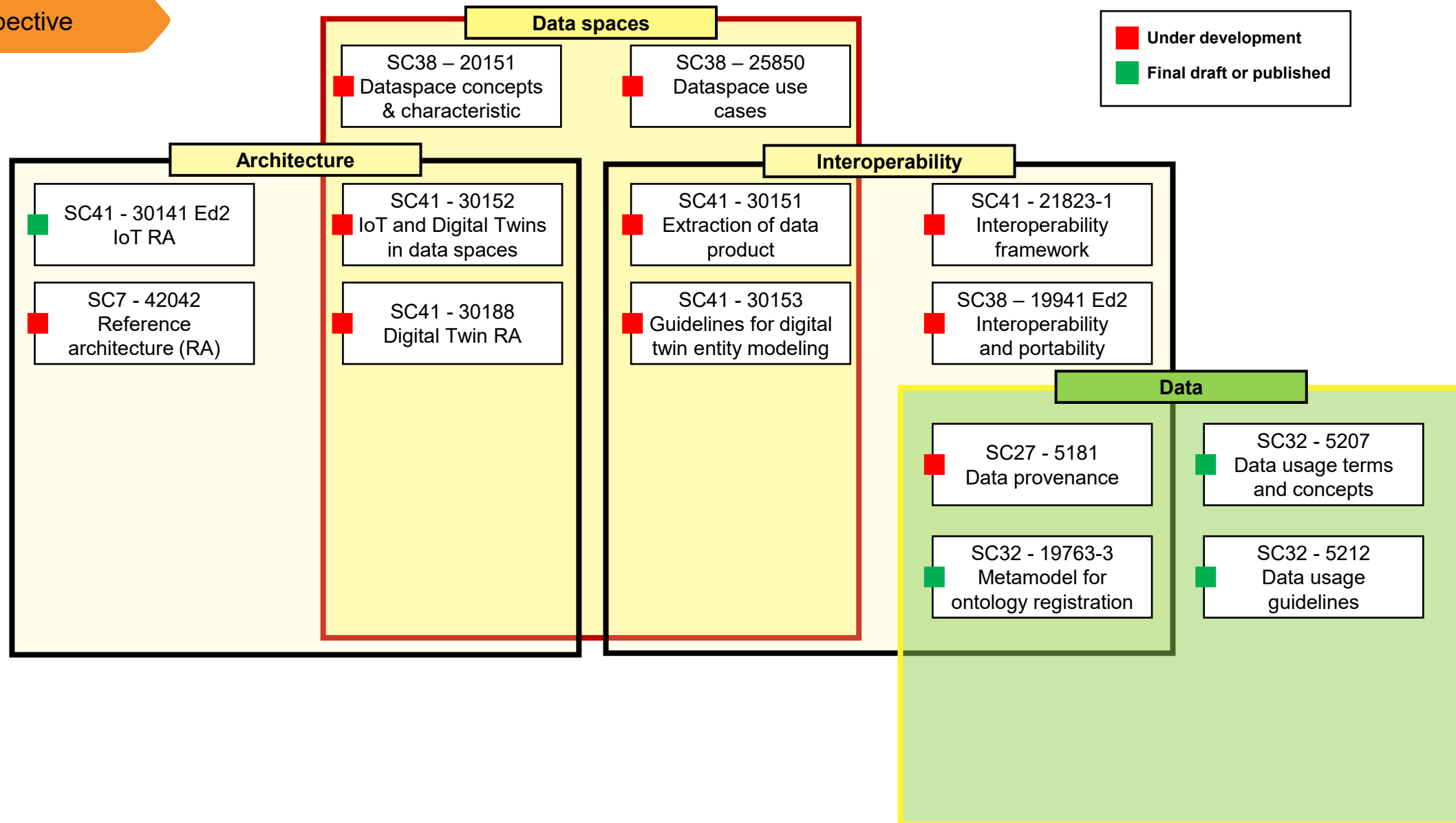
Dataspaces



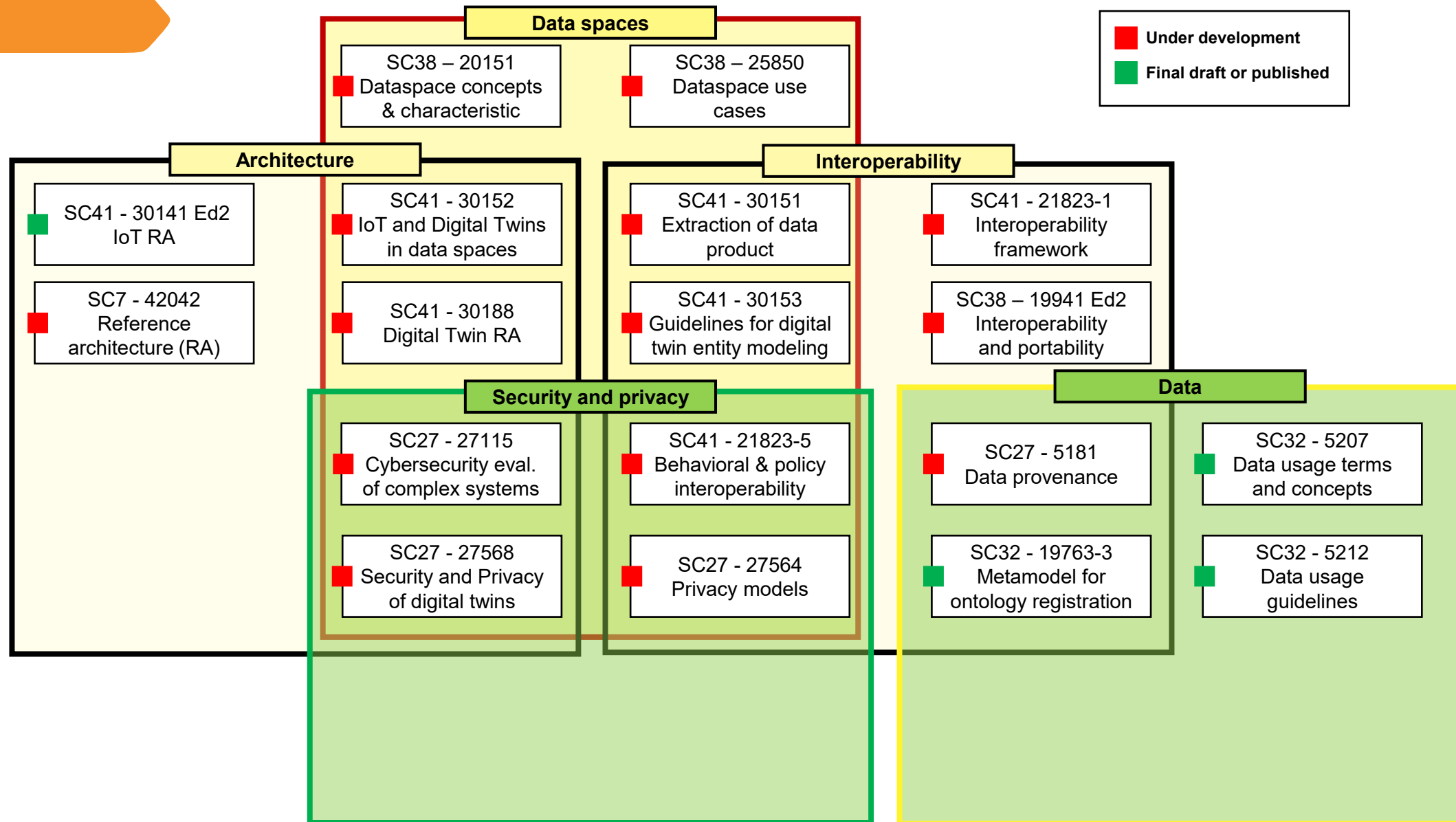
Architecture and Interoperability



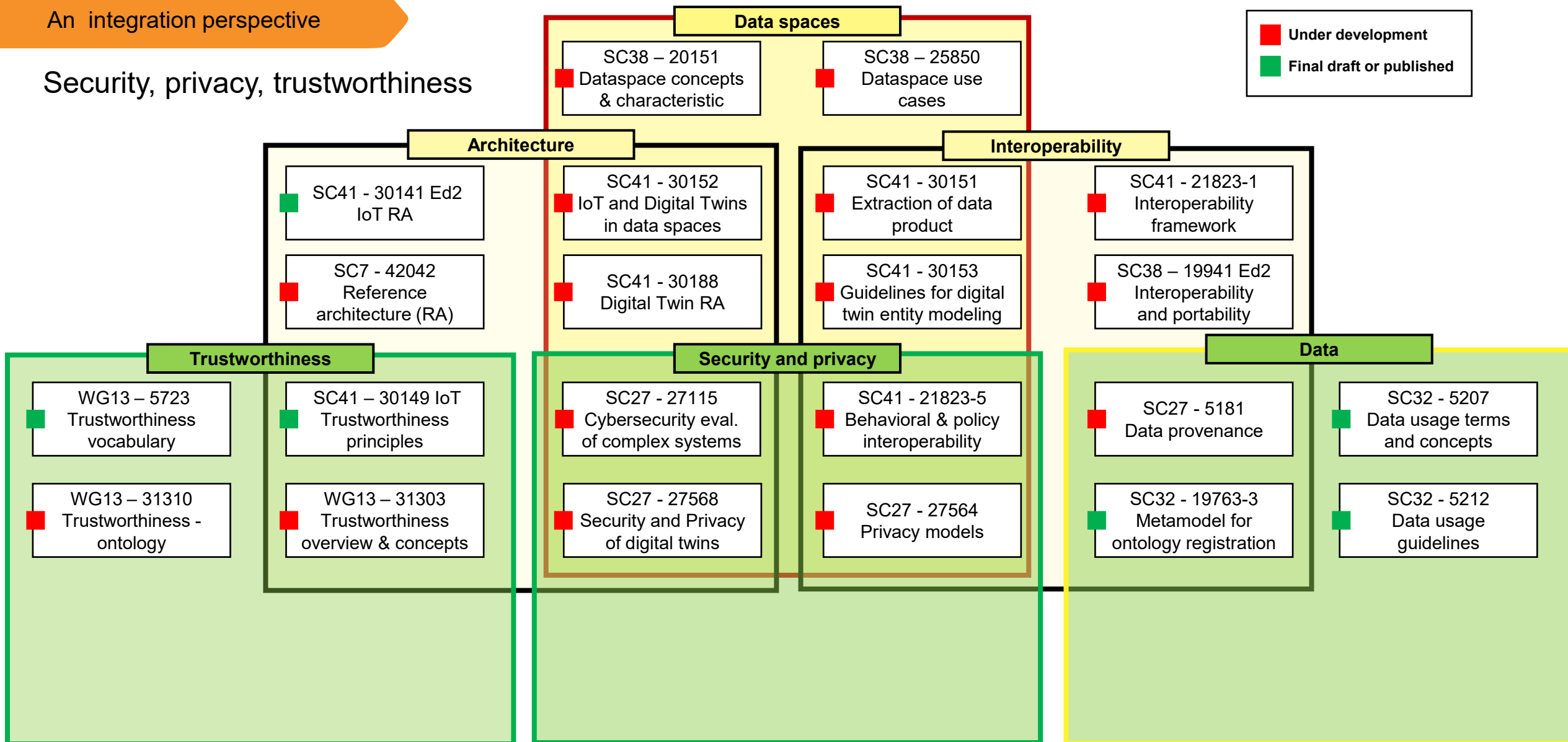
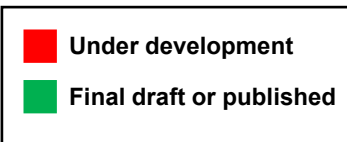
Data



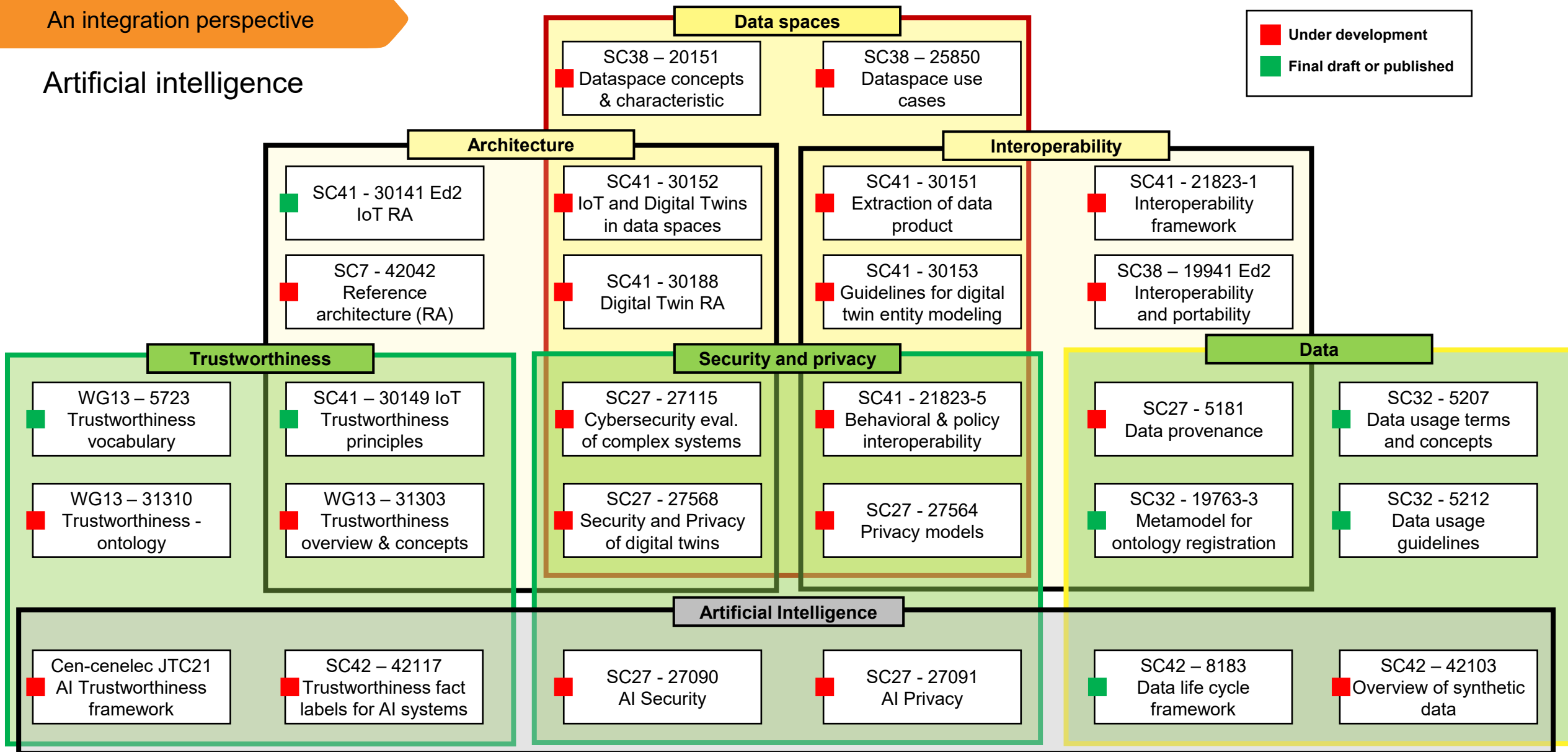
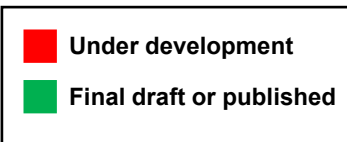
An integration perspective



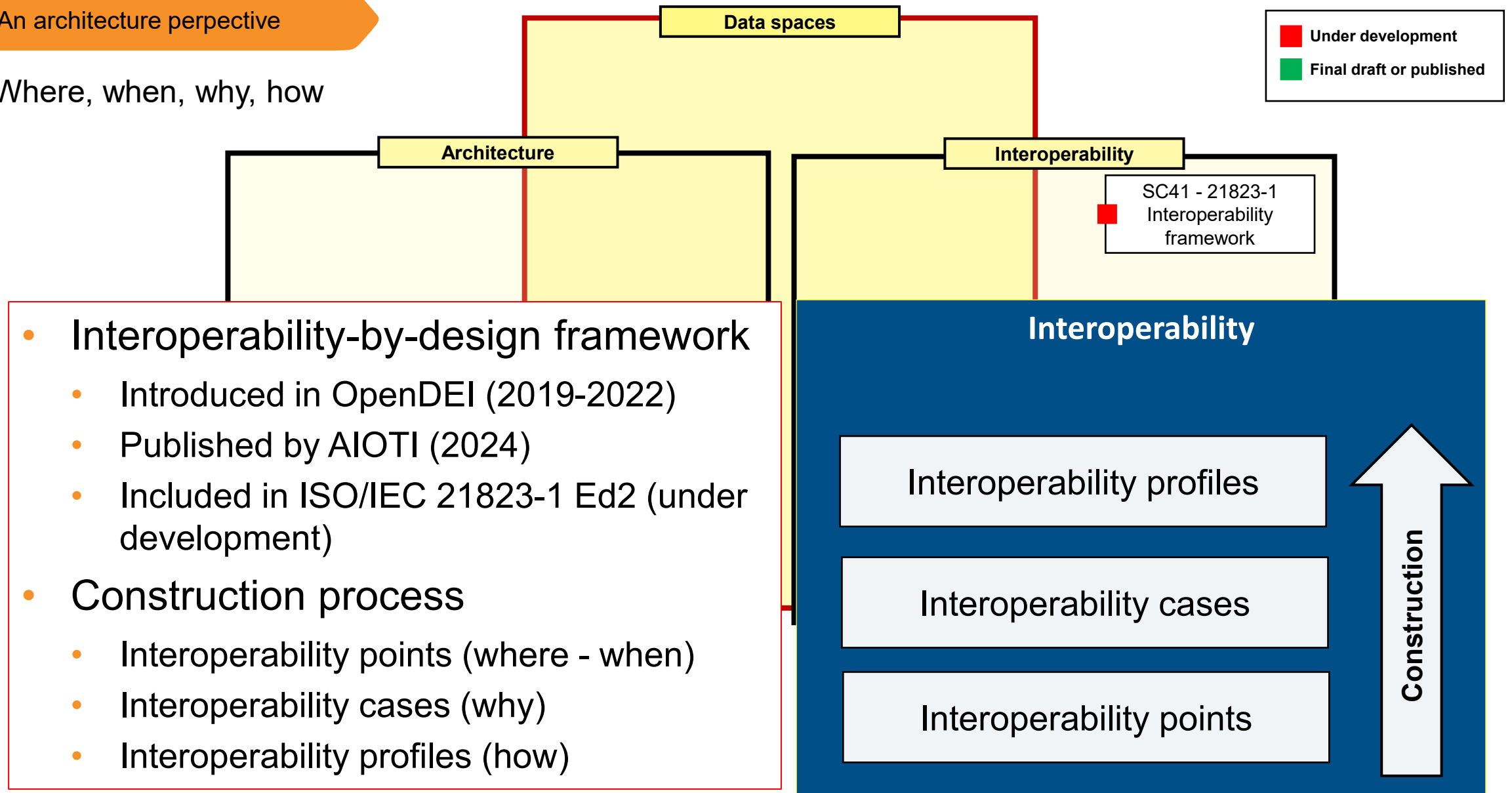
Security, privacy, trustworthiness



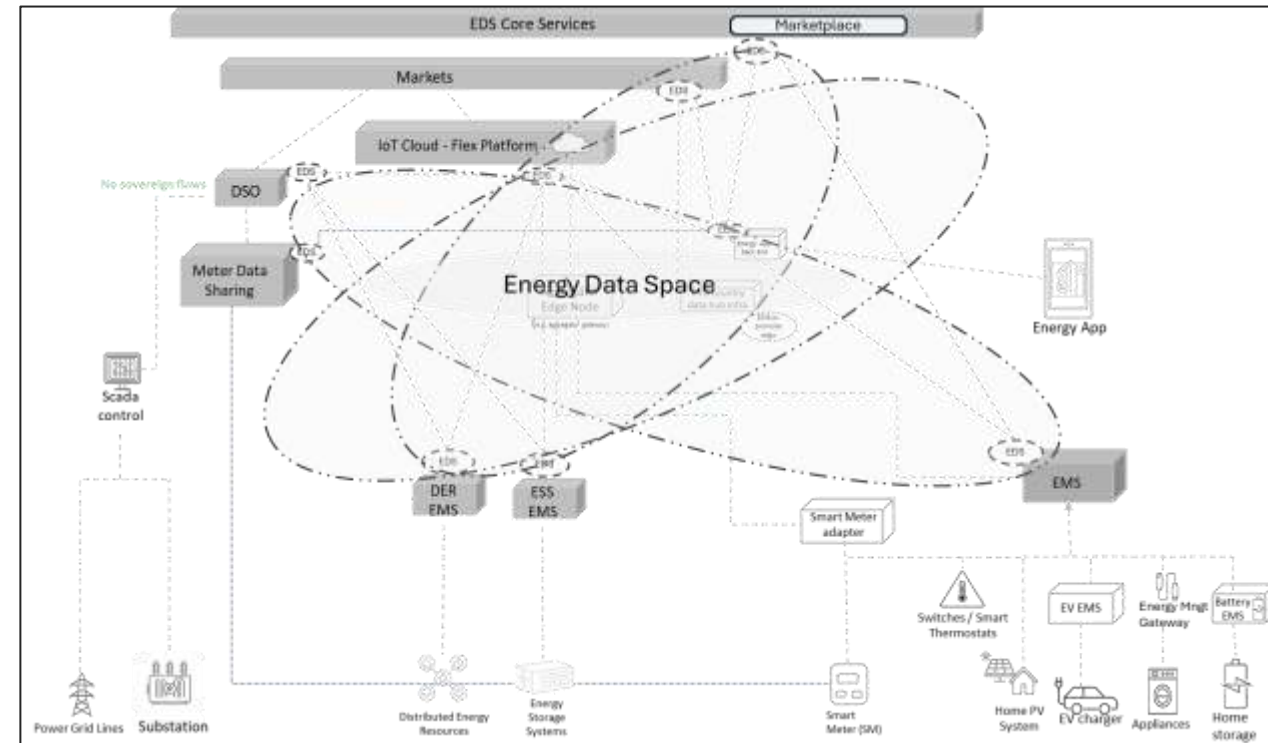
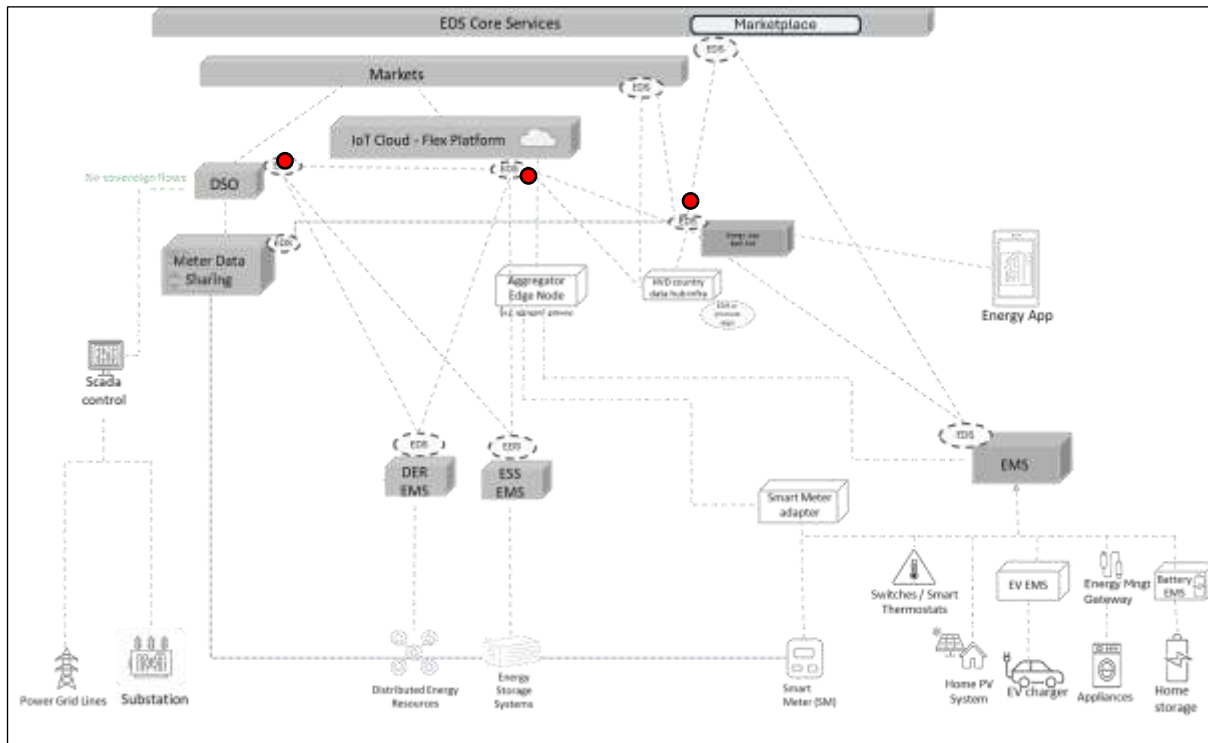
Artificial intelligence



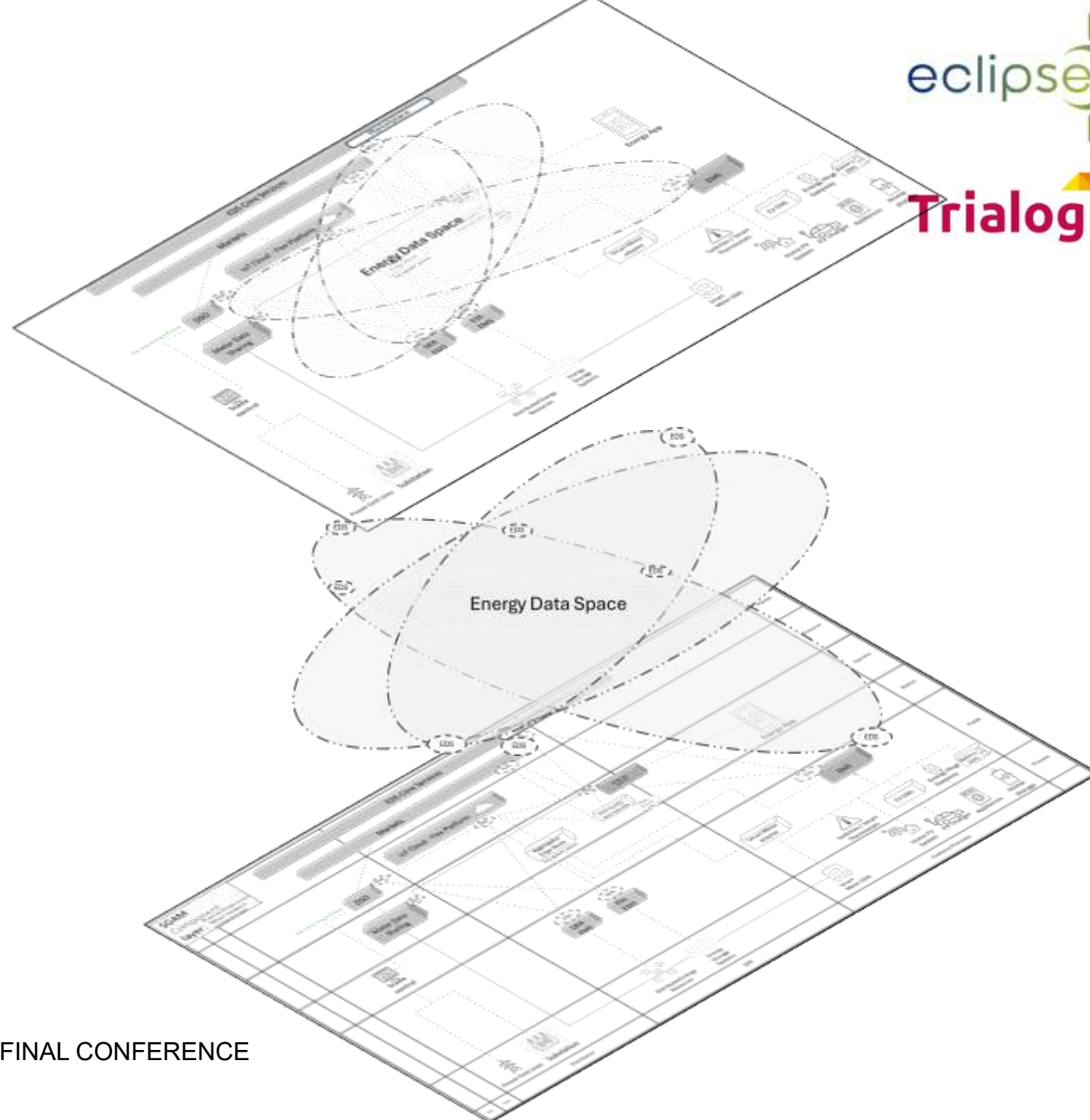
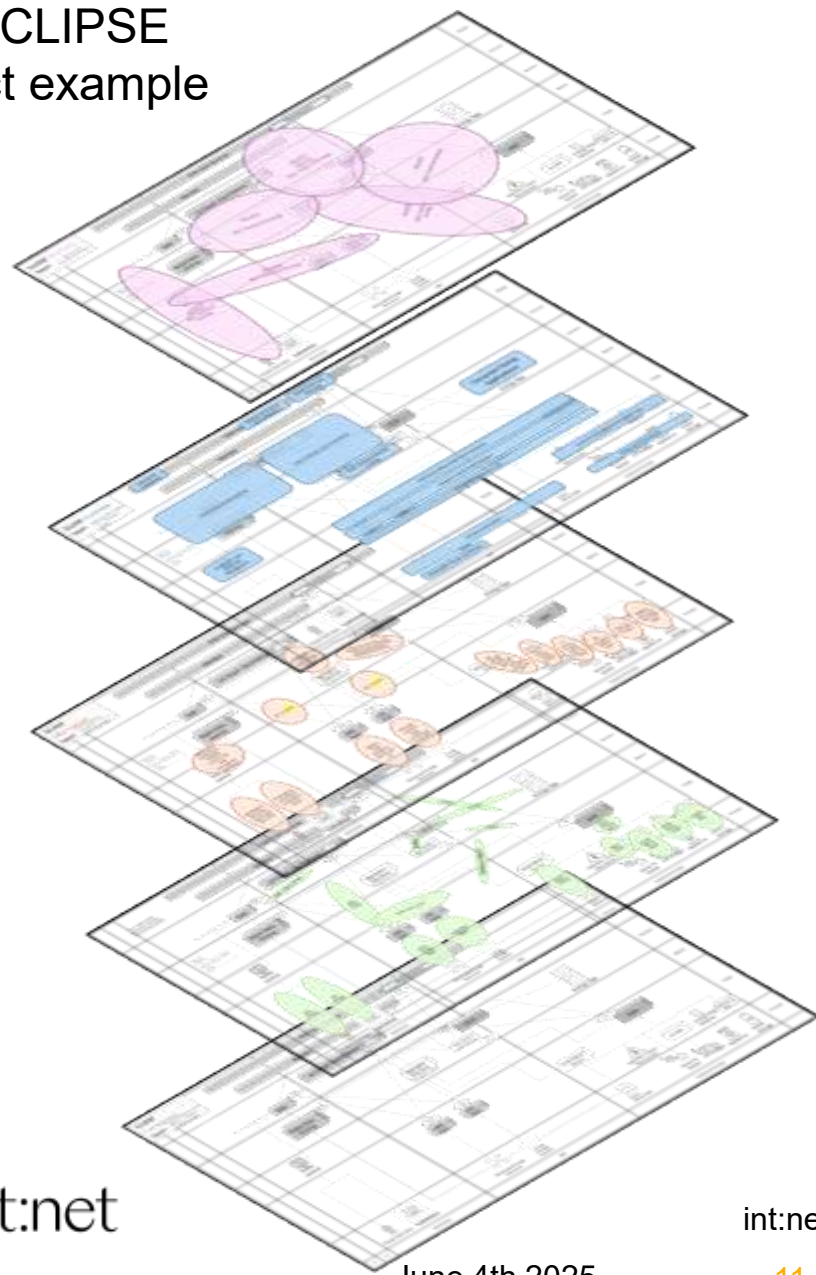
Where, when, why, how



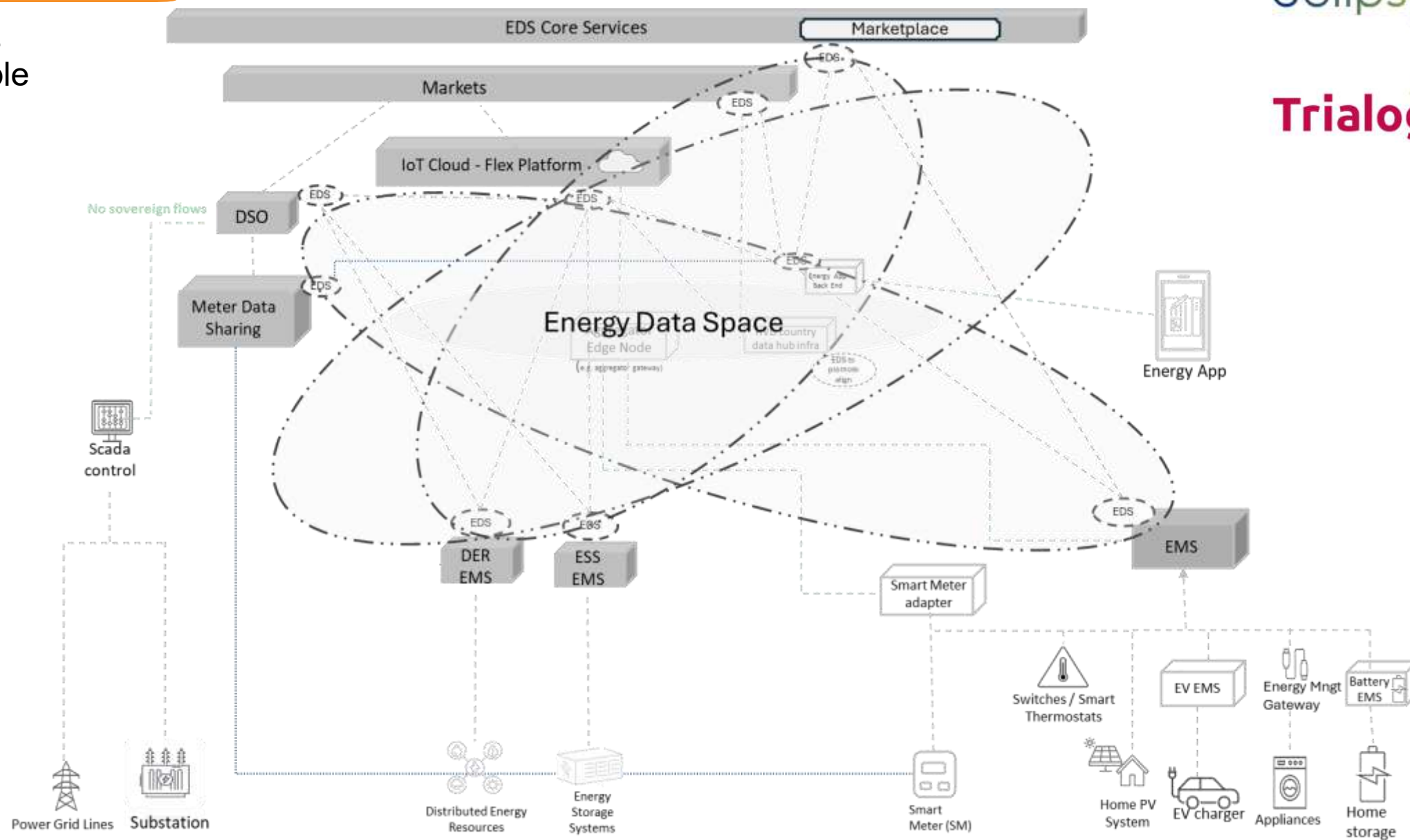
The ECLIPSE project example

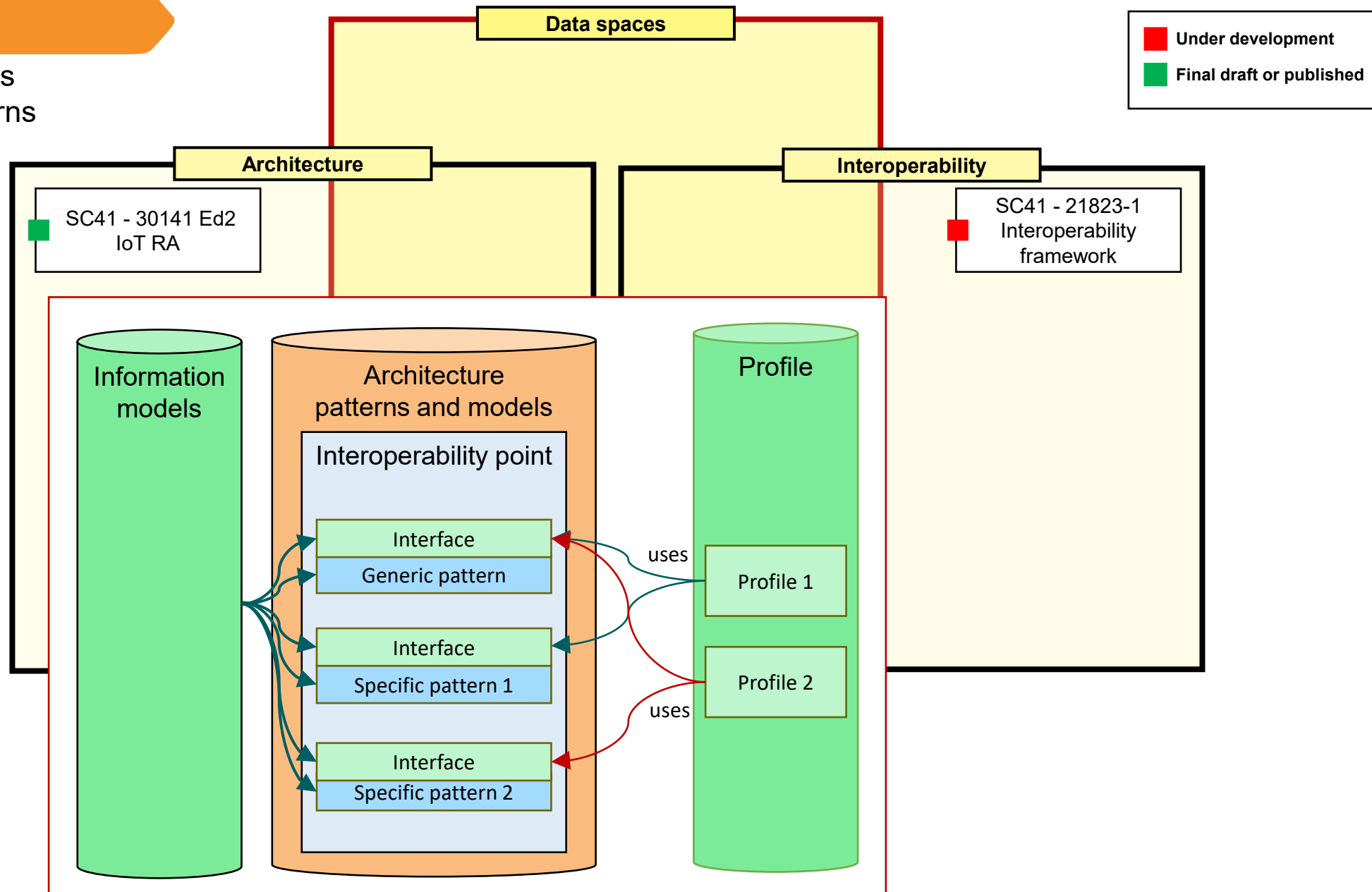


The ECLIPSE project example



The ECLIPSE project example





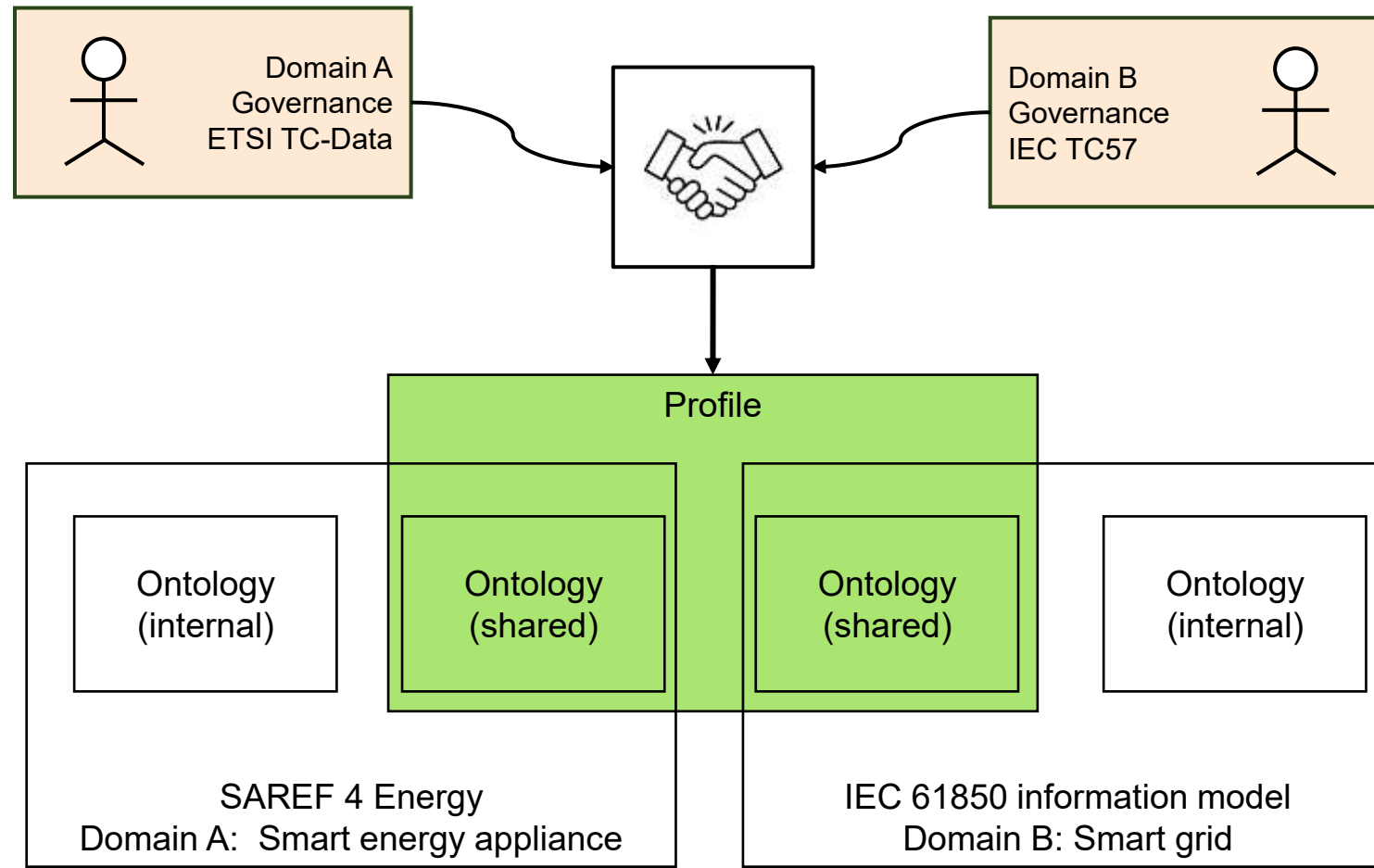
Information model governance

Source

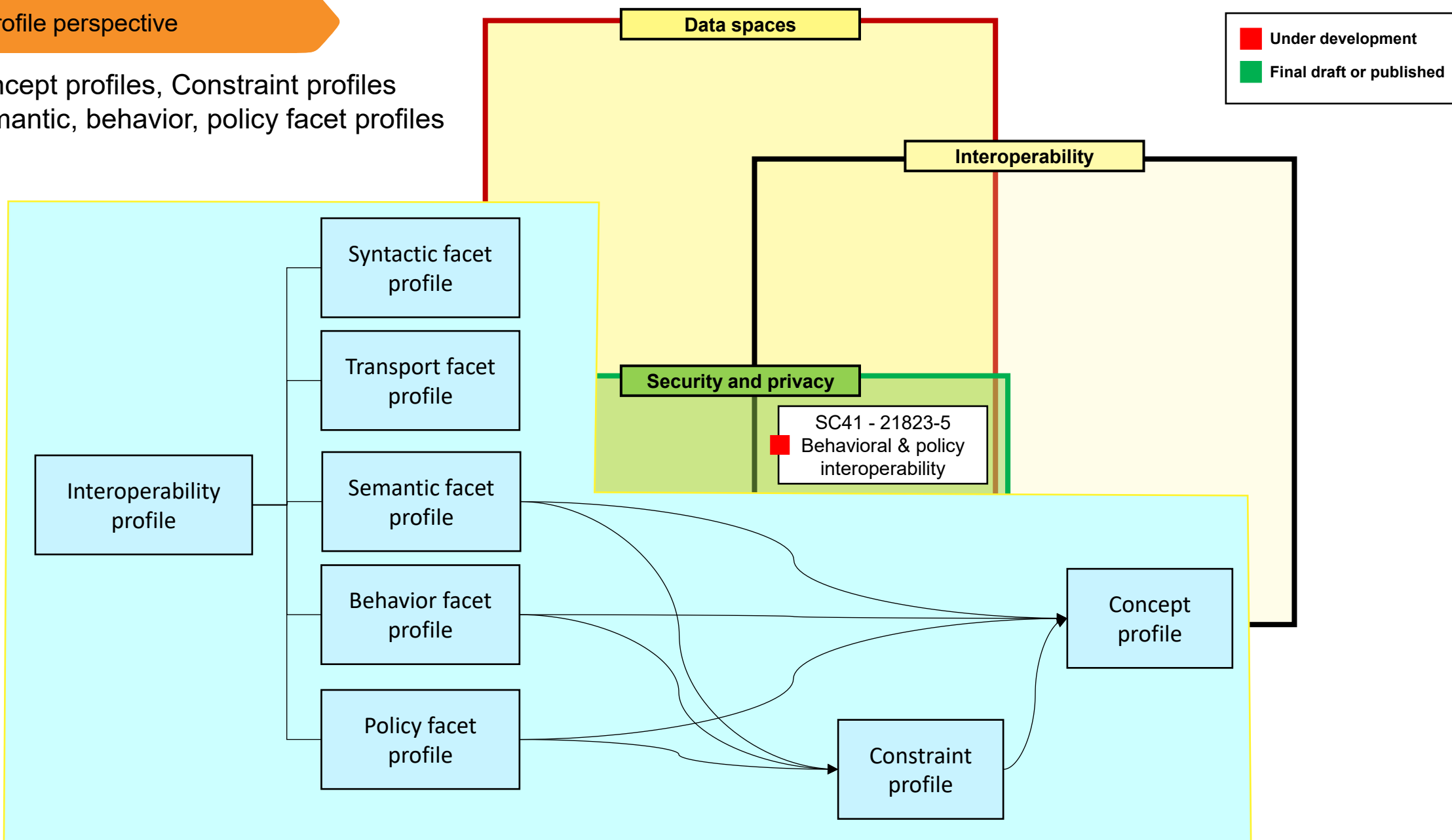
- AIOTI Report: Towards semantic interoperability standards based on ontologies (Oct 2019)

DOI 10.13140/RG.2.2.26825.29282

- ISO/IEC 21823-3 IoT semantic interoperability (Sept 2021)



Concept profiles, Constraint profiles
Semantic, behavior, policy facet profiles



Thank you for your
attention.

Diana Jimenez, Antonio Kung, Trialog