

Open Source Community Day

TwinEU

Flagship project to implement
the Digitalisation of the Energy
System Action Plan (DESAP)

23 - 24 September

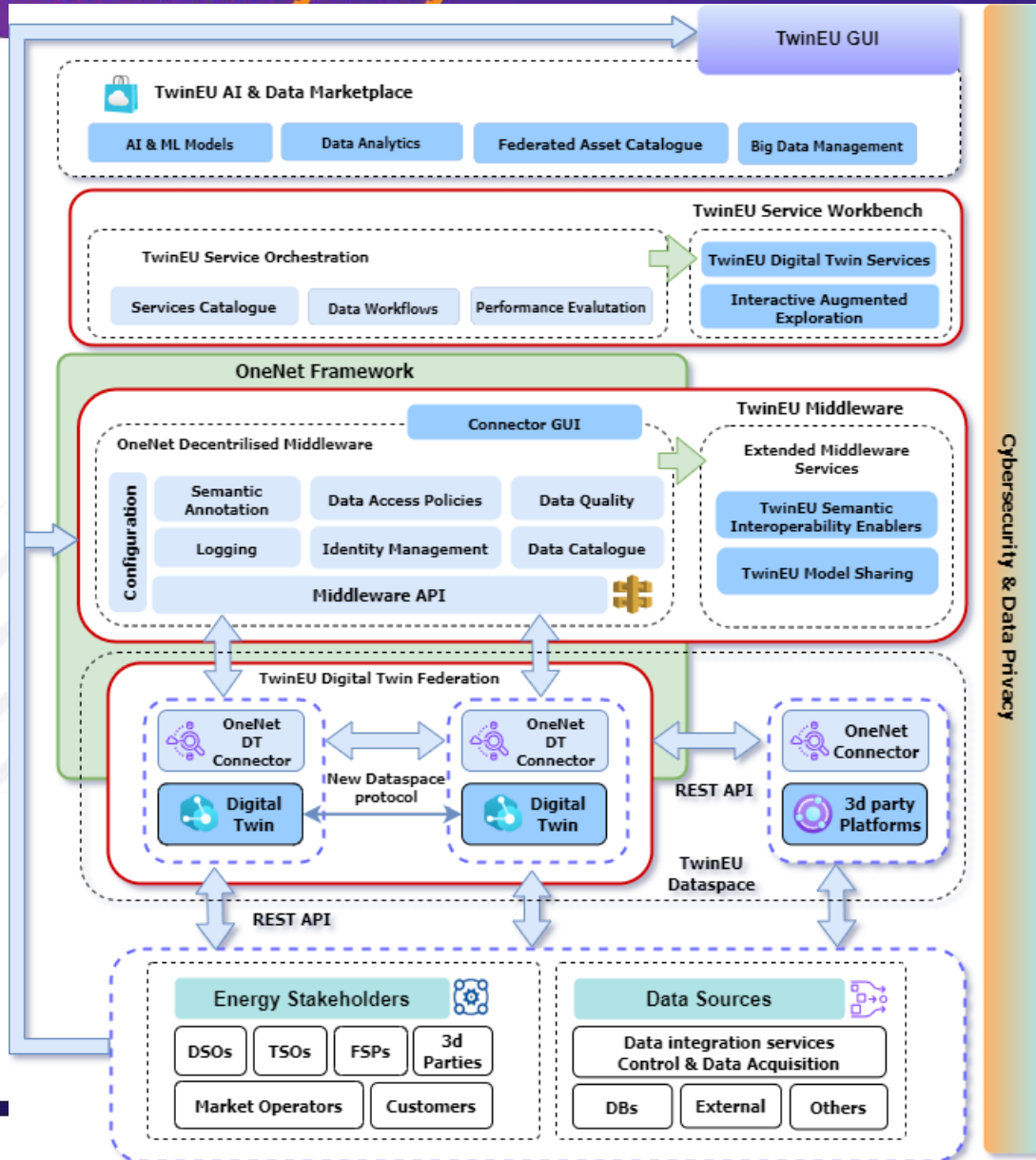


Co-located with
AIOTI Days 2025

Esteban Pastor Calatayud

TwinEU leverages a unique set of competences coming from grid and market operators, technology providers and research centres to create a concept of Pan-European digital twin based on the **federation of local twins** so to enable a reliable, resilient, and safe operation of the infrastructure while facilitating **new business models** that will **accelerate the deployment of renewable energy sources** in Europe.





AI & Data Marketplace

AI/ML Models, Data Analytics and Big Data Mgmt supporting DT development

Service Workbench

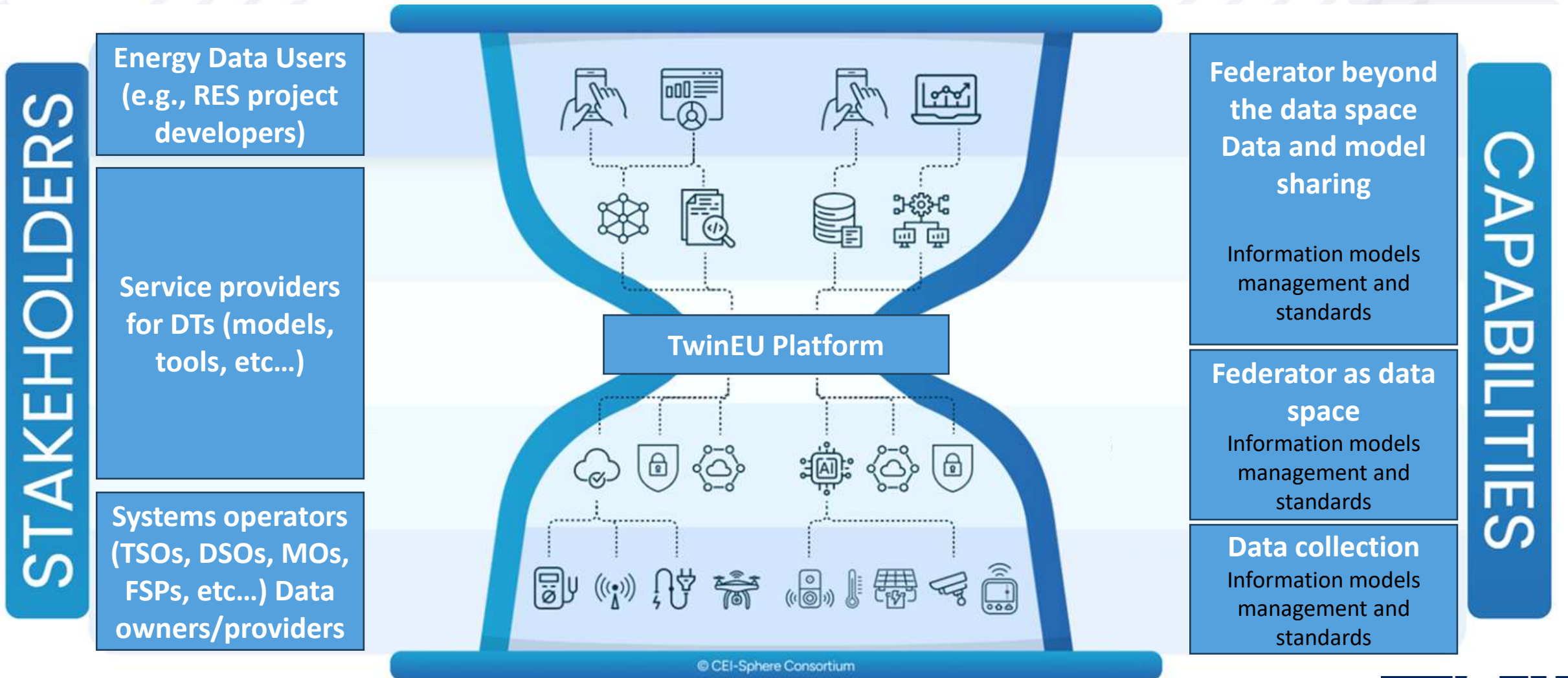
Provides TwinEU DT services and AR Exploration module

Federation Layer

DT Connector implemented in each Digital Twin
Middleware providing Data Quality, Data Access Policies, IDM, Semantic Interoperability, Data/Model catalogue

DT Layer

External DTs managed by energy stakeholders (TSO, DSO, etc.), outside the TwinEU platform



Thank you



TwinEU

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