



OpenOP

by ETSI

Open Operator Platform

**The new ETSI SDG to build an open-source
Operator Platform for the Telco Cloud**

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OpenOP: Background & Motivation

Conceived by **R&D community** – balanced between **industry** and **academia**

- Innovative, ambitious EU projects focused on **next-generation Telecom (B5G/6G)**
 - **SUNRISE-6G**: Flagship EU Research project building a **pan-european 6G Federation** Infrastructure
 - **CAMARA** APIs + **GSMA** Federation Manager API → federated network of **6G testbeds**
- Encompass **hyper-convergence** in **Telco Cloud** technologies (Telecom, Cloud, AI)
- Facilitate **vertical app-oriented** stakeholders to easily access the telco ecosystem
 - Catalyze innovation in verticals (Industrial IoT, Automotive, Smart Cities, eHealth, ...)
- Aim: **impactful** innovations to wider community of **developers, practitioners** and **researchers**
 - Seamless access to a heterogeneous “network of networks”



An open-source Operator Platform for Seamless Network Federation

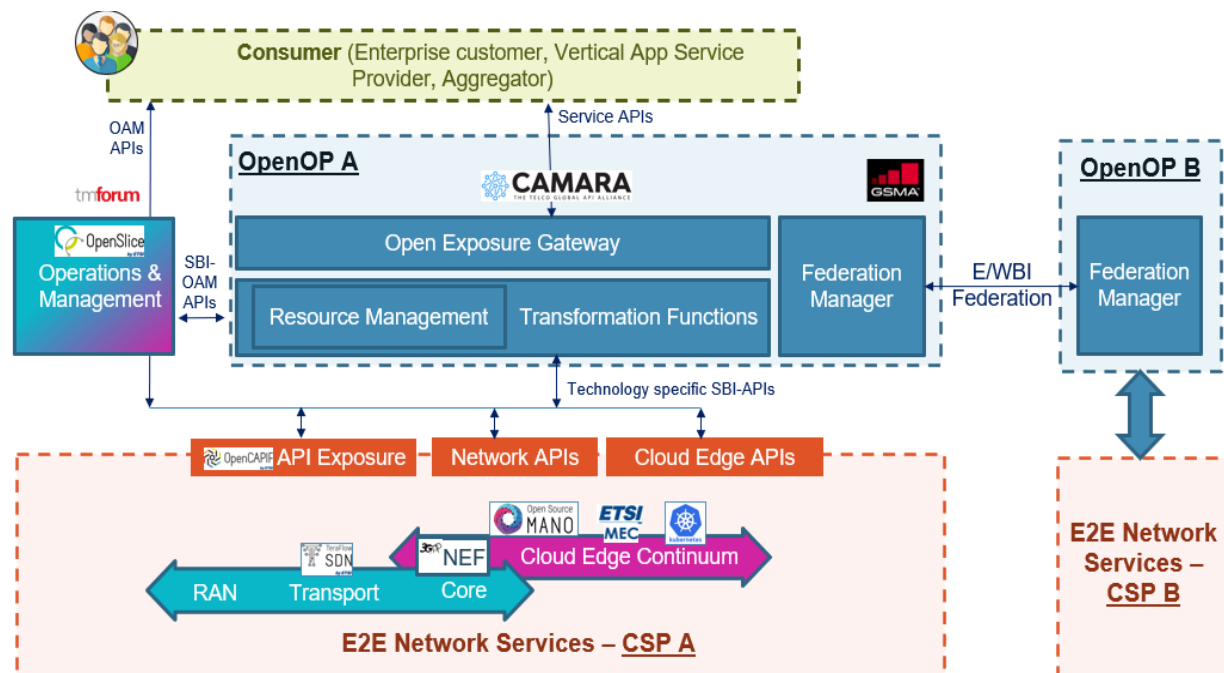


A **unified, federated** framework for **operators, developers & service providers**, accessible for **SMEs** and **research**

- An **open-source Operator Platform** for the **Telco Cloud**, aligned with **GSMA** requirements for seamless **inter-operator federation**
 - Supporting **developer-friendly**, standardized capability exposure APIs (**LF CAMARA**)
 - Integration with a broad range of **southbound platforms** (incl. Kubernetes, 3GPP NEF, ETSI MEC, NFV)
 - Leveraging **3GPP** for mobile and **AI/ML capabilities**
- A neutral, fertile ground for future-proof innovation and collaboration among **telecom operators, vendors, and research institutions**
 - Jointly **experiment, co-develop, and test** new capabilities in an agile and collaborative manner



The OpenOP Ecosystem

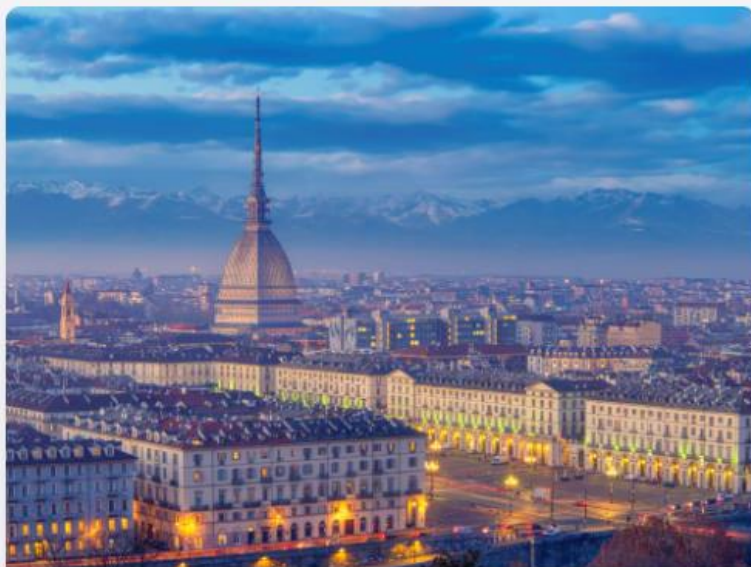


- **Leverage & complement** existing **ETSI SDGs & ISGs** – OSM, OpenCAPIF, OpenSlice, TeraflowSDN, MEC, NFV, ZSM
- **Collaborate** & provide timely **feedback** to key **industry** players, **open-source** communities & **SDOs** (incl. GSMA, LF Camara, 3GPP)
- **Synergies** with **Research** initiatives – SNS JU Projects → Strengthening **Europe's 6G research**



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Kick-off in July 2025



Kick-off Meeting

We are meeting in Turin for the SDG OOP Kick-off Meeting. Participation is open to SDG OpenOP Members and Participants, join us!

#Plenary #Kick-off

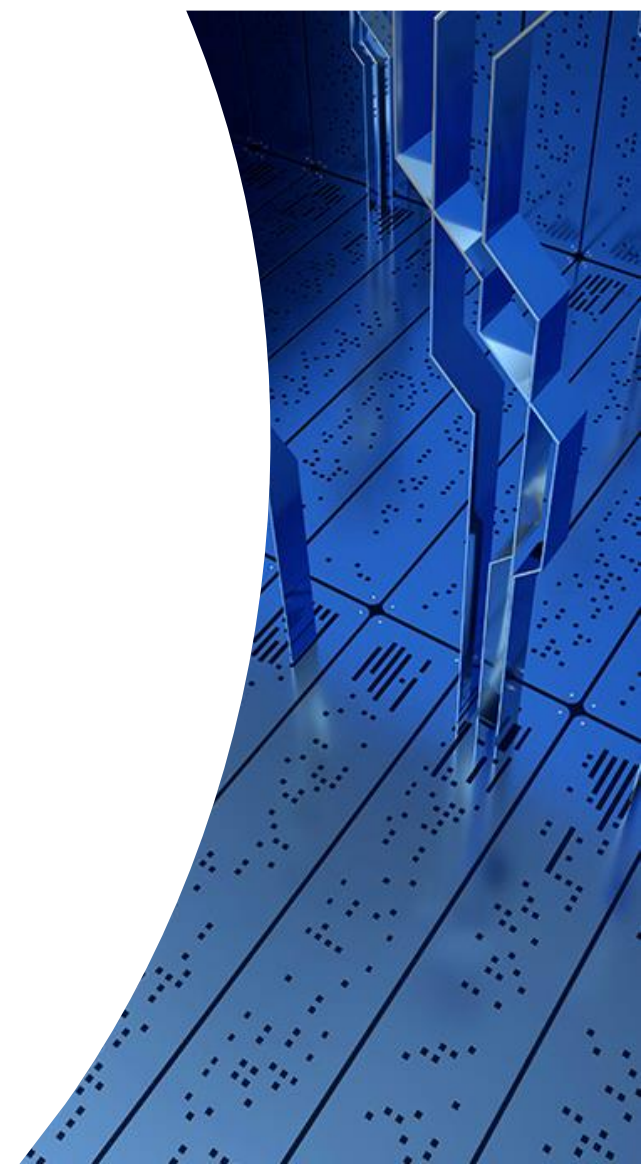


Meeting: OOP#1

01 Jul 2025 · Turin, Italy · 



- 8 founding members
- Approved code seeds from SUNRISE-6G
- Appointed Leadership
- Agreed on Working Procedures

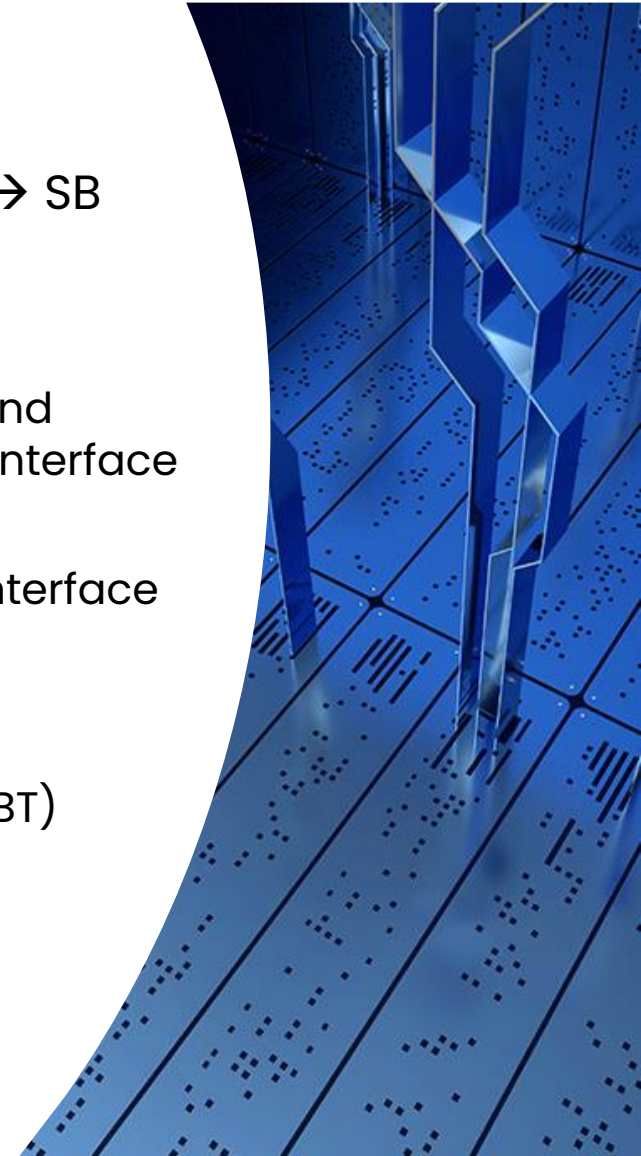


OpenOP Current Status



A **unified, federated** framework for **operators, developers & service providers**, accessible for **SMEs** and **research**

- **Release_0** (08 Sept. 2025): **Core Platform functionalities** (CAMARA APIs → SB technologies + Network Federation)
 - **Code seeds** from Flagship **SUNRISE-6G**
 - **CAMARA APIs** for Edge Cloud App Lifecycle Management and Quality on Demand (QoD) → translation to **5G Core** Network Exposure Function (Open5GS, OpenAirInterface 5GC) and **Kubernetes** cloud-native primitives
 - Network **Federation Management** as defined by GSMA OPG East-Westbound Interface APIs (V4.0)
- **New Members** and Participants
 - From 8 Members in July 2025, to currently 15 Members and 3 Participants (incl. BT)
- Established **strong links** with 5 impactful **6G EU Research Projects**



OpenOP Next Steps

OpenOP will further **intensify activities** towards **impactful innovations** to wider ecosystem of **developers, practitioners & researchers** within the **Telco Cloud** area of hyper-converging technologies—**Telecom, Cloud & AI**

- **Agentic AI + UX**—driven GUIs to foster **hyper-usability** and **adoption** by application providers
- **Developer-friendly discovery, exposure** & seamless **shareability** of AI, data & cloud-native services across network domains
- **Expand** the canvas of **supported northbound** Service APIs (CAMARA) and **southbound** technologies
- **Adoption** by large number of **B5G/6G testbeds** across EU—incl. the committed 14 testbeds of SNS-JU SUNRISE-6G
- **Vertical integration** in impactful sectors incl. healthcare, automotive, media & Industry 4.0 (e.g., via dedicated Task Force)





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Thank You!

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