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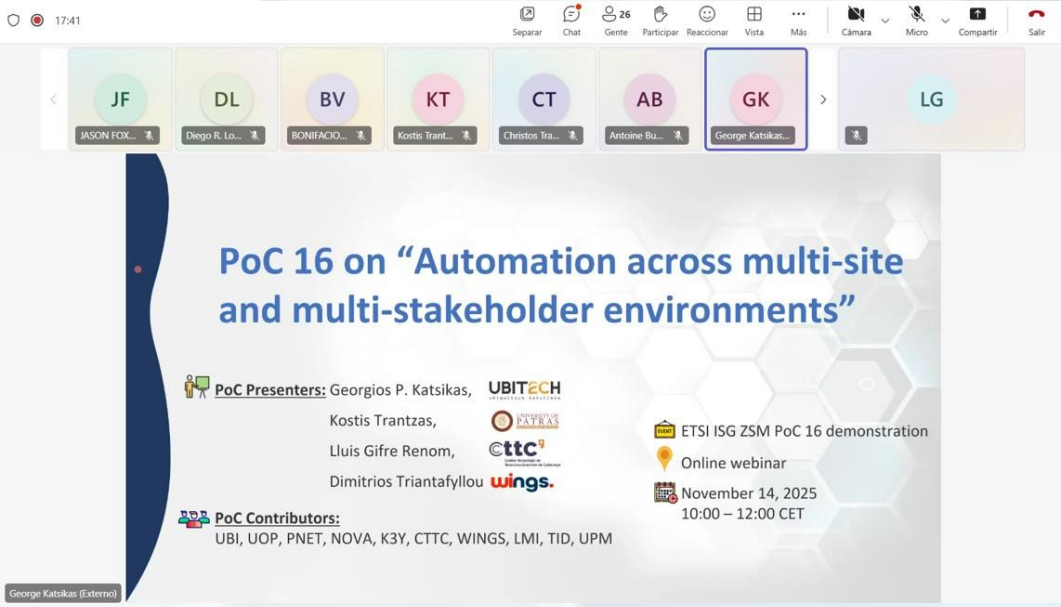
Automated zero-touch cross layer provisioning framework for 5G and beyond vertical services

Press Release

Successful Online Presentation of ETSI ZSM PoC#16 “Automation Platform Across Multi-site and Multi-stakeholder Environments”



27 November 2025

Successful Online Presentation of ETSI ZSM PoC#16 "Automation Platform Across Multi-site and Multi-stakeholder Environments"

We are pleased to announce the successful conclusion of the online presentation for **ETSI ZSM Proof of Concept #16**, titled *"Automation Platform Across Multi-site and Multi-stakeholder Environments."* The event was hosted via the ETSI Portal and proceeded as planned, showcasing significant advancements in cross-domain orchestration.

The session presented the outcomes of PoC#16, exploring how the ACROSS orchestration platform extends across domains and organisations to automatically provision compute, network, and service components while maintaining service levels, security, and trust.

Presenters

- **Georgios P. Katsikas,** UBITECH
- **Kostis Trantzas,** UoP
- **Lluis Gifre Renom,** CTTC
- **Dimitrios Triantafyllou,** WINGS

PoC Contributors

UBI, UoP, PNET, NOVA, K3Y, CTTC, WINGS, LMI, TID, UPM

About the PoC

The presentation demonstrated a scenario where an open orchestration platform, already managing a certain domain in the city of Athens, successfully executed:

- **(i)** The expansion of the orchestration platform towards a new private domain in a zero-trust fashion and with a high degree of automation.
- **(ii)** The automated provisioning of compute, network, and end-user services across the new and the existing domains.
- **(iii)** Policy-based access control towards service components coupled with a proactive preservation of a multi-domain SLA in a truly zero-touch manner.

Acknowledgments

We would like to thank the community for joining the session and exchanging insights into automation and interoperability in next-generation network environments.

We would like to extend our sincere thanks to **Antoine Burckard** and **Diego R. Lopez**, for chairing this meeting.

Additional Resources

Videos related to PoC#16, including demonstration extracts and technical walkthroughs, have been uploaded to ACROSS YouTube channel and are accessible for those interested in revisiting the showcased material.

About ACROSS

ACROSS is a HORIZON-JU-SNS-2022 funded research project that designs and implements an end-to-end service deployment and management platform for next generation networks and services, aiming at unprecedented levels of automation, performance, scalability, and energy efficiency. The platform is further enhanced with a) ***deep end-to-end telemetry*** to unlock visibility of the intertwined network and compute system states, b) ***AI-driven intelligence*** that leverages both the vast number of events originating from the dense IoT ecosystem and detailed monitoring data originating from the ACROSS telemetry sub-system, to generate new insights, c) ***full-stack cross-domain zero-touch provisioning*** via programmable "hooks" that exploit events originating from raw telemetry and AI processed events, and d) ***secure and trusted orchestration mechanisms*** for trusted computing technologies over large and heterogeneous cloud-edge deployments, as well as orchestration and monitoring of the security VNF.

Learn more and be part of the ACROSS community!

https://across-he.eu/

https://www.linkedin.com/company/across-horizon-europe/

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