

# CODECO Final Event & Showcase



## From Concept to Demonstration and Standardization

24th March 2026, 9:00-16:30 CET | fortiss GmbH | Munich, Germany

### 09:00-09:20 | Opening and Welcoming

- **Welcome by Host**, Holger Pfeifer, Managing Director, fortiss GmbH, Germany
- **The IoT-Edge-Cloud continuum perspective**, Christian Cuciniello, HADEA, European Commission
- **CODECO Final event, agenda and flow**, Rute C. Sofia, fortiss GmbH/CODECO Coordinator

### 09:20-09:35 | Introducing CODECO

- **Vision, components, assets and engagement opportunities**, Rute C. Sofia, fortiss GmbH

### 09:30-09:40 | CODECO User Stories

- **Demonstration of the CODECO federated operation**, Giorgios Papathanail, Vasileios Theodorou, Intracom-Telecom/CODECO integration leader

### 09:40-11:00 | World Café Round 1 | CODECO Components in Action

#### *Demonstrations of OSS components in the CODECO framework*

- **Automated Configuration Manager**, Josh Salomon, RedHat, Israel
- **Metadata Manager**, Luis Garcés-Erice, IBM, Switzerland
- **Seamless Workload Migration**, Jürgen Gesswein, Siemens AG, Germany
- **Privacy preservation, decentralised learning and context-awareness**, Efterpi Parakesvoulakou, University Piraeus Research Center, Greece
- **Network Adaptation and Management**, Luis Contreras-Murillo, Telefonica, Spain

### 11:00-11:30 | Coffee-break & Networking

### 11.30-12.10 | Experimentation Framework & Data Tools

#### *Demonstrations of the CODECO automated experimentation tooling sets*

- **CODEF : CODECO Experimentation Framework**, George Koukis, Vassilis Tsaoussidis, ATHENA, Greece
- **CODAG: CODECO Data Generator**, Efterpi Parakesvoulakou, University Piraeus Research Center, Greece

### 12:10-13:30 | Lunch Break & Networking

### 13:30-15:00 | World Café Round 2 | CODECO In Practice | Use-cases

#### *Hands-on sessions across six application domains*

- **P1 | Smart Monitoring of the Public Infrastructure | Smart Cities**, Yanlong Huang, University of Göttingen, Germany
- **P2 | Vehicular Digital Twin for Safe Urban Mobility | Mobility**, Jordi Marias Parella, I2CAT, Spain
- **P3 | Media Delivery Streaming across the Edge-Cloud | Smart Cities**, Luis Contreras Murillo, Telefonica, Spain
- **P4 | Collective Demand Side Management in Decentralized Grids | Energy**, Javier Serrano, David Bermejo Jimenez, University Politecnica of Madrid, Spain
- **P5 | Decentralized, Wireless AGV Control | Manufacturing**, Yujie Ma, Rute C. Sofia, fortiss GmbH, Germany

### 15:00-15:20 | Coffee Break & Networking

### 15:20-16:00 | Beyond the Platform: CODECO Tools & Learning Resources

#### *Learning tools and OSS Toolkits*

- **Eclipse KuDECO Tooling**, David Remon, Eclipse Foundation, Germany
- **CODECO Learning Hub**, John Soldatos, Netcompany, Luxembourg

### 16:00-16:15 Awards & Closing Remarks

**Final Reflections and engagement opportunities**, Rute C. Sofia, fortiss GmbH, Germany



Horizon Europe Grant Agreement 101092696



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## CODECO OFFERINGS



**Open-Source Toolkits, Applications, and Experiments** provide elastic and advanced concepts to intelligently and flexibly manage containerized applications within federated, multi-provider IoT-Edge-Cloud environments.

The **CODECO Learning Hub** serves as a central resource for exploring the CODECO framework and IoT-Cloud-Edge technologies. It features a variety of offerings, including courses, tutorials, demo videos, and technical documentation, catering to users of all skill levels.



**Eclipse KuDECO** offers the essential tools and runtime capabilities required to orchestrate containerized applications across Cloud, Edge, and IoT environments. It is built to function independently or to be integrated seamlessly with Kubernetes.



**The CODECO Use Cases** illustrate the practical application of the framework in various Cloud-Edge-IoT scenarios across four primary domains: Smart Cities, Mobility, Energy, and Manufacturing. Each use case highlights how CODECO facilitates smarter application deployment, efficient resource management, and seamless data flow from cloud to edge.



**CODEF** is an open-source platform designed for rapid and repeatable experimentation in the IoT-Edge-Cloud space. Developers can define comprehensive experiments using a single declarative configuration. CODEF then automatically provisions the necessary infrastructure, executes the experiment, and visualizes the results.

## PROJECT INFORMATION

Start Date: **01. January 2023**

End Date: **31. March 2026**

Project ID: **101092696**

Programme: **Horizon Europe**

Keywords: **Edge, Cloud, Kubernetes, orchestration, IoT, federated Learning, data, network, computation**

Main Contact Person (Coordinator)

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Website



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CODECO

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