ICOS
IoT 2 Cloud Operating System

Welcome

Welcome to the ICOS project, we are really proud of sharing with you our third Newsletter. In this edition of the Newsletter, we focus on the results of our 1st Open Call and the consortia winners to partner for the support programme part of the project. ICOS 1st Open Call winners will develop a use case within a specific sector through ICOS technology.

Stay tuned to our website, Linkedin @EU Project ICOS, Twitter/X @icos-project or Mastodon @icos_project@fosstodon.org for periodic releases of the ICOS Newsletter and our blog posts throughout the life of the project, intended to disseminate key project results and achievements.

Short overview of the ICOS 1st Open Call results

A total of 59 submitted proposals were received for this call.

• 59 Eligible proposals

• 53 In scope after In/Out Scope Screening

• 53 proposals evaluated by 3 external experts

• 23 proposals above threshold after the external evaluation.

5 proposals were selected for funding for a total amount of 1,000 000 EUR.

The detailed information about the Open Call, the selected proposals and related events can be found on our website at https://www.icos-project.eu/1st-open-call-results.

ICOS 1st Open Call winning projects[1]

GridSync

IoT solution (Linc) for real-time, scalable monitoring of transformers and grid networks - tracks different parameters, with which feeds into AI-Energy's algorithms, data pre-processed by Linc's edge devices for real-time analytics.

ICOS developed software will serve as an end-to-end architecture for better interoperability, scalability, and operational efficiency.

ICOSmart

[1] Information provided through Application form submitted by an official representative of each winning project: LincLab Network SL, Kentyou, Secmotic Innovation SL, Logicmelt, SolutiONN OÜ.

Kentyou and Data in Motion will build the base for an integrated mobility hypervisor that will monitor various events occurring in the road infrastructure in Jena, Germany.
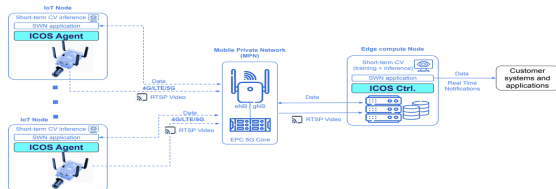
ICOSmart project aims at leveraging ICOS' distributed Meta-OS to facilitate creation of privacy friendly and data-driven applications that require dynamicity and context awareness.

The SafeWorkNet (SWN)

Secmotic and Inerco will deploy an innovative digital occupational safety and health (OSH) monitoring system based on a 5G network with machine vision capabilities.

Powered by ICOS orchestration, SWN will ensure a distributed, collaborative and resilient real-time OSH system.
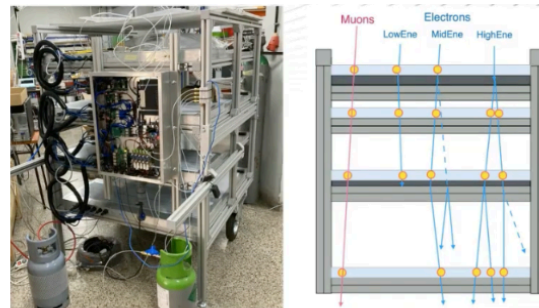

Distributed Cosmic Ray Observatory Continuum

Logicmelt and Hidronav Technologies aim to create a network of next generation sensors based on cosmic rays detectors to generate

unprecedented data for Climate and Space Weather applications in real time.

Project will use the ICOS framework to create a more scalable solution that makes use of the Edge-Cloud continuum to deploy and adapt the existing system to any location in the world.

STRATOS detector

SHMart4Bridges

SolutiONN and DCube engineering aim to apply the ICOS framework to a bridge Structural Health Monitoring (SHM) problem stemming from the Servia High Bridge in Greece.

The project will go beyond the state of the art by providing a set of advanced sensory & analytics services (an early warning/alarm system, strain and stress data presented on a dashboard and a retrofit recommendation system) by leveraging ICOS continuum.