

Join FluidOS in the pursuit of creating an open and collaborative ecosystem focused on the development of a multistakeholder market of edge services and applications, promoting European digital autonomy.



**FOLLOW US!**  
**STAY TUNED! GET INVOLVED!**



[www.fluidos.eu](http://www.fluidos.eu)



[@Fluidosproject](https://twitter.com/Fluidosproject)



[linkedin.com/  
company/fluidos](https://www.linkedin.com/company/fluidos)

**CREATING A FLUID, DYNAMIC, SCALABLE,  
AND TRUSTABLE COMPUTING CONTINUUM.**

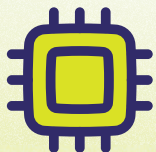


The FluidOS project has received funding from the European Union's Horizon Europe Research and Innovation Programme under Grant Agreement No 101070473



**FLUIDOS** (Flexible, scaLable, secUre, and decentrallised Operating System) aims to leverage the enormous, unused processing capacity at the edge, scattered across heterogeneous edge devices that struggle to integrate with each other and to coherently form a seamless computing continuum.

## UNDERLYING CONCEPTS



People do not care which CPU core/edge device is used by their application running locally.

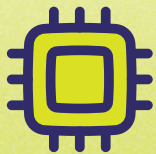


People do not care which server is used by their cloud services.



People care when their smartphones can no longer run applications.

### TRANSFORMS TO:



- Create a substrate where your application works in the best location.
- Simplify applications deployment and management. Make better use of available resources.
- For greener, more efficient, and no lock-in distributed computing.



**Additional (orthogonal) dimension:** capability to handle multiple administrative domains.

## FLUIDOS HAS THE OBJECTIVES TO:

1

**Fluidify the edge and unify it with the cloud** through a borderless, decentralised continuum leveraging automatic, autonomous resource discovery and integration.

2

**Move the gravity outside the data centre**, creating a cross-provider, community-based computing and service fabric leveraging open-source software.

3

Orchestrate services and **hyper-distributed applications in a continuous, automated fashion** over multiple devices and domains, leveraging energy-efficient AI learning algorithms and training for mobility/behaviour prediction and traffic forecasting.

4

Introduce a **Zero Trust paradigm** aimed at securing the access of geographically scattered resources in an authenticated, authorised manner.

5

Enable the **emergence of a multi-stakeholder market of edge services and apps**, independent from cloud providers and crucial to ensuring European digital autonomy.