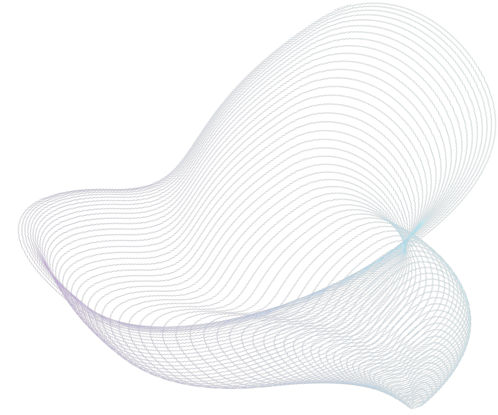# Cognitive edge-cloud with serverless computing

EDGELESS demo

Claudio Cicconetti (CNR-IIT), Álvaro Curto Merino (Telefónica)

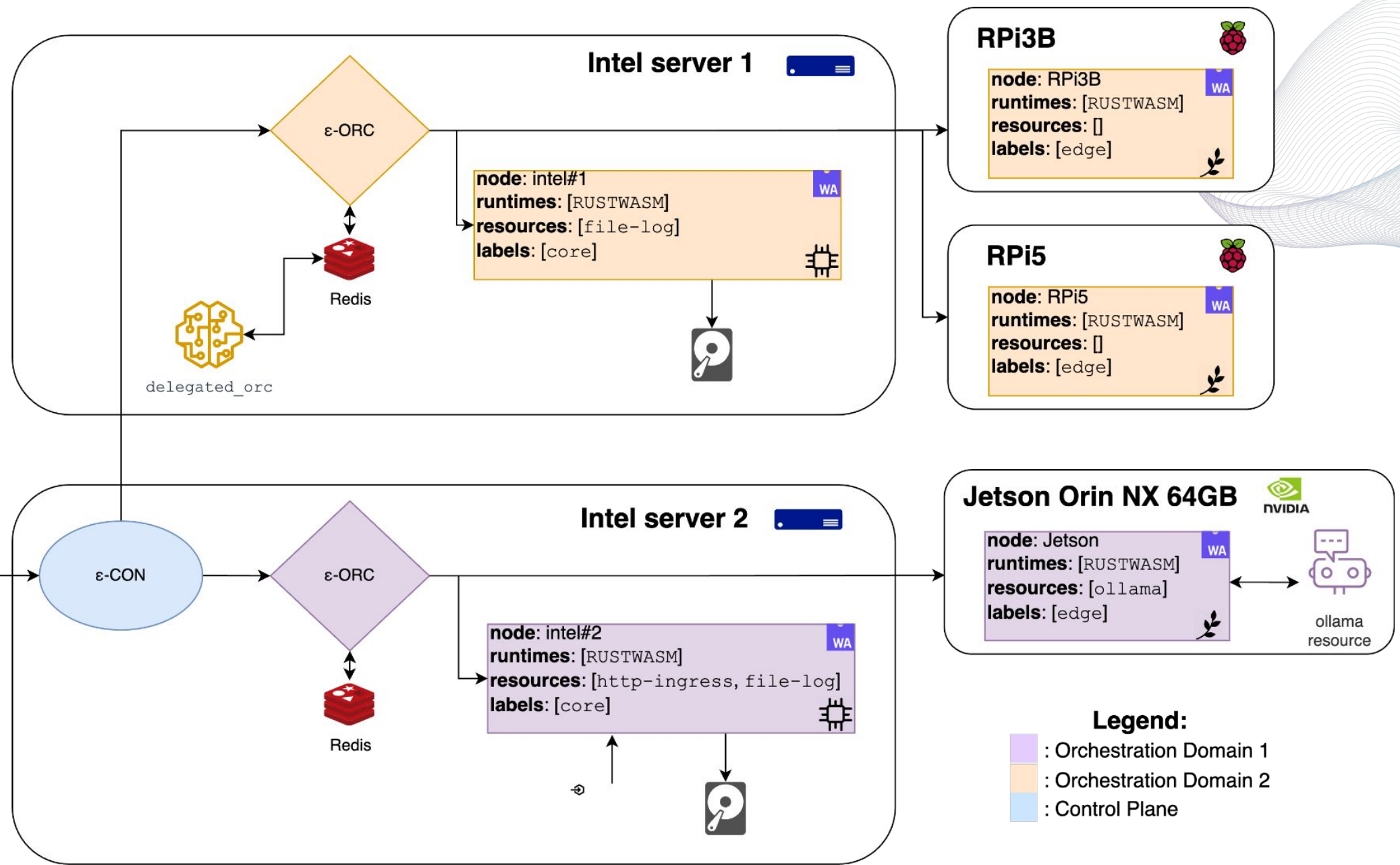National Research Council of Italy
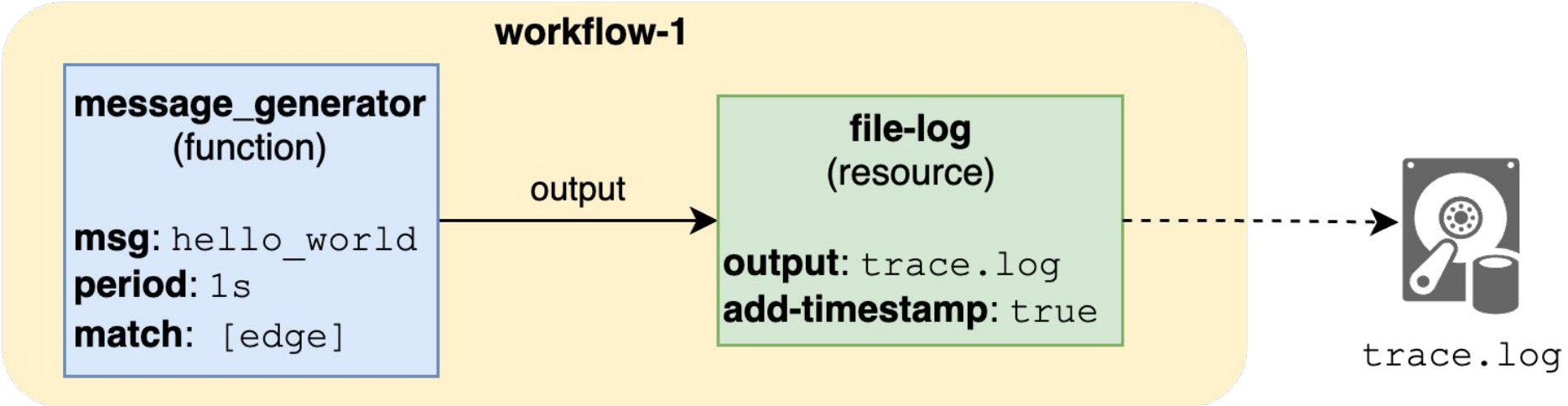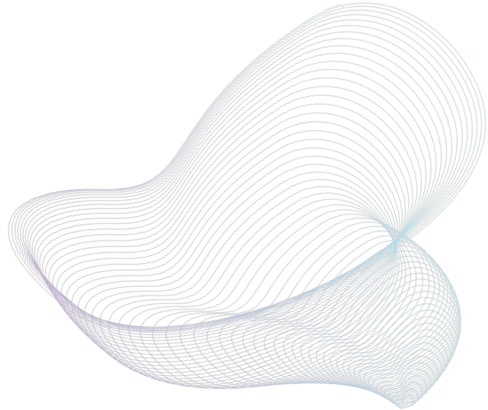
ISTITUTO DI INFORMATICA E TELEMATICA

Telefónica

EDGELESS

Intel server 1

ε-ORC

Redis

delegated_orc

node: intel#1
runtimes: [RUSTWASM]
resources: [file-log]
labels: [core]
WA

RPi3B

node: RPi3B
runtimes: [RUSTWASM]
resources: []
labels: [edge]
WA

RPi5

node: RPi5
runtimes: [RUSTWASM]
resources: []
labels: [edge]
WA

edgeless_cli

Intel server 2

ε-CON

ε-ORC

Redis

node: intel#2
runtimes: [RUSTWASM]
resources: [http-ingress, file-log]
labels: [core]
WA

Jetson Orin NX 64GB

node: Jetson
runtimes: [RUSTWASM]
resources: [ollama]
labels: [edge]
WA

ollama resource

Legend:
: Orchestration Domain 1
: Orchestration Domain 2
: Control Plane

2
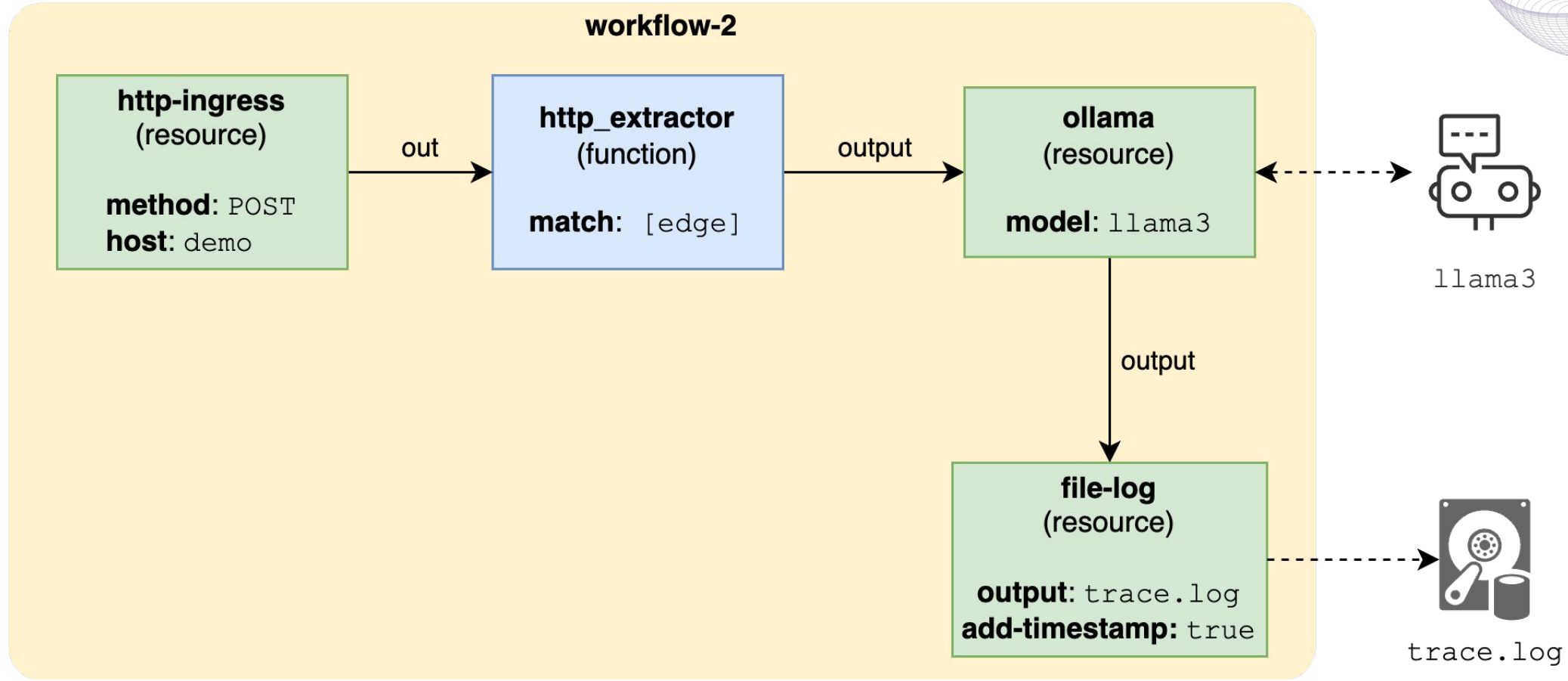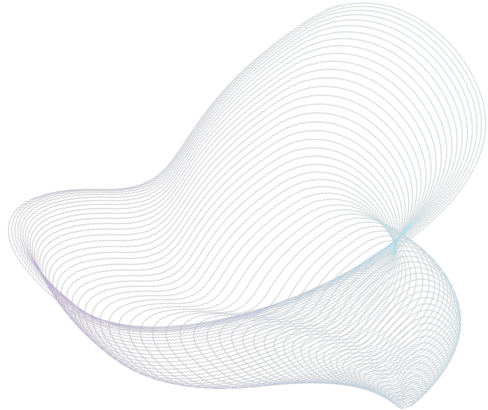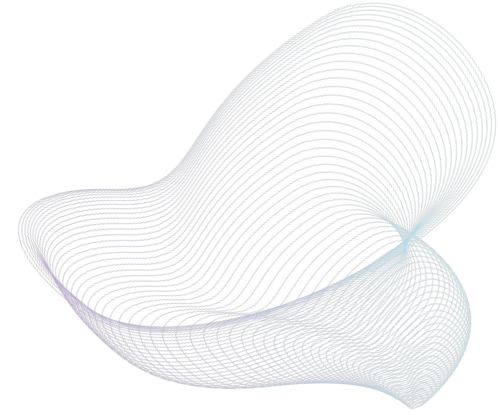
Example workflow#1

Example workflow#2

EDGELESS: open-source reference implementation

⚖️ MIT license

⌗ `https://github.com/edgeless-project/edgeless`

🌐 `https://edgeless-project.eu/`