

[ 13:00 - 16:45 CET ]





Workshop: "Cloud Server Infrastructure: Perspectives on Hardware and Software from the RISER Project"

**Manolis Marazakis – FORTH** 

November 27, 2024





Grant agreement: 101092993

Start date: 1/1/2023 (duration: 3 years)



## **Wiser Main Challenge (Mission Statement)**

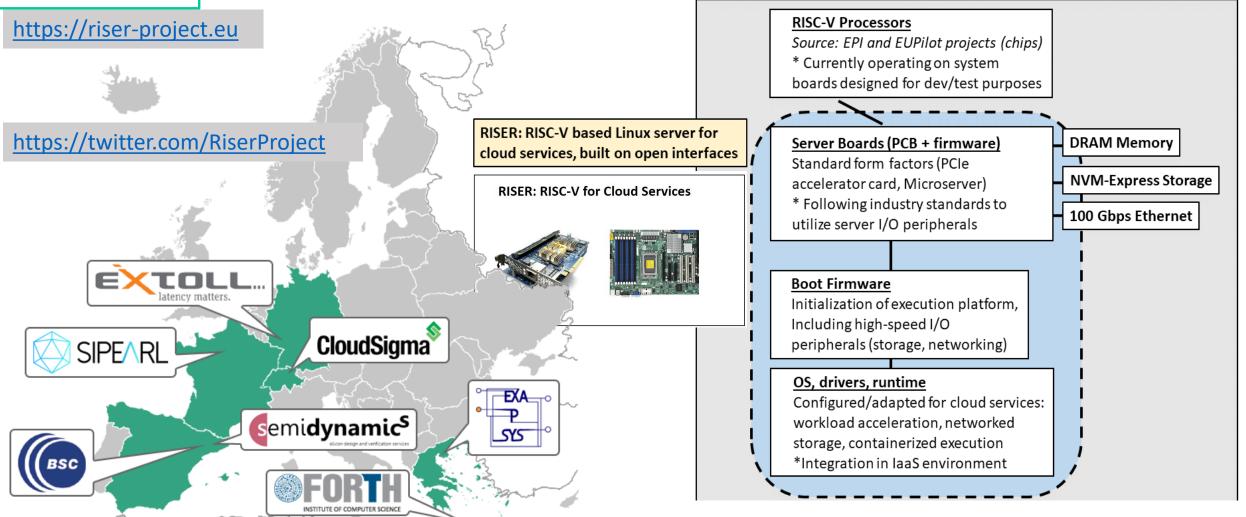
Can we design and build data-center system platforms based on open standards in Europe today?



+ Arm ISA (sovereignty-focused projects funded by EuroHPC Joint Undertaking, mainly for HPC)

+ Cloud roadmap

## iser Consortium & Tech. (HW + SW)



**Integrated all-European Hardware and Open-Source Software** for Cloud Services and Applications



# Wiser Overview of workshop agenda

**Arm Server Roadmap for Cloud [40']** 

+ Q&A and Panel [40']

- Roberto Mostallino SiPEARL (project partner)
- Cloud roadmap for Arm SoC
- RISC-V Server Software Landscape [45']
  - Oliver Perks -- Rivos Inc & RISC-V Software Ecosystem (RISE)
  - Current state of software readiness for server class RISC-V CPUs
- Tools for RISC-V Platform Bring-up [30']
  - Nick Kossifidis FORTH (project partner)
  - Linux environment for early-stage bring-up & verification (incl. no-mmu)
- RISC-V Server SoC [45']
  - **Ved Shanbhogue -- Rivos Inc & RISC-V International**
  - Key hardware capabilities, collaborative efforts and partnerships



### Riser Next workshop: Jan. 22, 2025 (in conjunction with HiPEAC'25 @ Barcelona)

- "CompContinuum: Computing Continuum of Cloud, Edge, and IoT Technologies" - Half-day workshop on Jan. 22, 2025
  - Co-organized by ensemble of 4 "sibling" projects (AERO, openCUBE, RISER, VITAMIN-V)
  - workshop webpage: https://www.hipeac.net/2025/barcelona/#/program/sessions/8199/



Thank you for your attendance today. See you at HiPEAC'25!



### Thank you for your attention

### Disclaimer:

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