

# Microarchitecture Research: The View from the Globe

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# The European Processor Initiative

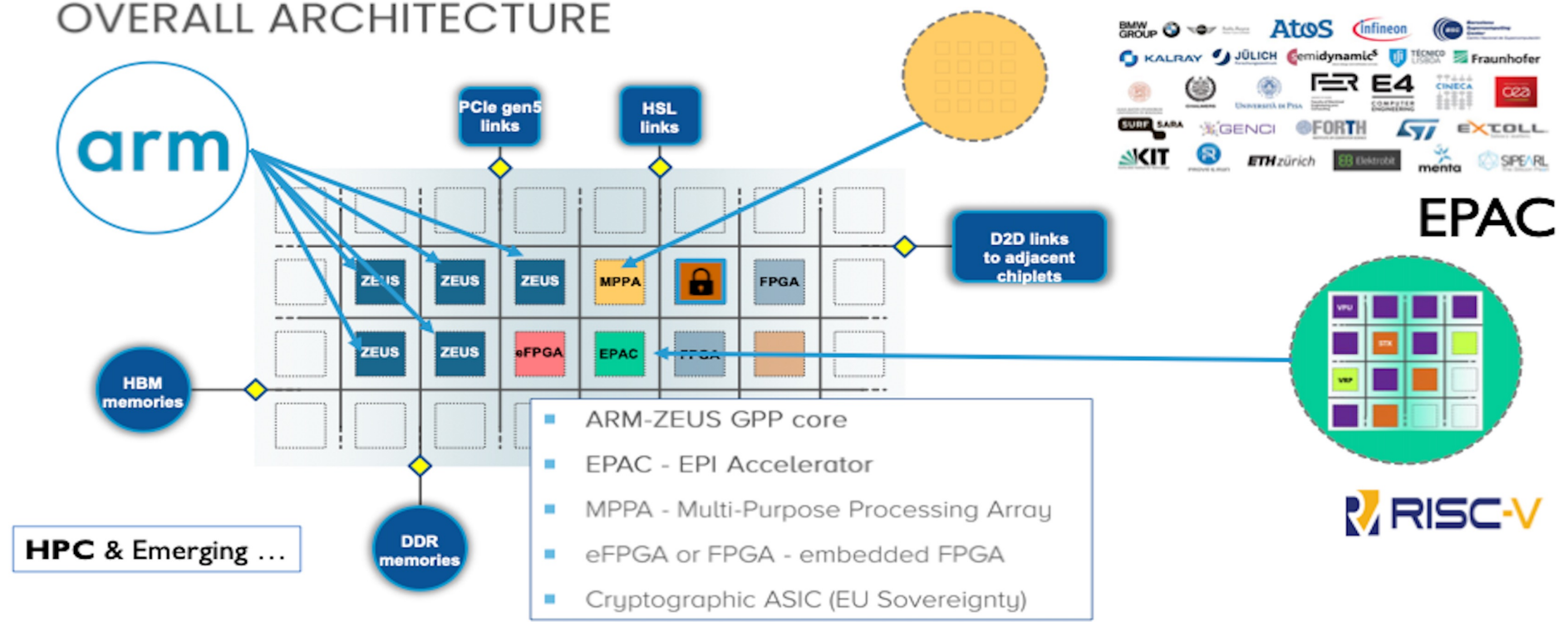


- In 2017, the European Processor Initiative was launched – A ~10 Billion Euro initiative
- **Objective:** “Develop a European high-end next-generation processor with a world-class supercomputing ecosystem
- Backed by 30+ countries with European plus national funding – The EuroHPC Joint Undertaking.

# 28 PARTNERS from 10 EU countries



# OVERALL ARCHITECTURE



HPC & Emerging ...

# Agenda Moving Forward – My View



- The accelerator centric era is here to stay
- Challenges
  - Identifying broad application domains in need of acceleration is key
  - Cross-layer interaction will be a necessity
  - General-purpose special-purpose computing
  - The memory bottleneck is worsening with data centric applications

We have a lot to do moving forward...