

# EUROPEAN EXASCALE PILOTS

TOWARDS EU DIGITAL SOVEREIGNTY



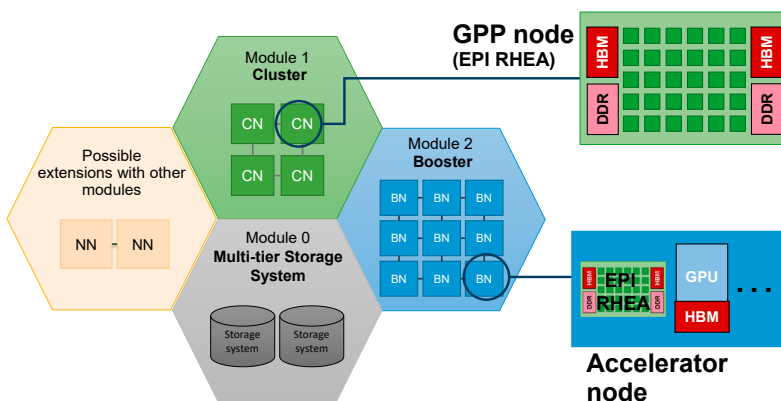
- **Two Projects for Pilots of Exascale Systems based on European Technology**
- **EUPEX: General-Purpose Processor Rhea (ARM)**
- **The EU PILOT: Accelerator Processors VEC+MLS (RISC-V)**
- **Project start: 2021/2022**



- Platform for
  - Rhea (European Processor)
  - BXI (European Interconnect)
  - European software stack
- 19 partners, start Q1 2022
- JSC: MSA experience, performance tools, AI applications



- Platform for
  - VEC: Vector Accelerator
  - MLS: ML & Stencil Accelerator
- 19 partners, start Q4 2021
- JSC: Accelerator experience, numerical libraries



- Inclusion of Rhea into JSC's Modular Supercomputing (MSA) vision
- First results in 2023