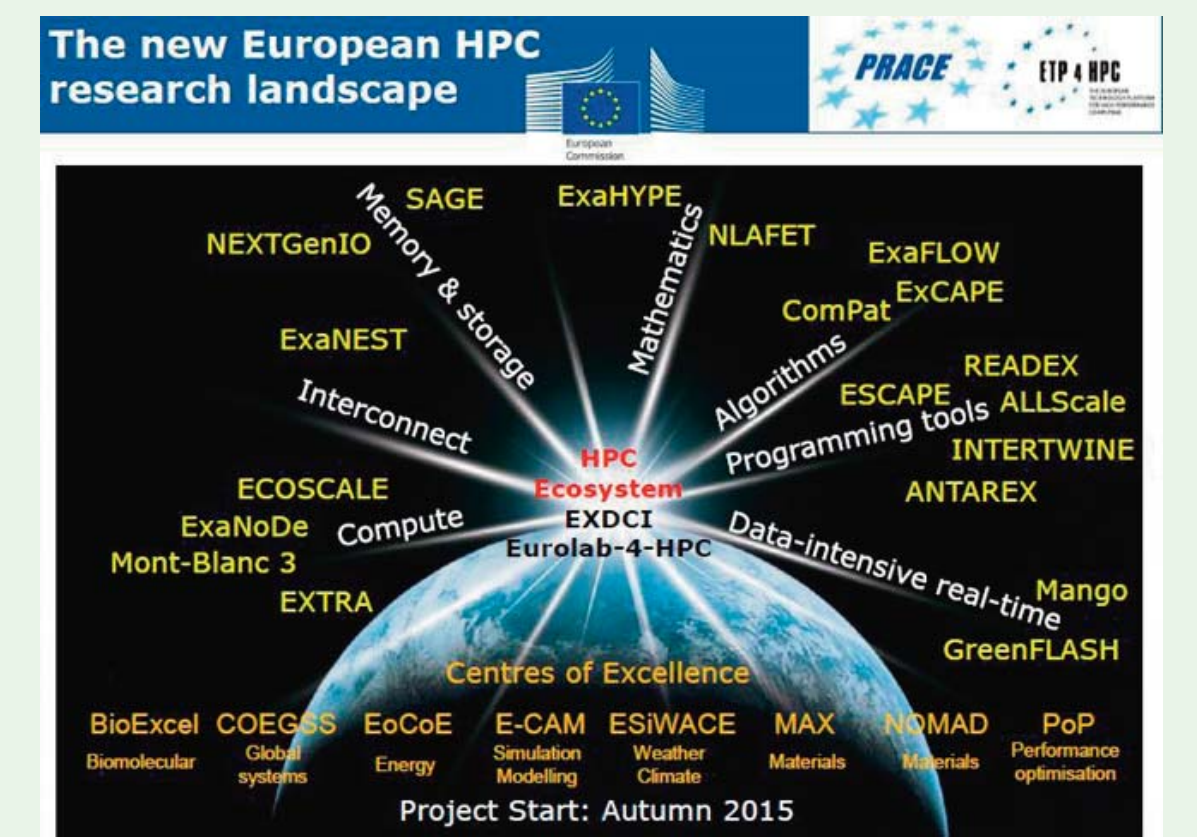


EUROPEAN EXASCALE SYSTEM INTERCONNECT AND STORAGE

www.exanest.eu

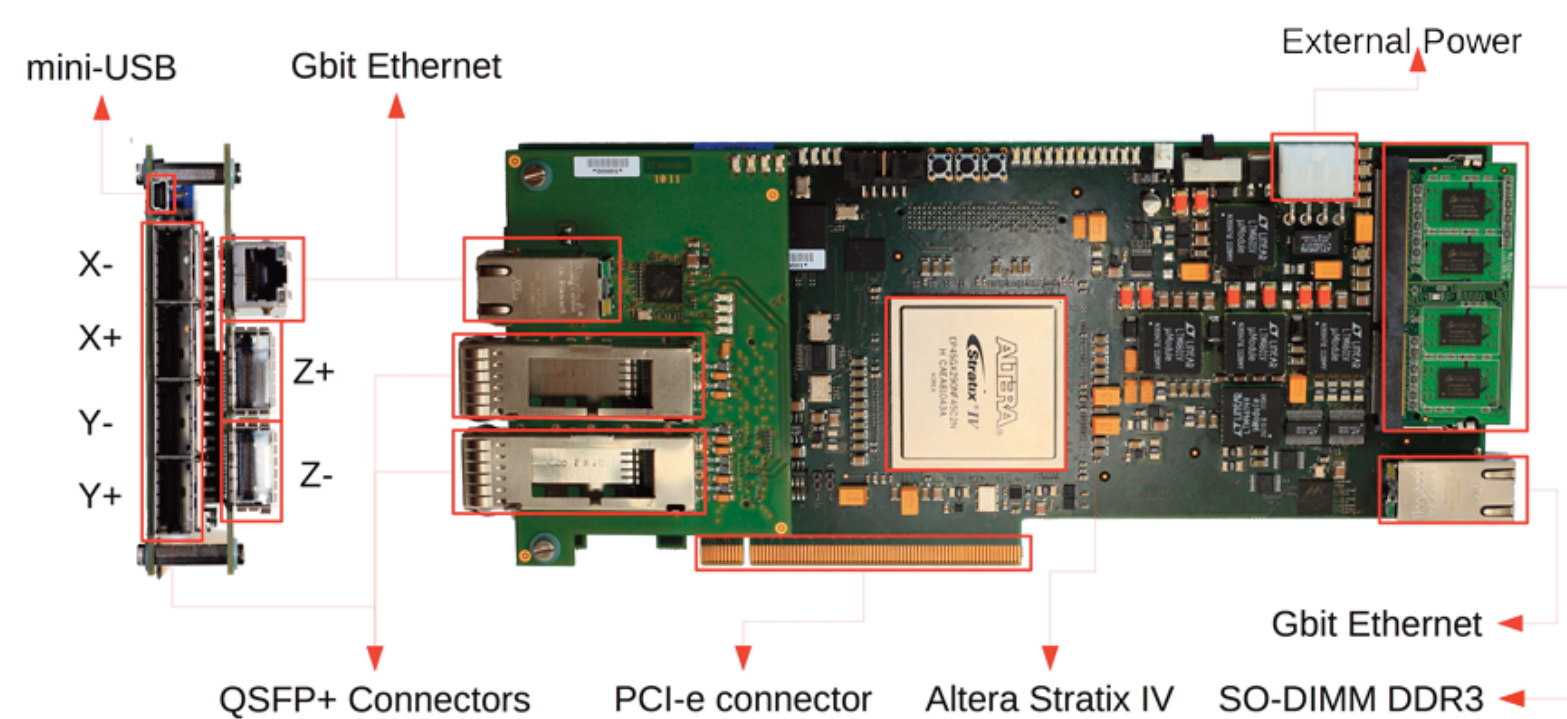


INTERCONNECTS

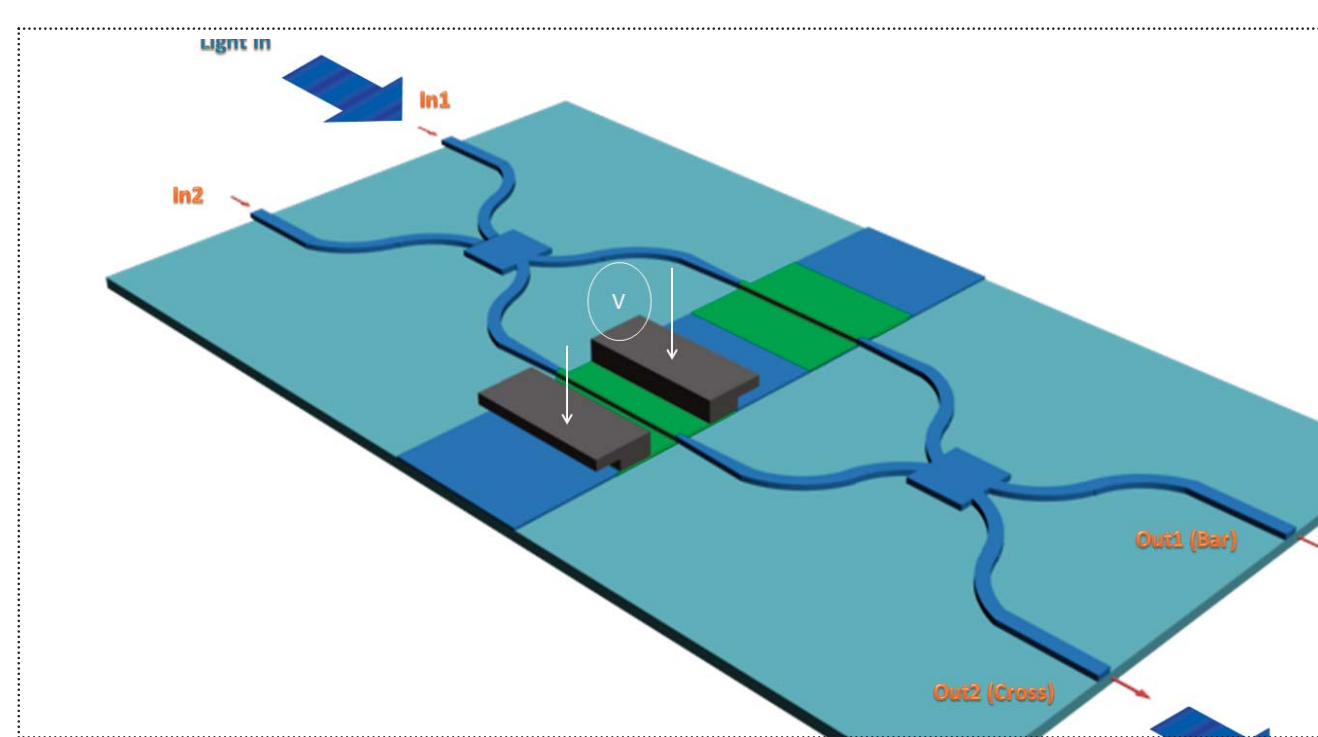
Low latency, high throughput,
unified compute & storage traffic.



Formic, by FORTH



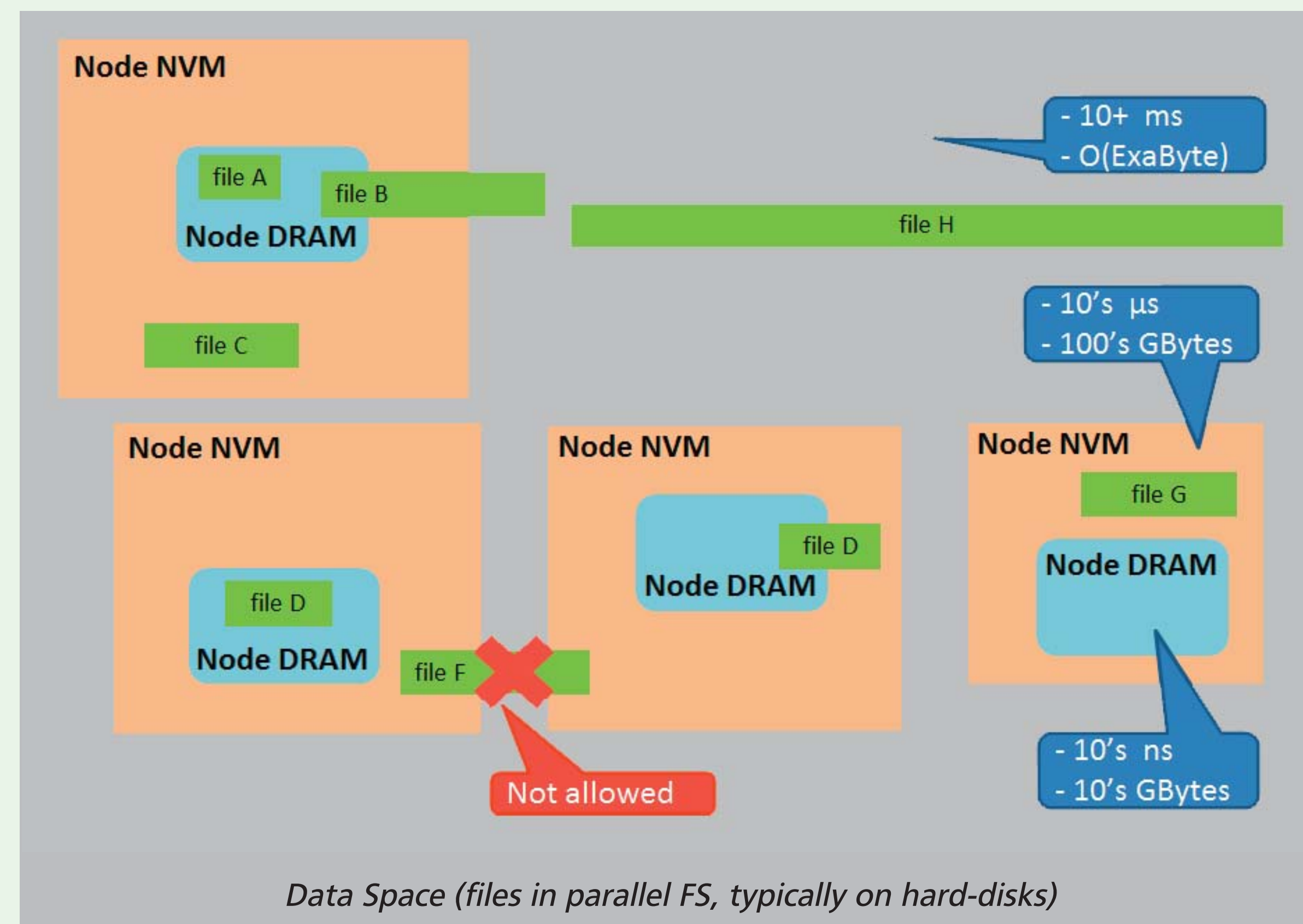
Apenet, by INFN



Optics, UPV

STORAGE

Fast, distributed, in-node
non-volatile memory.

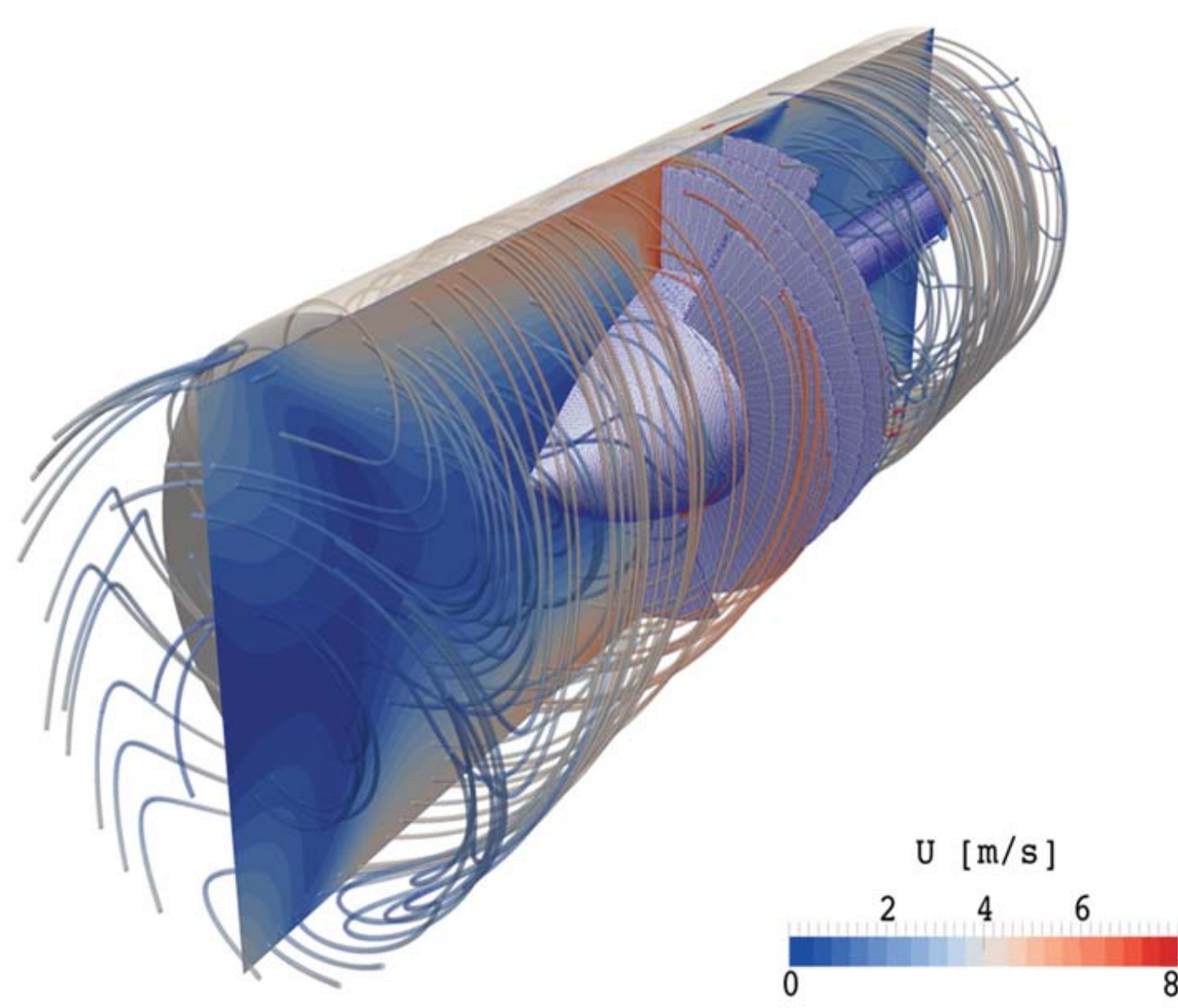


PACKAGING

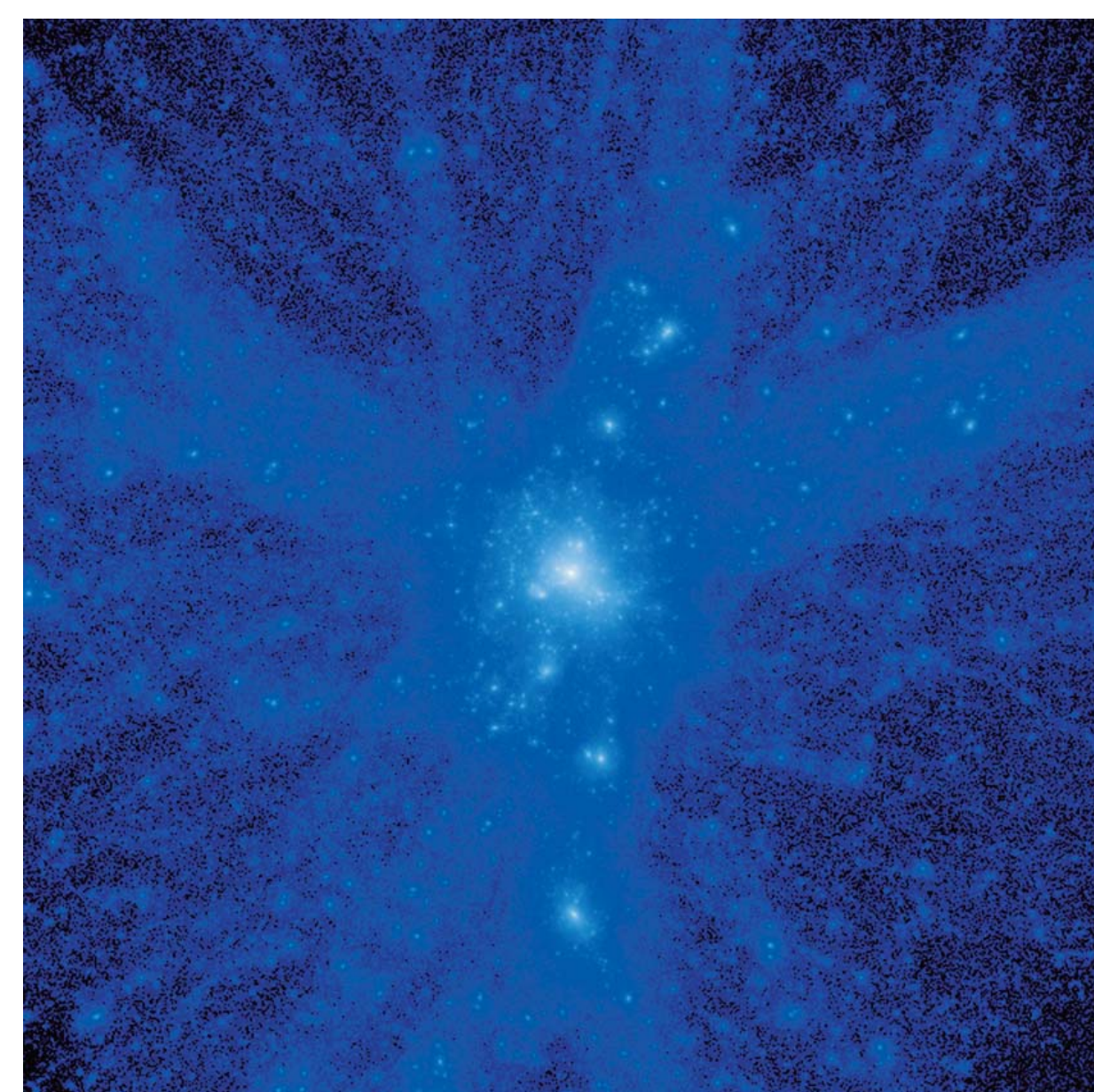
Compact, fully-immersed
liquid cooling technology.



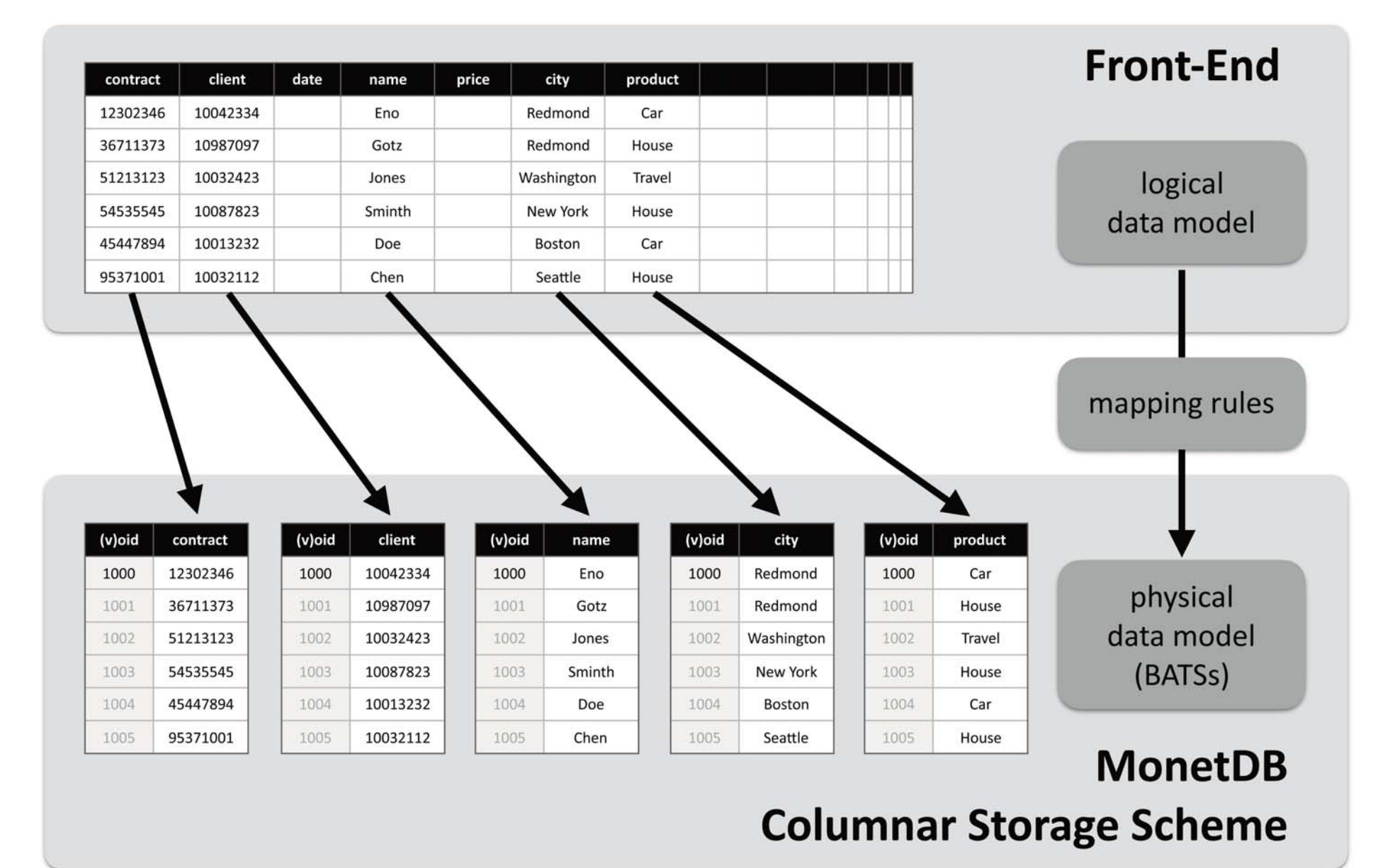
APPLICATIONS: Real, Scientific & Data-Center
Used to identify system requirements;
Tuned versions will evaluate our solutions.



Flow Simulation; EnginSoft

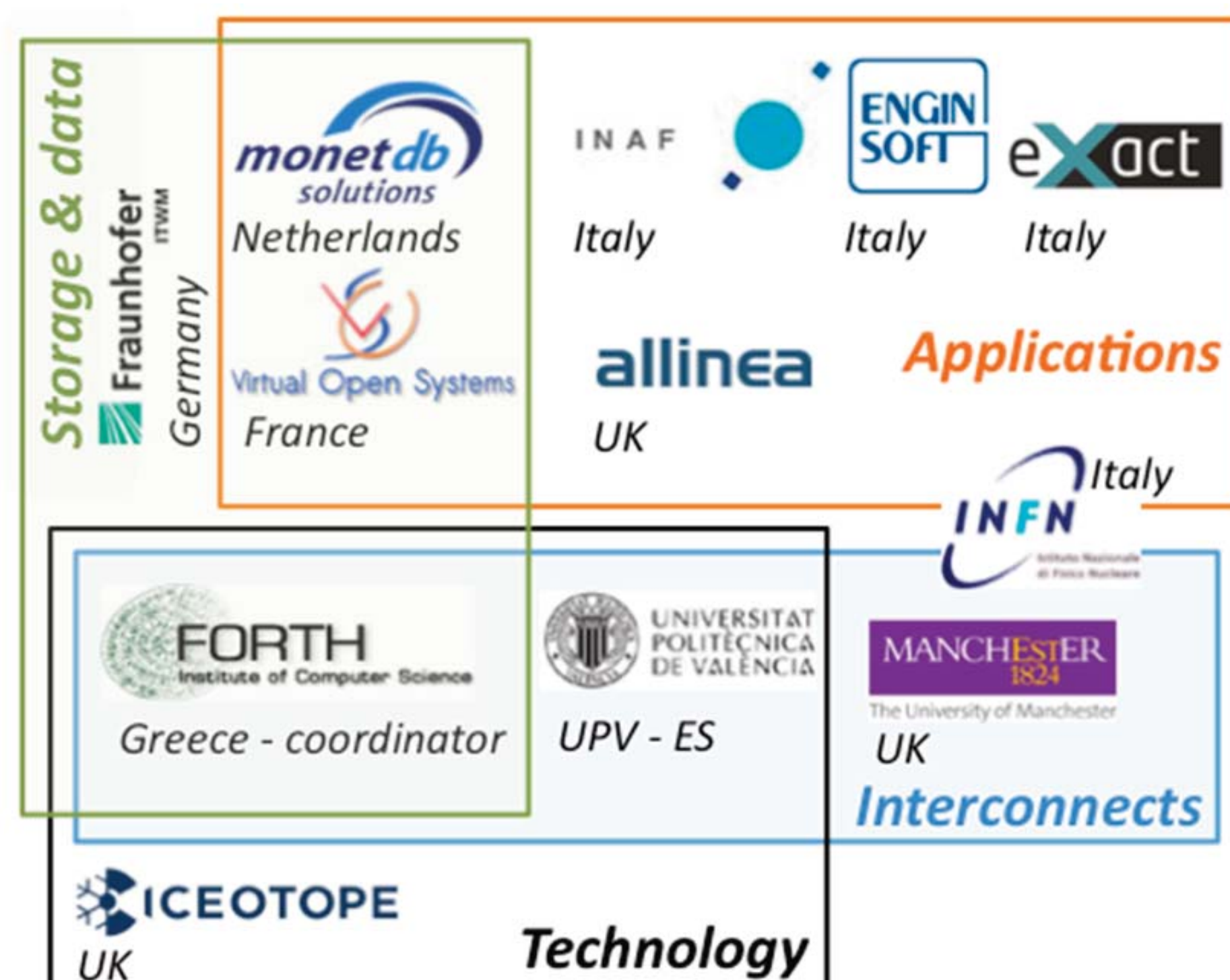


Simulated Galaxy Cluster, using Gadget by INAF



Data Analytics - In-Memory Databases, MonetDB Solutions

The ExaNeSt Consortium:



PROTOTYPE TO BE BUILT:

1000+ ARM cores

From EuroServer:

Low Energy;

UNIMEM Address Space;

Shared I/O.

With ExaNoDe & ECOSCALE:

FPGA Accelerators.

