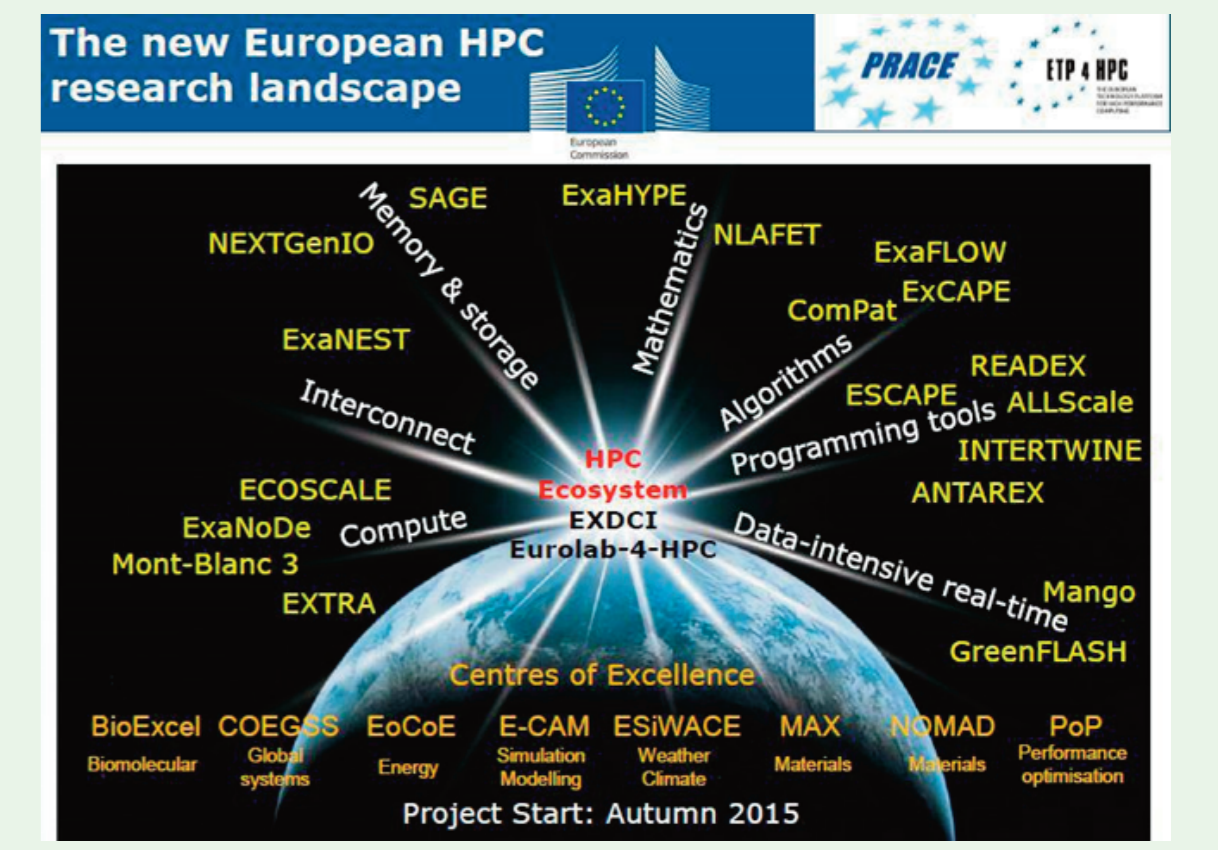


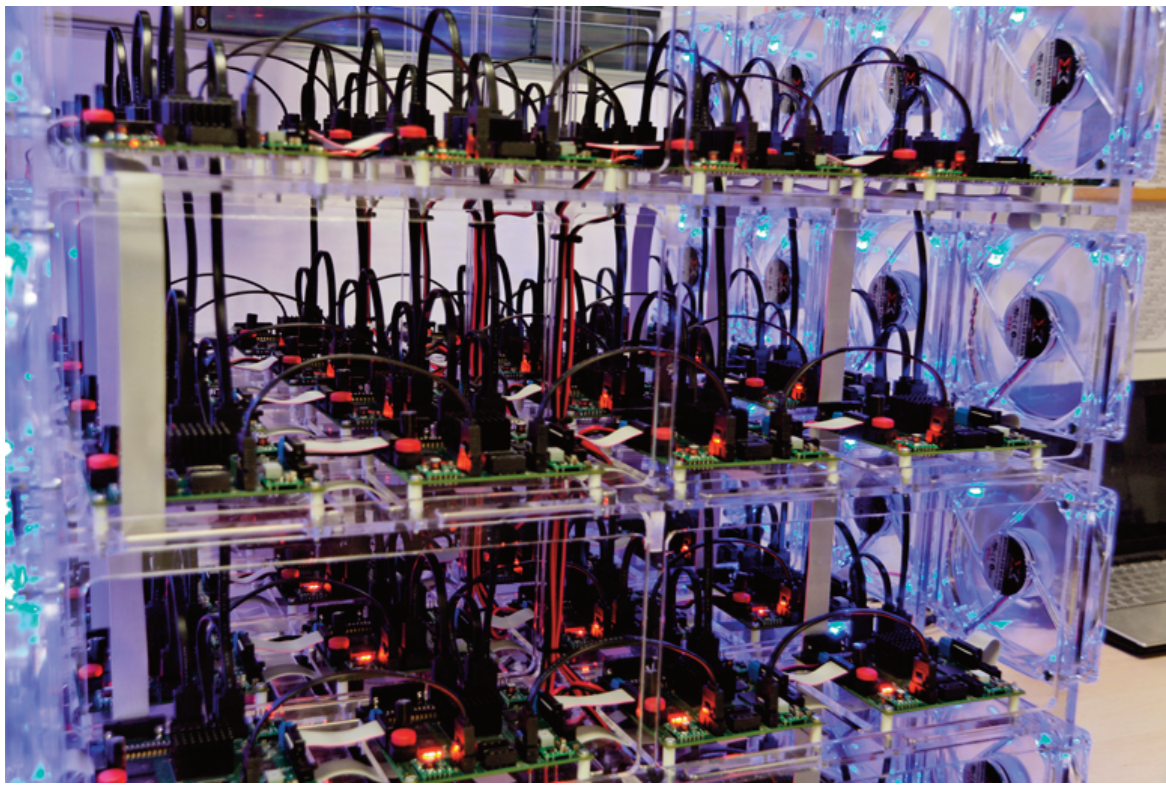


# EUROPEAN EXASCALE SYSTEM INTERCONNECT AND STORAGE

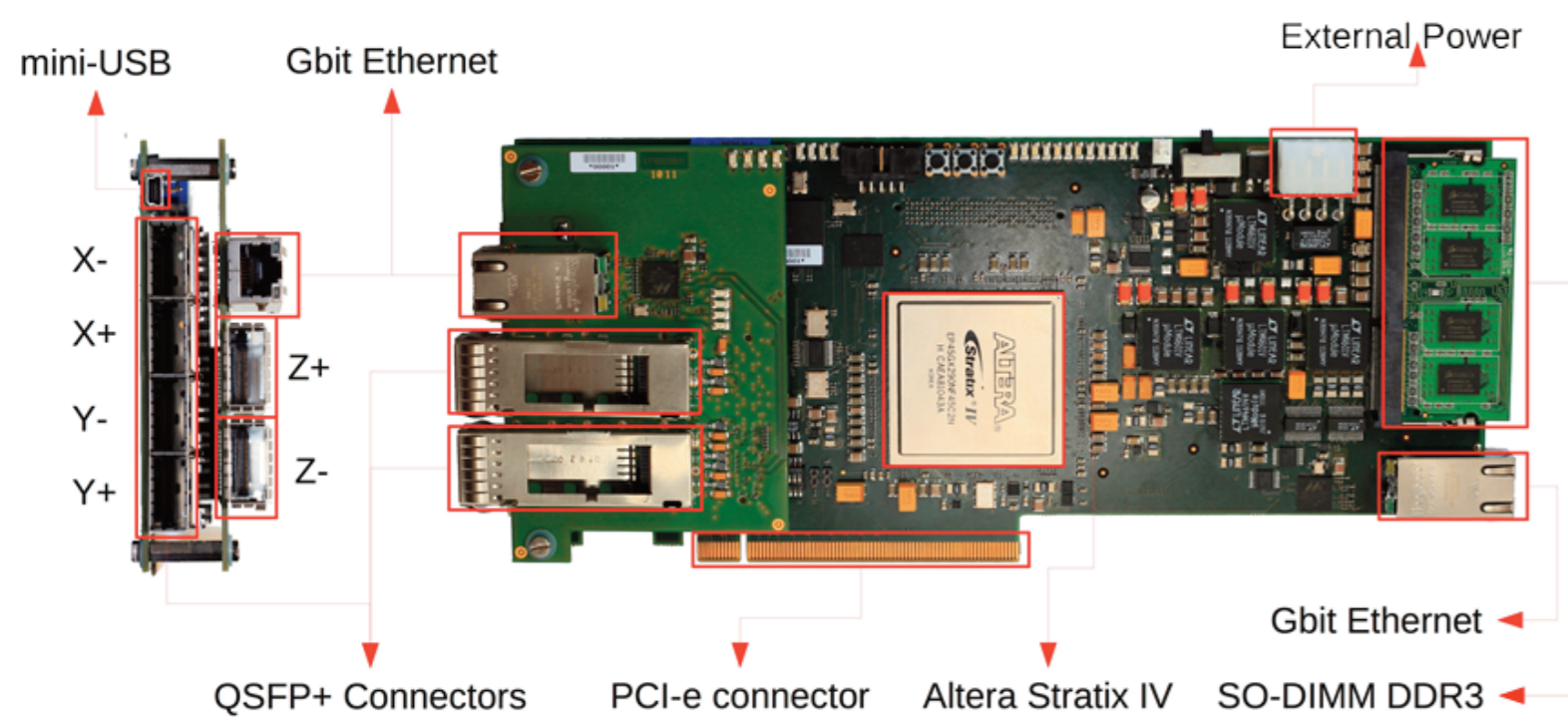
www.exanest.eu



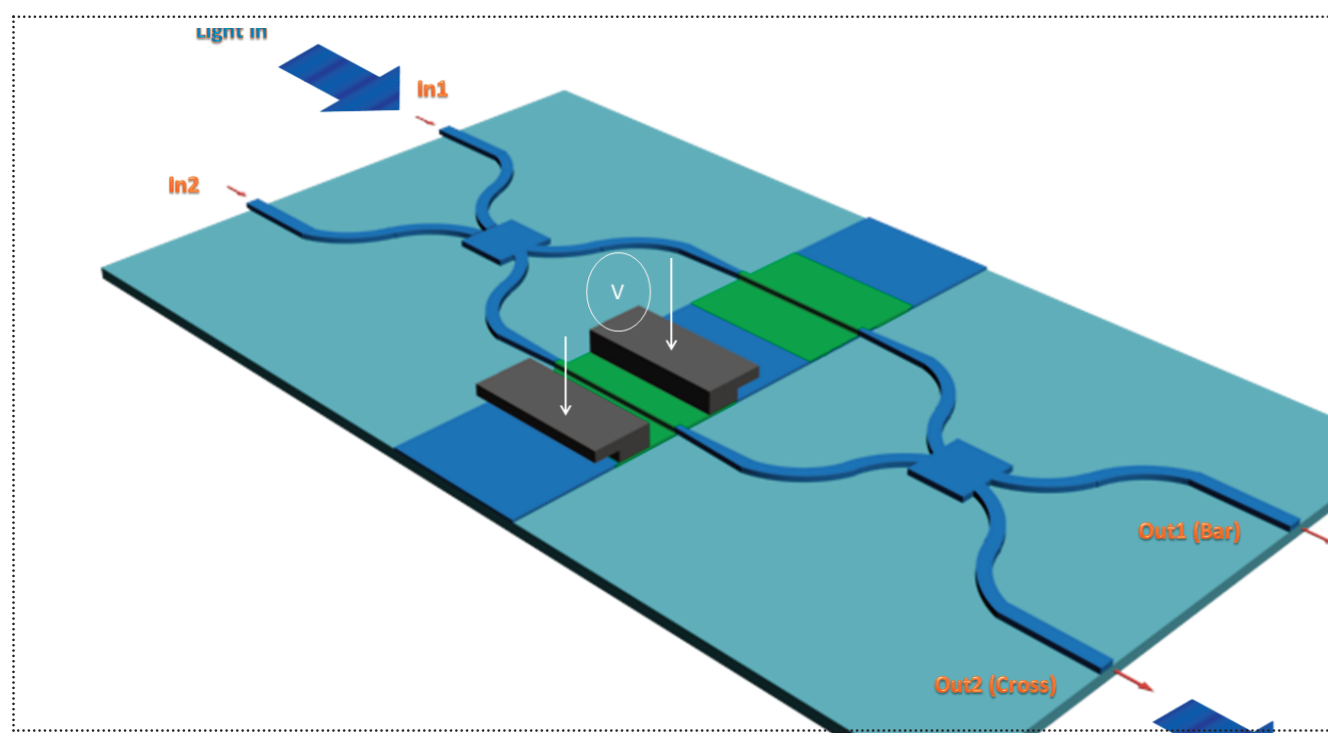
**INTERCONNECTS**  
Low latency, high throughput,  
unified compute & storage traffic.



Formic, by FORTH

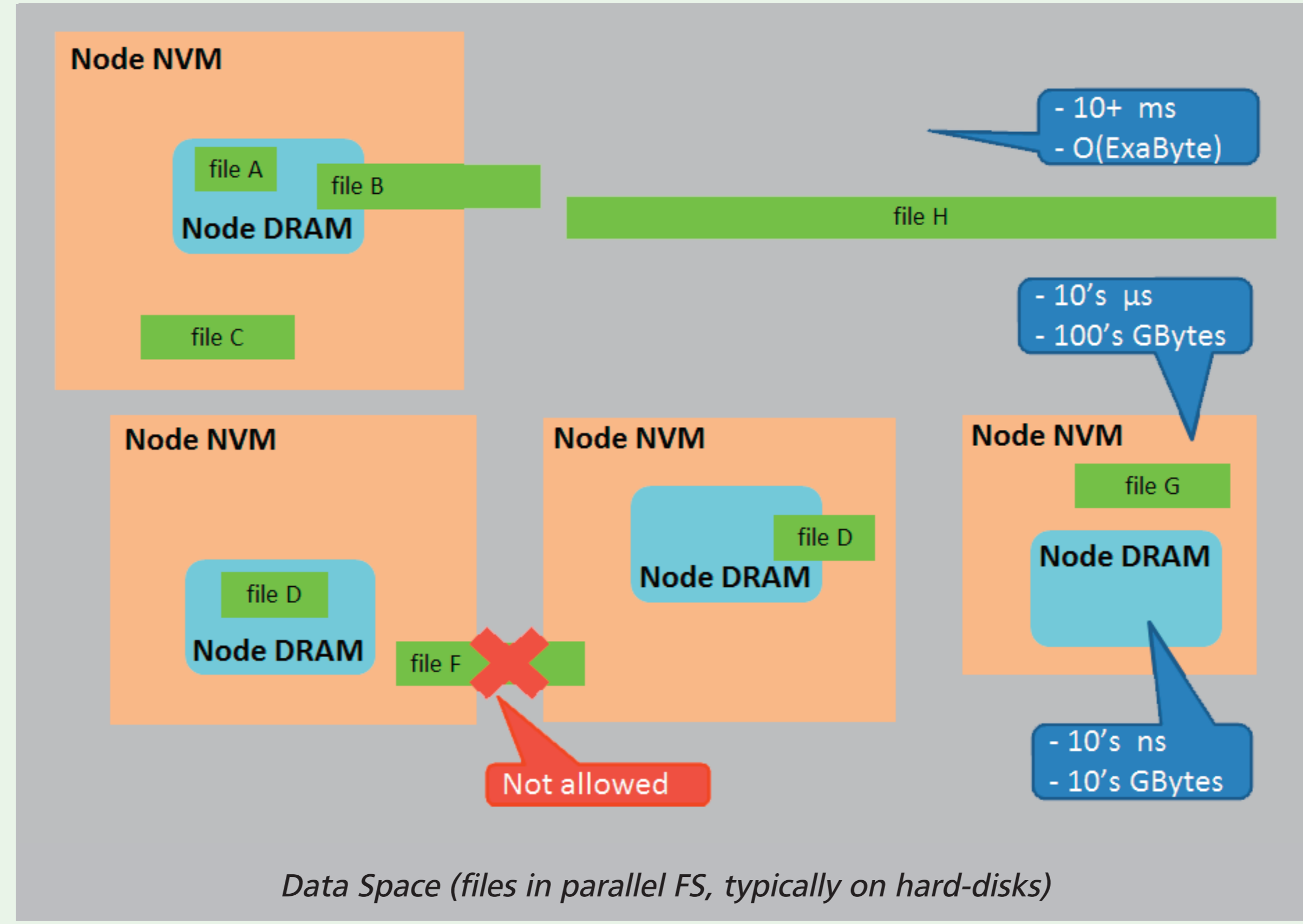


Apenet, by INFN

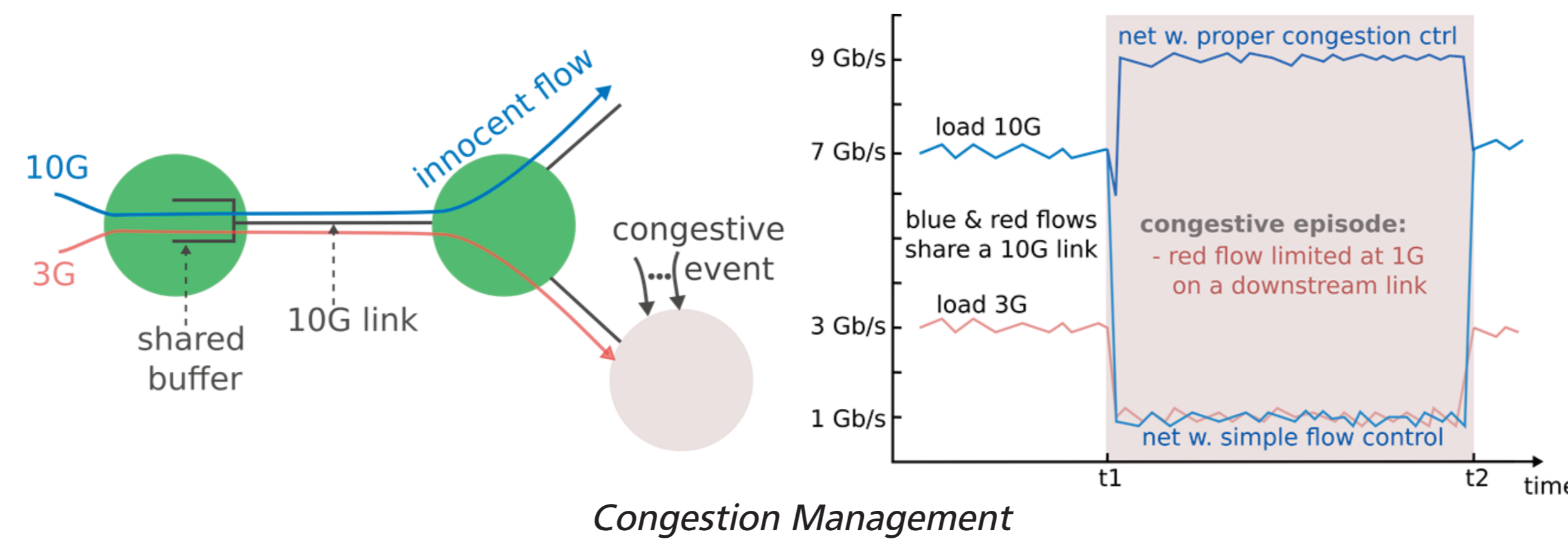


Optics, UPV

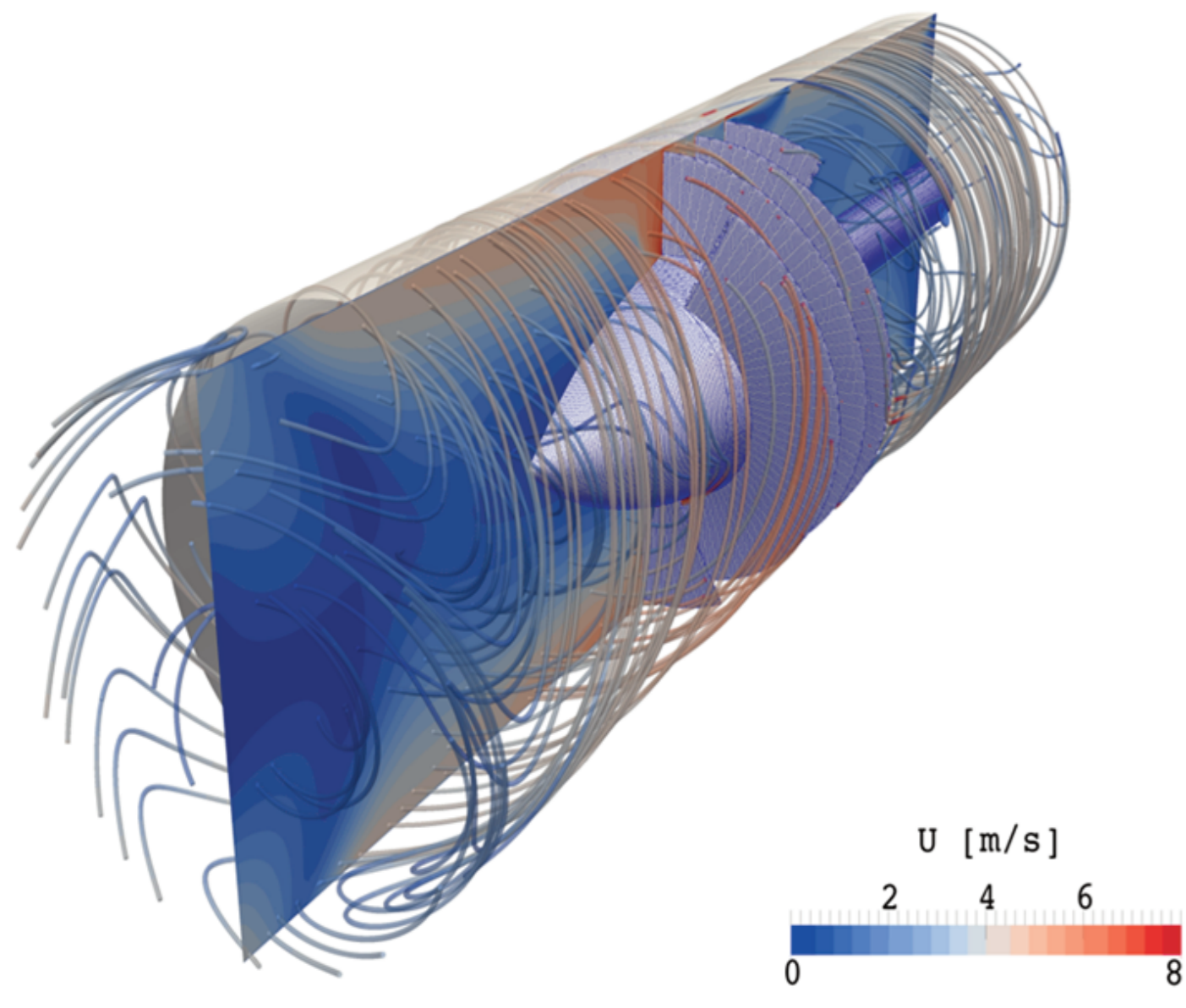
**STORAGE**  
Fast, distributed, in-node  
non-volatile memory.



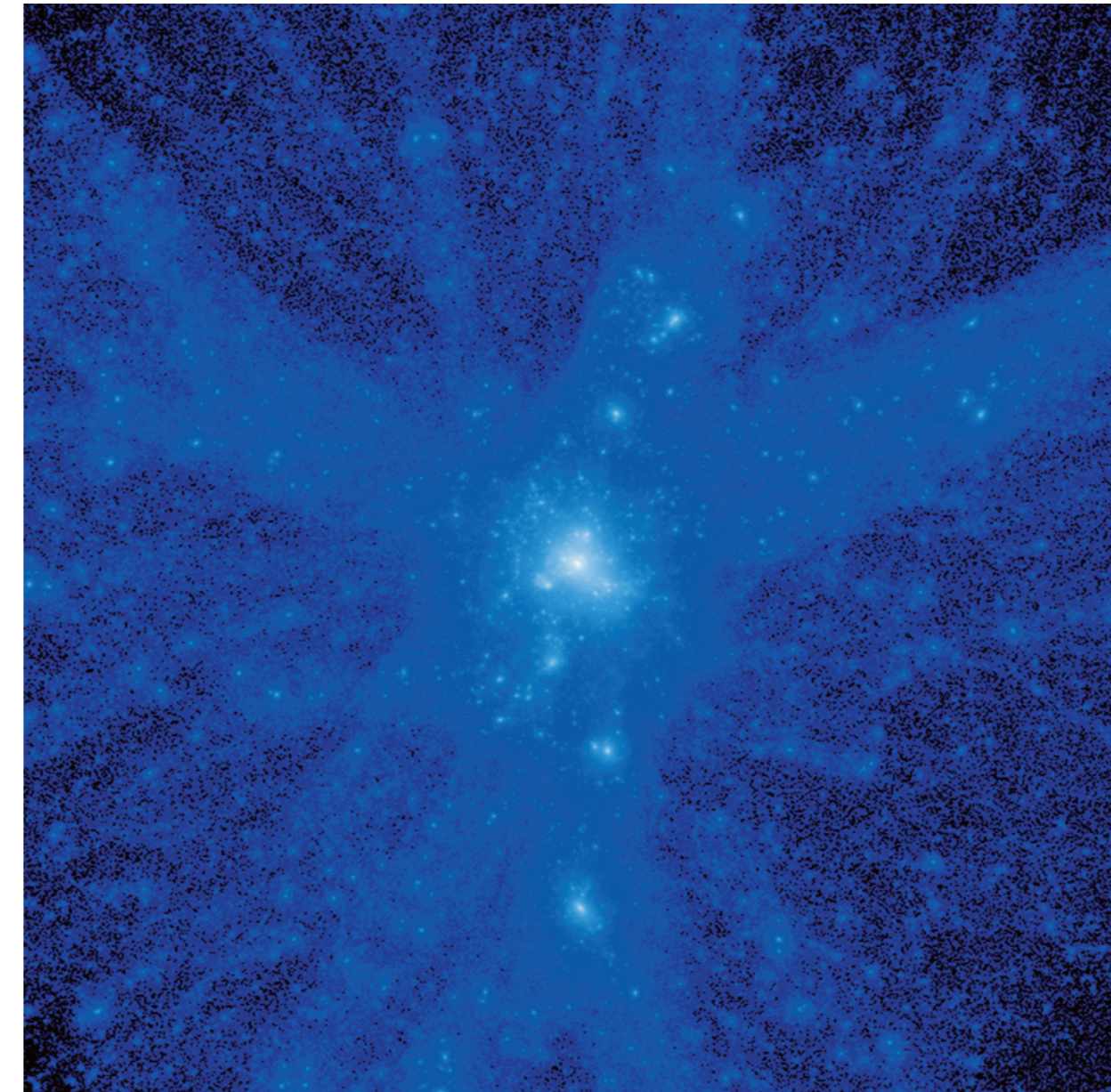
**PACKAGING**  
Compact, fully-immersed  
liquid cooling technology.



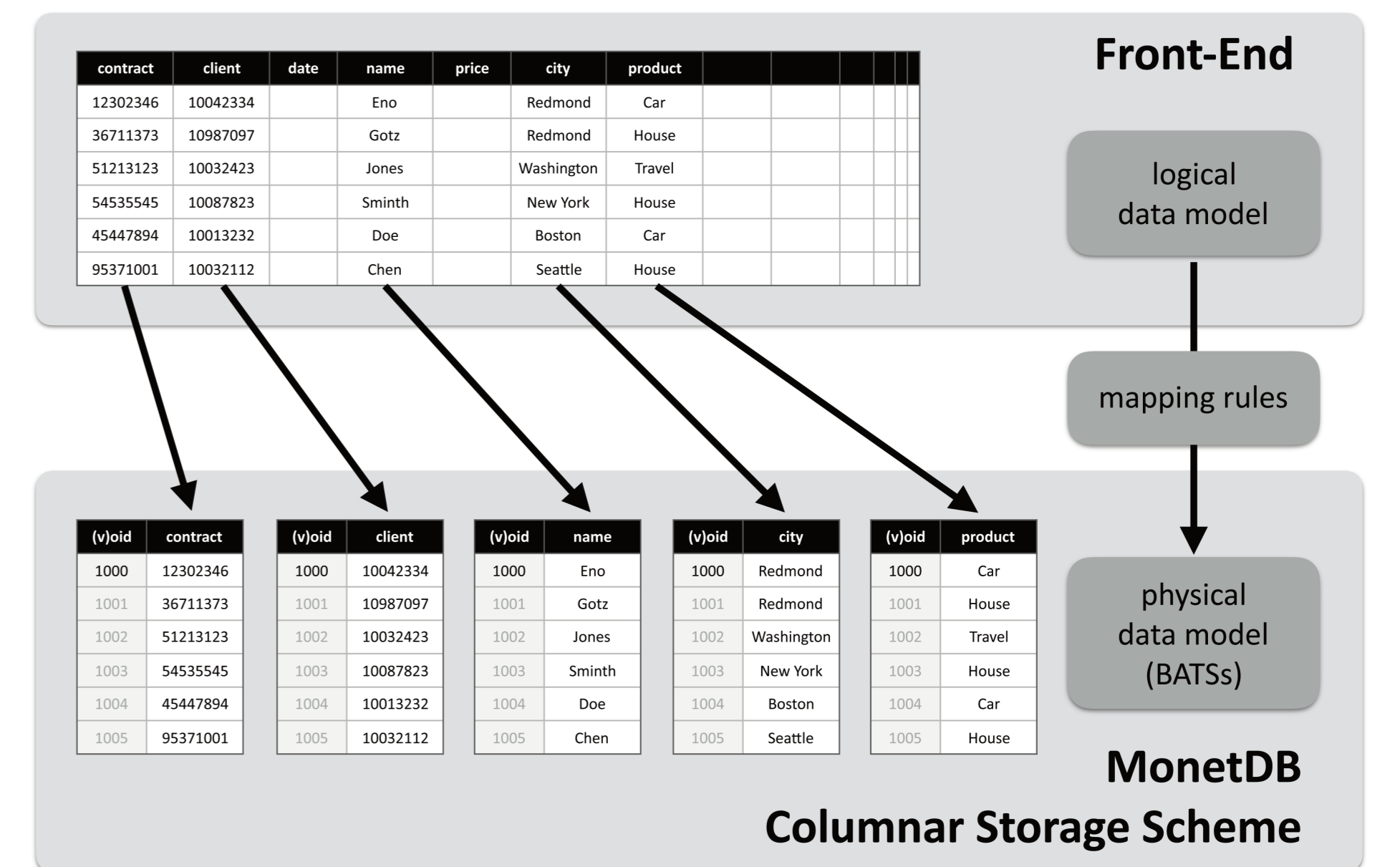
**APPLICATIONS:** Real, Scientific & Data-Center  
Used to identify system requirements;  
Tuned versions will evaluate our solutions.



Flow Simulation; EnginSoft

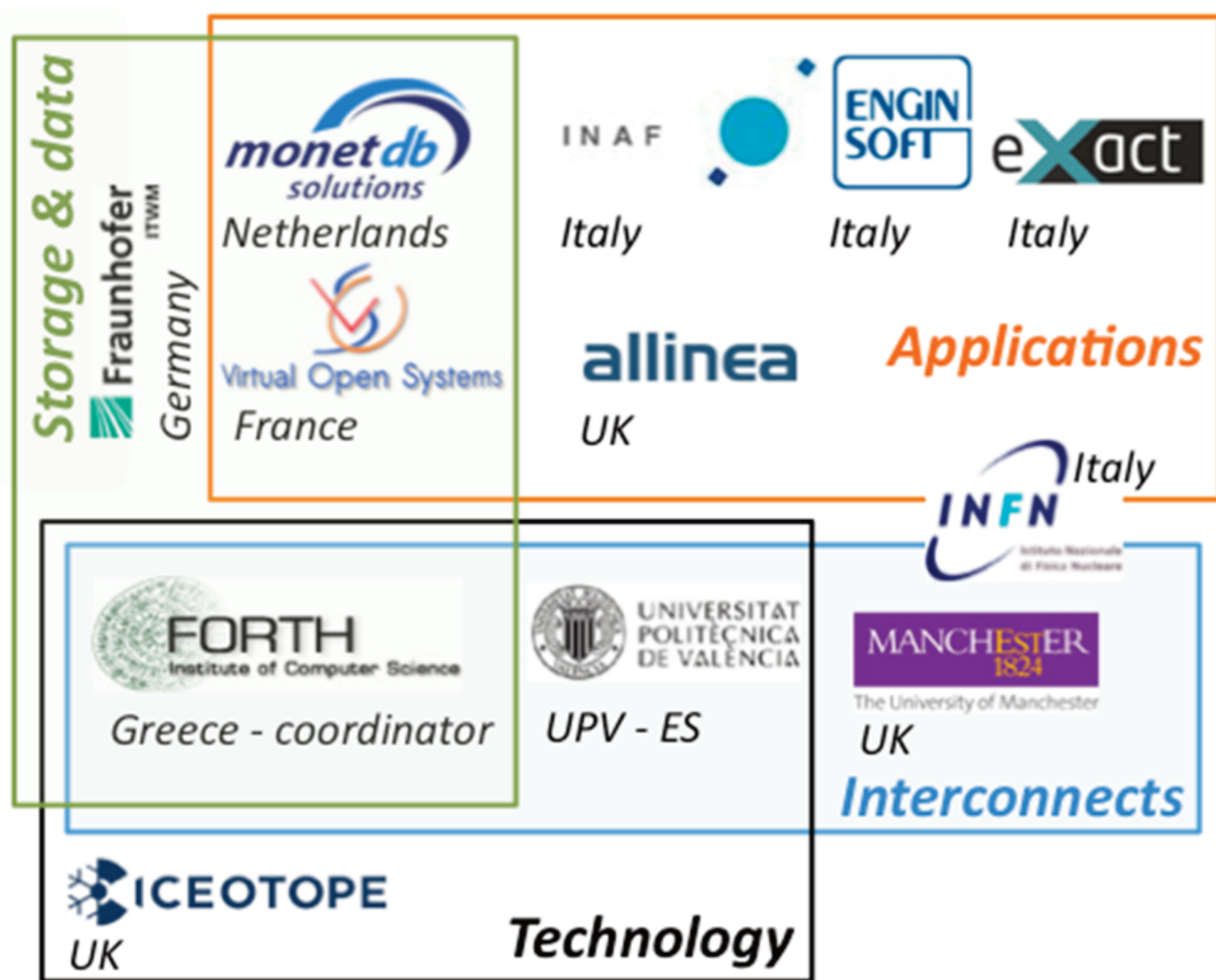


Simulated Galaxy Cluster, using Gadget by INAF



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.

