



DRIVING THE EXASCALE TRANSITION

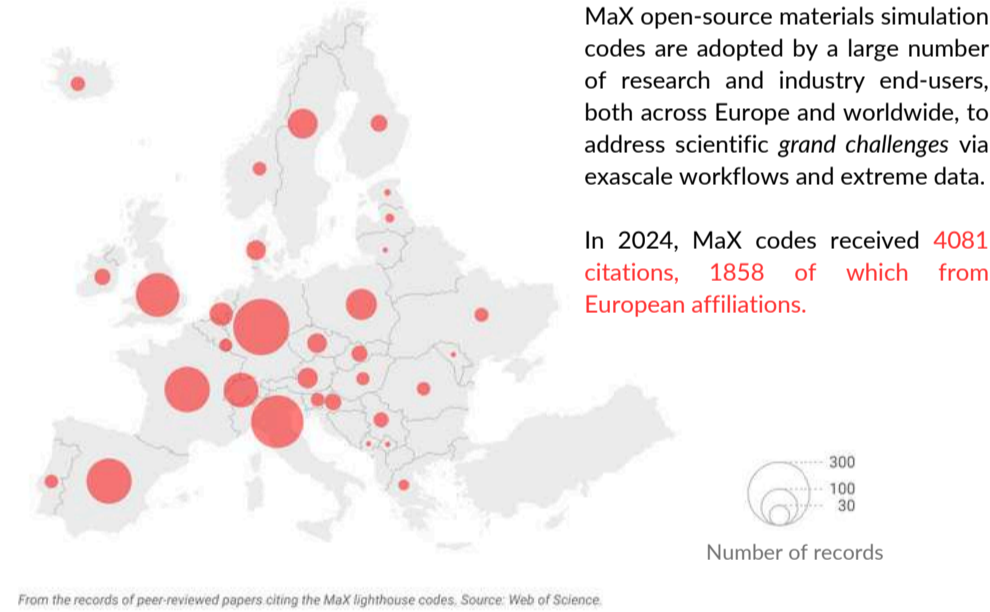
Enabling materials modelling, simulations, and design at the frontiers of current High-Performance Computing

Meet the MaX Consortium



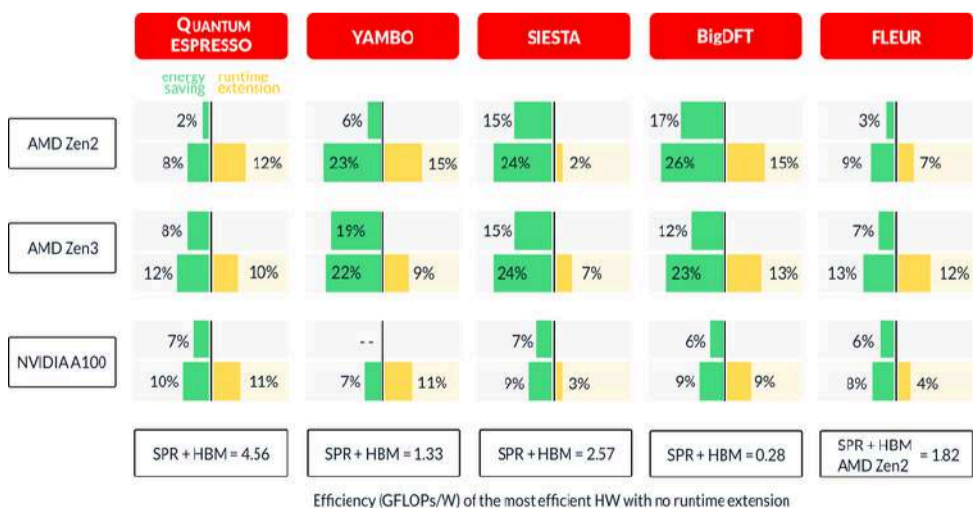
Impact of MaX lighthouse codes on European research

2024 European Distribution of Authors' Affiliation in Peer-reviewed Publications



Energy savings of MaX codes on various HW platforms

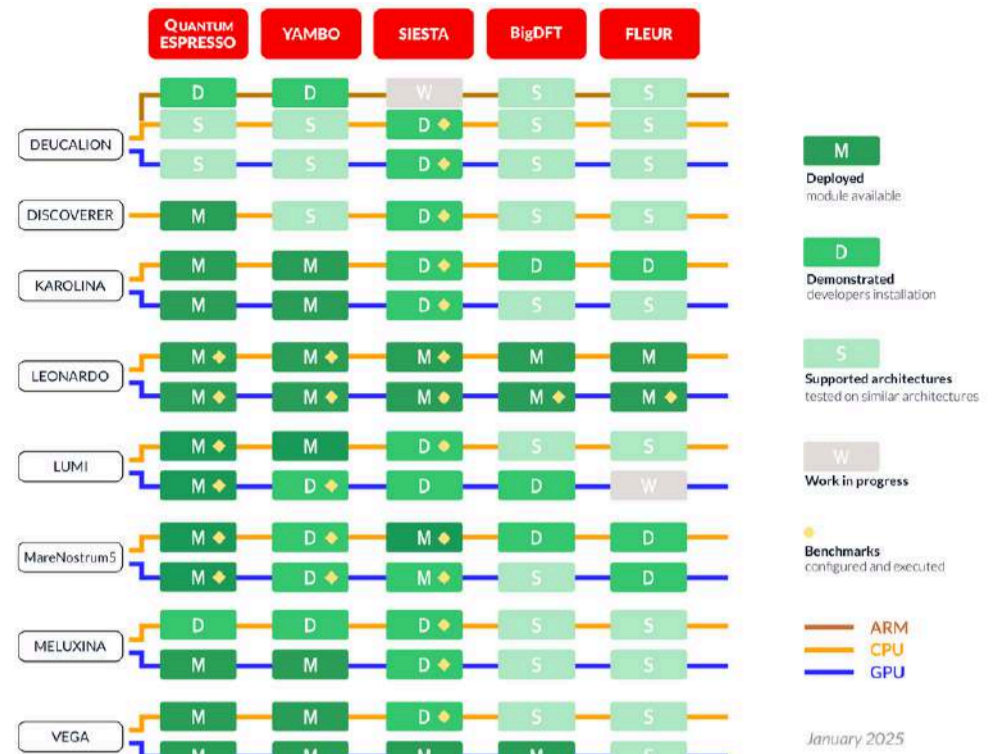
Measured and optimized with MERIC, using simple static scaling of CPU and GPU power management knobs.



Deployments and benchmarks on EuroHPC architectures



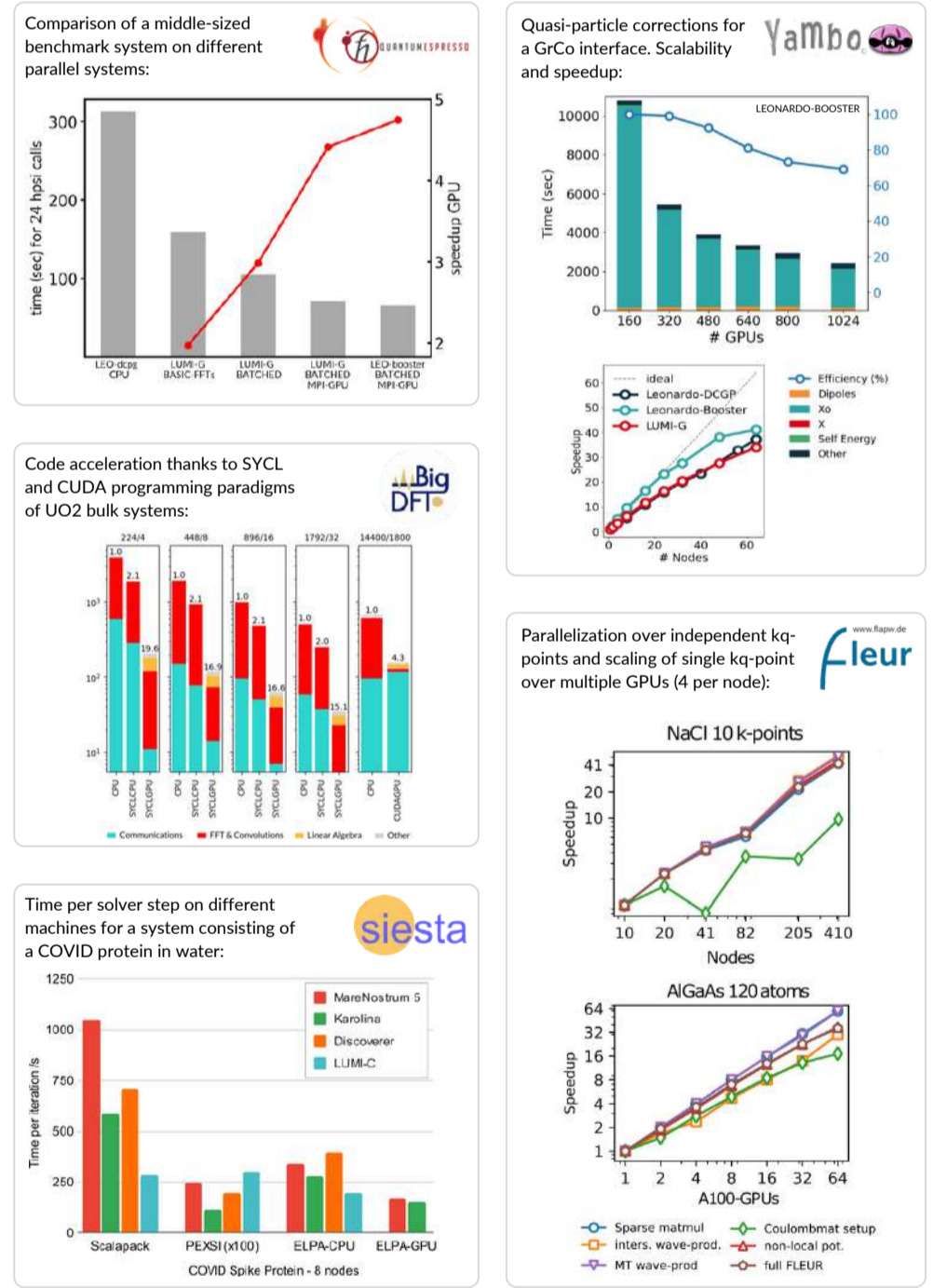
MaX codes are deployed on many EuroHPC machines with modules available to users (M), or demonstrated by the developers and ready for installation (D). Code benchmarks (B) are available on MaX GitLab repo. Almost all architectures are supported (S) and ready for automatic deployment.



Performance & Scalability of MaX lighthouse codes



MaX codes can exploit the computational power expressed by NVIDIA and AMD GPUs to achieve high parallel efficiency on different EuroHPC architectures:



MaX Training Programs

visit our agenda



We regularly offer professional trainings and hands-on experiences on HPC developments and computational materials science.

