

# Austria's Most Powerful Supercomputer – the Engine of Discovery

The Vienna Scientific Cluster strengthened its high-performance computing (HPC) infrastructure with a next-generation supercomputer built on Lenovo ThinkSystem servers with Intel® Xeon® Scalable processors. The new cluster, named VSC-4, became the first supercomputer in Austria to break the petaflop (PFLOP) barrier, achieving a peak performance of 3.7 PFLOPS (2.7 PFLOPS in continuous operation).<sup>1</sup> VSC-4 will be used to support a huge range of research projects from predicting the impact of climate change of rivers and flood areas to help prepare for changing weather patterns to understanding how certain drugs react with proteins in the human body to improve medicine development. VSC-4 delivers a significant improvement on its predecessors.

“VSC-4 is four times more powerful than its predecessor. It’s a truly world-class supercomputer that will be at the heart of the Austrian research community for years to come.”<sup>2</sup>

**Professor Herbert Störi,**  
Scientific Project Leader,  
Vienna Scientific Cluster

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