

FUTURE AND EMERGING TECHNOLOGIES

COORDINATOR: Umeå University (SE)

PARTNERSE **University Of Manchester (UK)**

Institute National de Recherche en Informatique et en Automatique, Inria (FR)

Science And Technology Facilities Council (UK)

NLAFET is a direct response to the demand for new mathematical and algorithmic approaches that will make it possible to use the peak capabilities of today's and future extremescale computing (HPC) systems. The means are new algorithms, advanced scheduling strategies and auto-tuning techniques.

HORZON

Kebnekaise @ HPC2N



The main impact is to develop, deploy and make software available to the coientific community



Kebnekaise @ HPC2N

State-of-the-art HPC System (Lenovo – Intel – nVIDIA – Mellanox):

Compute nodes

- Large memory nodes (3TB)
- Accelerators (Nvidia K80, Intel KNL)
- High speed interconnect (Mellanox)