

Plans for porting COSMO to GPUs at CASPUR



- A realistic strategy should take into account the Porting of the entire COSMO application in order to benefit of GPUs acceleration (Amdhal rule!)
- Tools like CUDA Fortran or PGI Accelerator are excellent competitors but vendor product (with positive and negative connotations)
- F2C-ACC is a good starting point but, at this moment, some hand-coding is required (e.g sum reduction adjustment for Himeno Benchmark): **HPC and CUDA expertise are needed**