

Readiness of HPC Extreme-scale Applications

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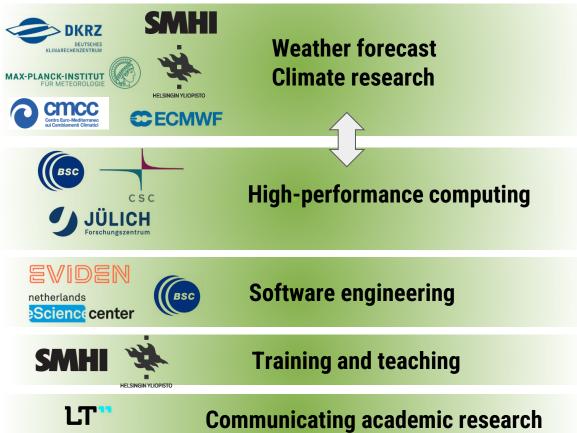






ESiWACE3 partners

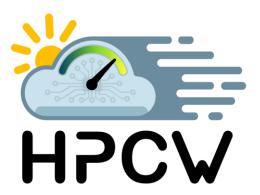






Applications: Services and HPCW

- Services: already 7 applications!
- High Performance Climate and Weather benchmark, the Domain Specific Benchmark for (pre)exascale application of climate and weather codes:
 - O Set of relevant and realistic, near-operational climate and weather workloads.
 - Climate and Weather tuned vehicle to collaborate with technology providers.
- HPCW benchmark provides:
 - Climate and Weather models (applications, mini-applications) from the European community;
 - Easy way to deploy the sofware stack to build, verify and bench C&W models;
 - SPACK recipes to build the models;
 - A way to use already installed models;
 - Tables to compare trusted and reproducible metrics;
 - ... and soon a ranking!
- Current HPCW components available
 - ICON Ocean and Atmosphere (open-source)
 - O NEMO
 - Mini-applications (dwarfs):
 - ECRad
 - ECTrans
 - Dwarf-P-CloudSC





Interested in getting in touch?

Website: <u>www.esiwace.eu</u>

Twitter: https://twitter.com/esiwace

YouTube: https://www.youtube.com/@esiwace880



ESiWACE is on Zenodo, the Open Access repository for scientific results https://zenodo.org/communities/esiwace



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