

Workshop on Scalability, 14-15 April 2014

Programme

Monday 14 April 2014

- 0900-0930** Registration
- 0930-0935** WelcomeErland Källén, ECMWF
- 0935-0950** IntroductionPeter Bauer, ECMWF
- 0950-1010** The ECMWF forecast model, quo vadis?Nils Wedi, ECMWF
- 1010-1030** Scalability and data assimilation at ECMWFYannick Trémolet, ECMWF
- 1030-1100** *Coffee/Tea*
- 1100-1120** Gung Ho and LFRic: Replacing the Met Office Unified ModelSteve Mullerworth, Met Office
- 1120-1140** The ICOSahedral Nonhydrostatic (ICON) modelling framework:.....Günther Zängl, DWD
key aspects for computational efficiency and scalability
- 1140-1200** Recent performance of NICAM on the K-computer andHisashi Yashiro, RIKEN/AICS
activities towards post-petascale computing
- 1200-1220** Implementation of COSMO on accelerators.....Oliver Fuhrer, MeteoSwiss
- 1220-1240** Running operational Canadian NWP models and assimilationMark Buehner, Michel Desgagne,
systems on next-generation supercomputers A Qaddouri et al, Env.Canada
- 1240-1250** Improving the efficiency of Arome-Arpege, achievementsPhilippe Marguinaud, Météo-France
and plans
- 1250-1300** Some views on the status and evolution of the Arome-Arpege.....Fabrice Voitus, Météo-France
dynamical core
- 1300-1400** *Lunch*
- 1400-1420** Streamlining HPC scenarios for future NWP.....Sami Saarinen, CSC
- 1420-1440** Running HARMONIE on Xeon Phi coprocessorsEnda O’Brian, ICHEC
- 1440-1500** NEMO scalability issuesEric Maisonnave, CERFACS
- 1500-1520** Refactoring for the Xeon Phi.....Jacob Willem-Poulsen, DMI given by
Tomas Wilhelmsson, ECMWF
- 1520-1550** *Coffee/Tea*
- 1550-1600** Working group instructionsPeter Bauer, ECMWF
- 1600-1730** Working groups
- 1730** Adjourn
- 1900-2200** Dinner at Carluccio’s

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- 0900-0920** The new Met Office NERC cloud model.....Michele Weiland, EPCC
- 0920-0940** The IBM Blue Gene/Q: Application performance, scalabilityMike Ashworth, STFC and optimisation
- 0940-1000** ECMWF's future challenges in handling and manipulatingTiago Quintino, ECMWF model and observational data
- 1000-1020** Data handling on the path to exascaleBryan Lawrence, NCAS
- 1020-1040** *Coffee/Tea*
- 1040-1100** HPC for climate models: lessons from IS-ENES projectsSylvie Joussaume, IPSL
- 1100-1120** Scalability Bottlenecks towards Extreme Scaling of ICONPanos Adamidis, DKRZ
- 1120-1140** PRACE resources and services toward climate andSergio Bernardi, CINECA weather community
- 1140-1300** Working Groups
- 1300-1400** *Lunch*
- 1400-1530** Working Groups
- 1530-1600** *Coffee/Tea*
- 1600-1700** AllPlenary
- 1700** Adjourn