Deutscher Wetterdienst
Wetter und Klima aus einer Hand

WGNE Table Updates

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Overview

- General remarks
- Computer upgrades since last year
- Forecast system upgrades since last year

General remarks

- **Many thanks again to Fanglin for setting up the google doc, which saves most of the manual maintenance work!**
- **Page 3 (part I a): Following a suggestion at last year's WGNE meeting, the instructions ask for more details on coupled forecasting systems, but little additional information has been provided**

Computer upgrades since last year

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- DWD: phase 2 of upgrade with NEC Aurora VE30 nodes, increase of sustained performance by about a factor of 1.33 w.r.t. 2023 (phase 3 currently being installed)
- Navy/NRL: New HPC (Cray EX), shared with partners (15% for NRL)
- KMA: New HPC (Lenovo SD650), peak performance ~ *9 w.r.t. 2023
- JMA: New HPC (Fujitsu Primergy + PrimeHPC), peak performance ~ *2 w.r.t. 2023

- Information on processor types still incomplete
- So far, no GPU systems in operational production at global centres

Forecast system upgrades since last year

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DWD

➔ **global deterministic**

- ➔ **KMA: Upgrade from 10 km L70 to 8 km L91**

➔ **global EPS**

- ➔ **UKMO: Forecast lead time extended from 10 to 14 days (hope this is correct)**
- ➔ **ECCC: Resolution increase from 0.35° to 0.23° (´ ´)**
- ➔ **KMA: Resolution increase from 32 km L70 to 24 km L91**

➔ **regional systems**

- ➔ **ECCC: Resolution upgrade 0.09° to 0.0225° for DET (hope this is correct)**
- ➔ **CMA: Resolution upgrade from 10 km to 3 km for EPS (´ ´)**