

# DAsKIT status in Poland

## NWP Activities

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## ALARO-v1B NH (CY43T2)

### *E040 domain:*

4.0 km horizontal resolution, 789x789 grid points, 70 vertical model levels on a Lambert projection with 3h coupling frequency and 1h output, coupling zone with 16 points; Runs 4 times per day (00,06,12 and 18) with 72 hours forecast range; LBC from ARPEGE with 9.4 km horizontal resolution; Time step ~160s.

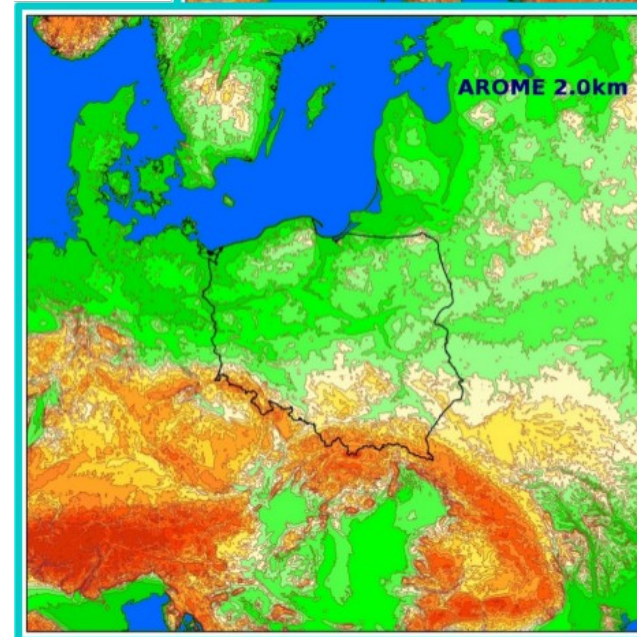
## AROME (CY43T2)

### *P020 domain:*

2.0km horizontal resolution, 799x799 grid points, 70 vertical model levels on a Lambert projection with 1h coupling frequency and 1 hour output. 4 runs per day (00,06,12 and 18) with 30 hours forecast range; LBC from ALARO 4.0 km; Time step ~50s.

## Operational machine characteristics

Cluster of HP BL460c\_GEN8 servers connected with Infiniband network, OS Scientific Linux 6, Intel Xeon E5-2690 processors – with maximum 1552 cores (97 nodes with 16 cores each), each core RAM 128 GB, disc array – 64 TB.





Model: **ALARO-1 NH CY43T2bf10**

Surface assimilation: **CANARI**

Upper-air assim: **none**

Database: **OPLACE**

Test run: **6-h cycling**

Verification: **HARP - running for operational forecast and working also with assimilation runs**