HELLENIC NATIONAL METEOROLOGICAL SERVICE
www.hnms.gr

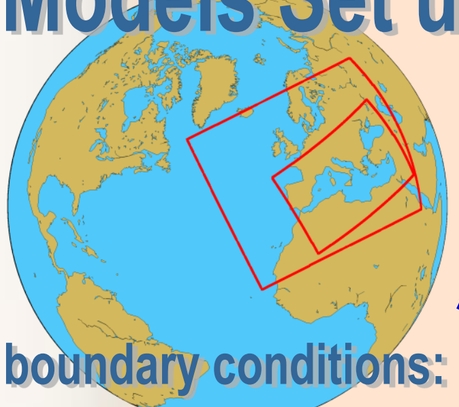
EUMETNET
The Network of European Meteorological Services

Numerical Weather Prediction at HNMS

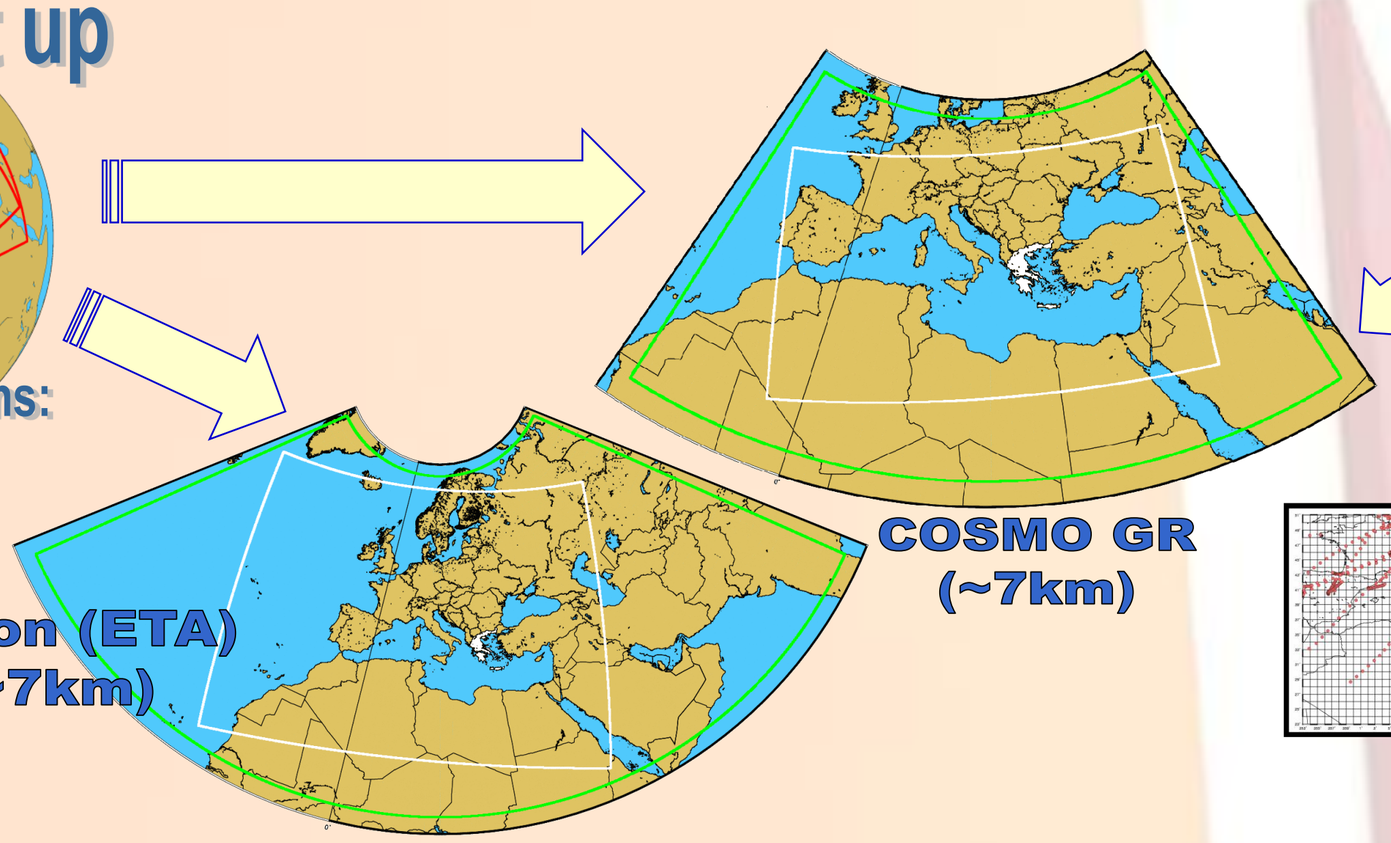
19th SRNWP & 34th EWGLAM meeting

Helsinki 8-11 October 2012

Models Set up



boundary conditions:
from IFS & GME

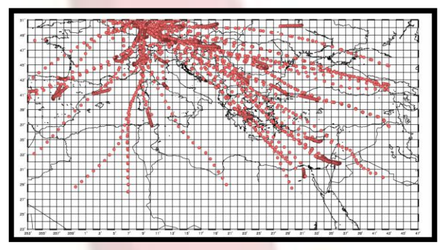


COSMO GR
(~7km)

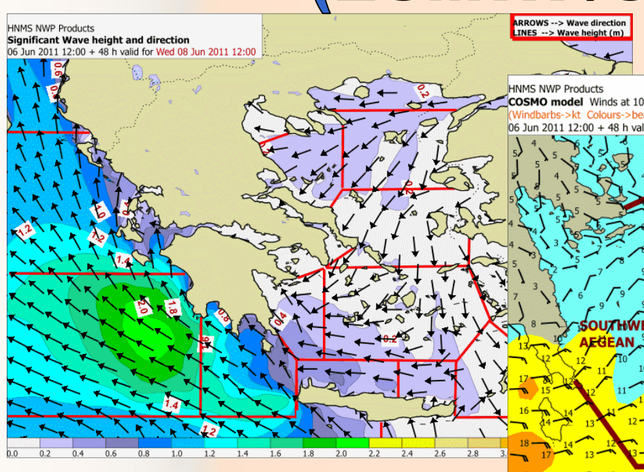
Skiron (ETA)
(~7km)

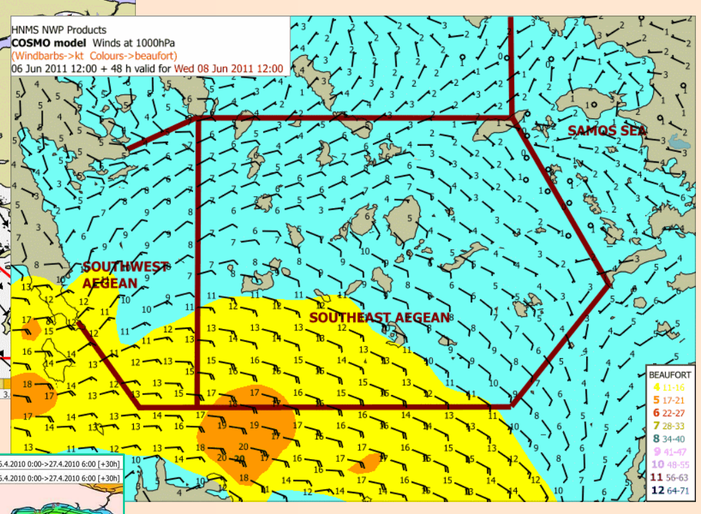
COSMO
Nudging Analysis

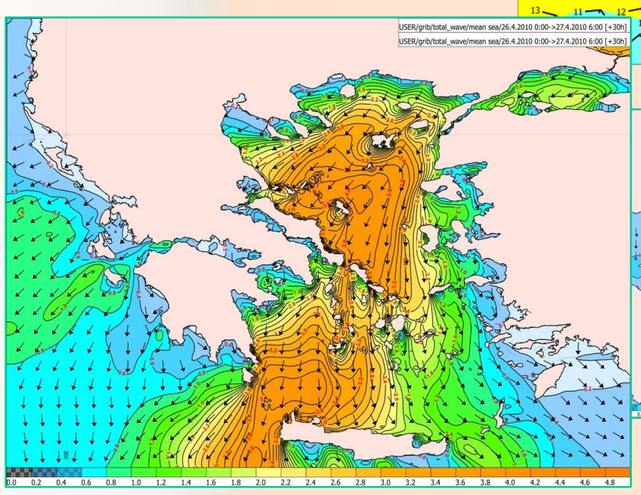
amdar
synop
pilot
▫▫▫

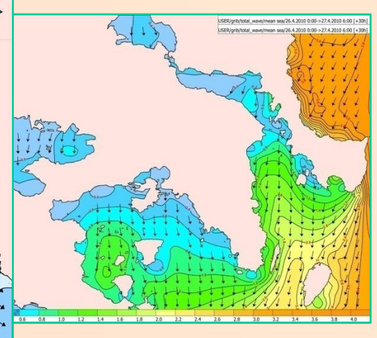


Wave Model (WAM4.0 nested version) (ECMWF/COSMO)

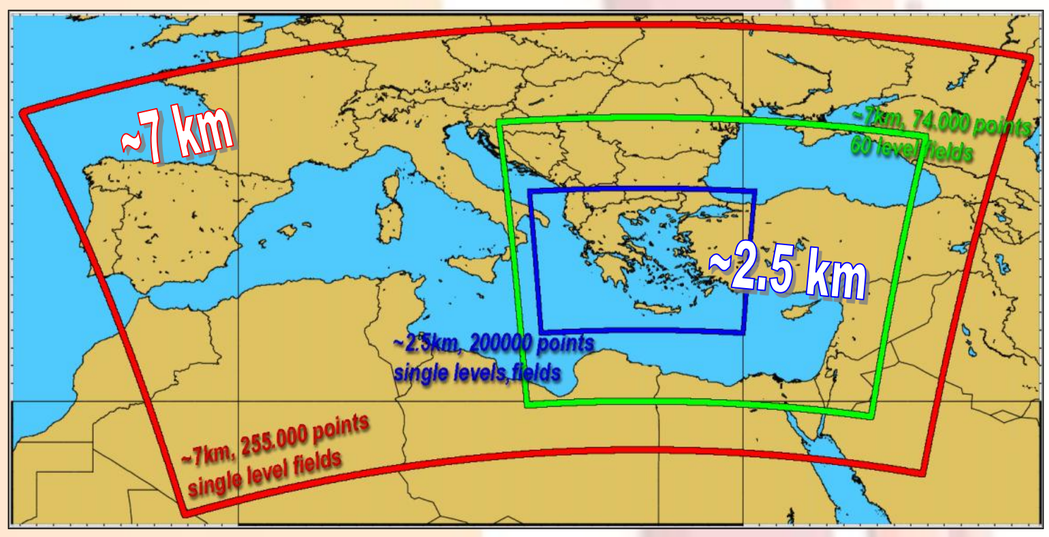


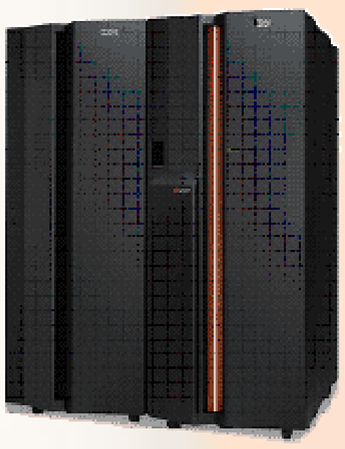






COSMO GR ~2.5km (00, 12UTC) (initialized by COSMO 7km)





IBM HPC Cluster

22 nodes pSeries 655
8-way 1.7GHz Power 4+
16 GB memory
two-link switch interface

NWP Strategy

- Development of specialized post-processing applications to assist forecasters work and Air Force needs
- Implementation of a Nowcasting System
- Use of COSMO-ART for research purposes (pollutant transport)
- Installation of COSMO-CLM and first tests
- Enhanced cooperation with Universities and National Research Institutes
- A new supercomputer system (planned for 2014 ~2.5Tflops sustained)