

# Summary of WG6 activities

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# Outline

- Reporting
- Support activities
- Version Control System
- NWP Test Suite extension
- Web modifications
- Bug tracker

# Reporting

- Newsletter: July 2015 (10 contributions)
- Technical Reports:
  1. The COSMO Priority Project 'COLOBOC' Final Report
  2. The COSMO Priority Project 'UTCS' Final Report
  3. The Proof of the Parameters Calibration Method:  
CALMO Progress Report
- NWP Test Suite report (v5.1 vs v5.0): December 2014
- Common plot activity

# Support activities

- 2015 The migration from GME to ICON data
  - Romanian + DWD Team offered support to all interested countries
- COSMO training hold in NMA, Romania (20 to 31 October 2014)
  - The Romanian support team organized this course for 2 researchers from National Meteorological Service of Malawi
- COSMO / CLM / ART Training Course 2015. Theory and Applications, DWD, BTZ Langen 23 to 27 March 2015
- Web page update

# Version control system

There is the need to have a distributed development system.

At the moment MCH and DWD use SVN

- Currently MCH is considering to move from SVN to GIT (December 2015)
- Better integrated with code review tools (currently using bitbucket)
- GIT is not centralized, natural way to have local developments
- Possibility to cherry-pick commit from different branches (only one bug fix)

# Version control system

- GIT repositories on a web host ([www.github.com](http://www.github.com) or [www.bitbucket.com](http://www.bitbucket.com))
- Web host has several useful functionalities:
  - Visualizing code history
  - Track and plot usage statistics
  - Issue tracker
  - Collaborative development
  - Private or public repositories
  - Can edit files and commit changes in web browser

# NWP Test Suite extension (1)

Why ?

- The NWP world is going towards high resolution
- **IFS will increase resolution at the beginning of 2016 (9 km)**

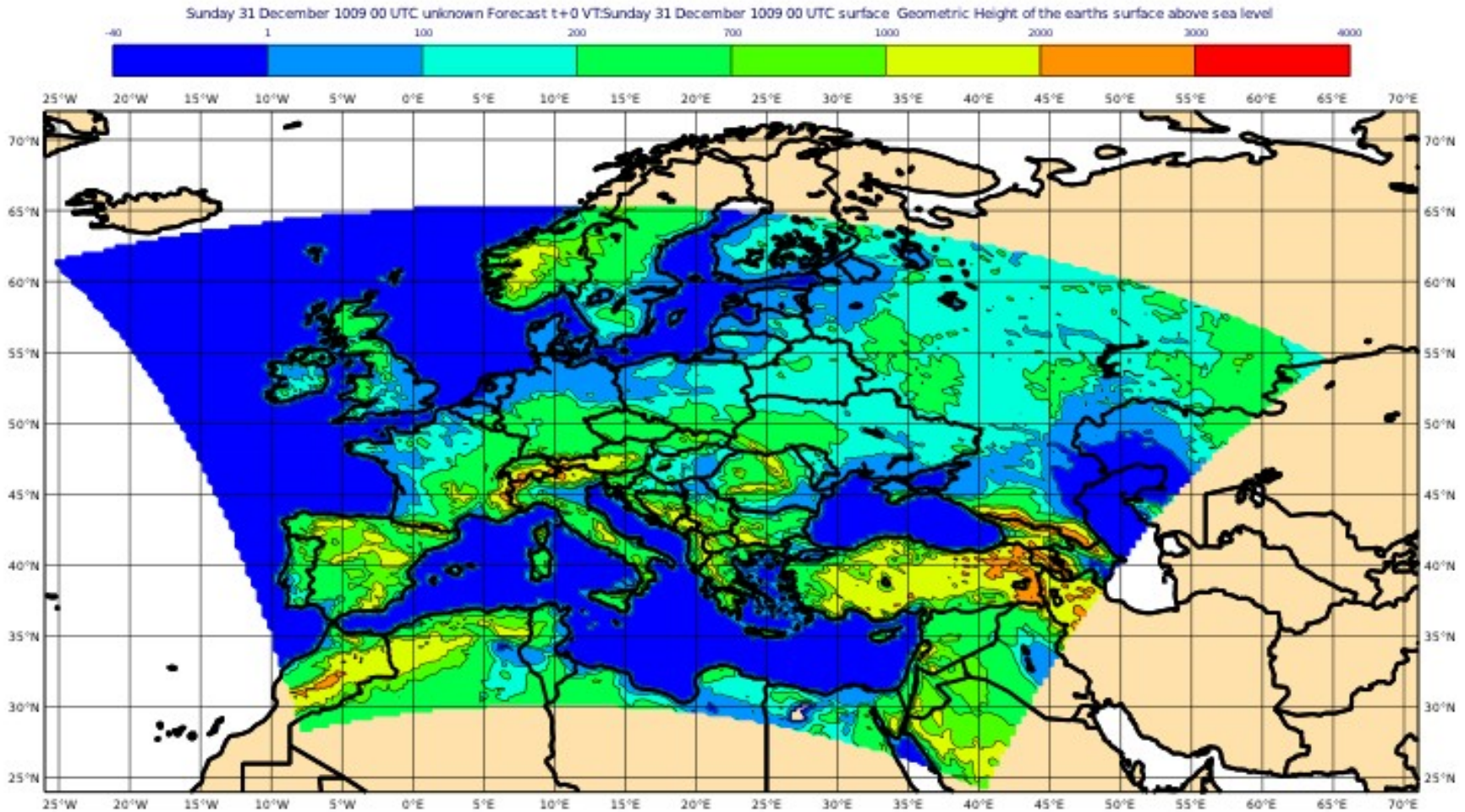
What do we need to verify then ?

1. IFS ->7km -> 2km
2. IFS -> 2km

Tests have been already done by Andrea Montani with the new resolution

For 2016 and 2017 we can use ECMWF resources with the special project SPITRASP

# NWP Test Suite extension (2)





# NWP Test Suite proposal

- v5.3 no changes
- v5.4 (January/February 2016) only high resolution model (IFS->2km)
- v5.5 to be decided but most probably it will use the new IFS suite with a new reference period

## Open questions

- Use of VAST for precipitation verification using the OPERA dataset
- Use of non-GTS observations (but then VERSUS has to be cheated)

# Web modifications

- Revisited Home Menu with the “Model System” link
- “Model System” includes:
  - The flow chart interactive image
  - The link to the new “Grib2” page
  - The link to a “Download” page where it will be possible to download the latest releases of all the COSMO software (password protected)

[www.cosmo-model.org](http://www.cosmo-model.org)

# Bug tracker

A bug tracker facility already existed on our web but it was never advertised.

A “Bugzilla for dummies” tutorial has been prepared by Cosmin Barbu and will be uploaded on the web asap

[www.cosmo-model.org/tracker](http://www.cosmo-model.org/tracker)

# Thanks for your attention (and for your work)



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