PP VERSUS2
Phase 4
Project Overview

Angela Celozzi

USAM-CNMCA

Versus2 – Task0

Task 0: Help Desk, bugs fixing activities and release of VERSUS update

Main Activities

- Help Desk activities for VERSUS users

  (forum www.meteoam.it/forum operative from February)

- Software maintenance

- Test/release of package and User and Technical Manuals updates (delivered to the users through ftp or forum)
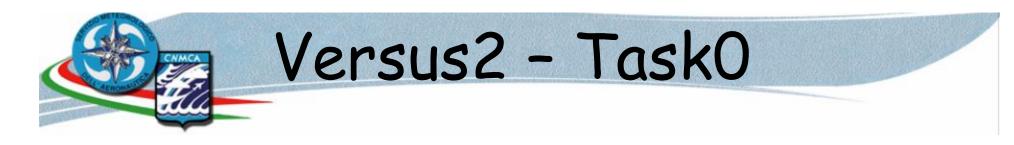
- Stress test of the system.

Versus2 – Task0

The Forum is:

✓ **Open:** Everyone has the same rule so everyone could create, delete, modify, move and reply every kind of topics

✓ **Collaborative:** Everyone can reply to any topic in order to help those in need. Not only PL Team could give support

✓ **Updated:** collaboration and help of all of you makes the forum always updated in the documentation area and about the problems that could be present in the different Versus release.
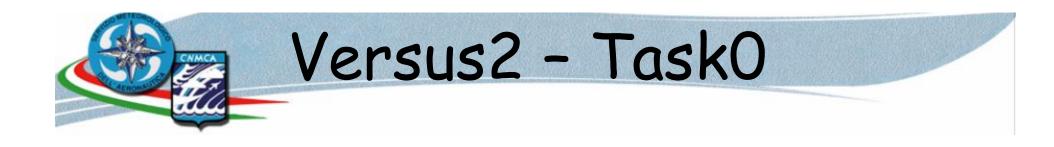
Versus2 – Task0

We need to optimize the Help Desk

For this reason it is important to perform the following activities before opening a topic:

- ✓ check the existing documentation
- ✓ check the forum (research the solution in some forum's areas)
- ✓ collect much information as possible about the question (screenshot, data, log file, etc.) in order to describe the problem as accurately as possible

Versus2 – Task0

- **PATCH06**   Tested and released in January

- **PATCH07**   Complete from the end of April - delay in the
  test and bugs fixed phase

User and Technical Manuals updated at the PATCH06

The Installation Document (Installation step by step)
is in updating phase (tuning php, mysql variables)

Forum Documentation Area

Versus2 – Task1

Task 1: Consolidation and fine tuning of the system

Main Activities

Task 1a: Collections of stress tests results, analysis and identification of critical functionalities

Benchmarks, analysis and identification of critical functionalities collected.

Task 1b: Implementation of a standard procedure for fine tuning
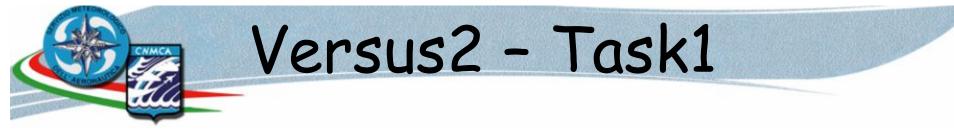
Standard procedure for fine tuning available in the Forum

- ✓ Db tuning
- ✓ PHP tuning
- ✓ DB partition (mysql db >5.0)

Versus2 – Task1

Task 1: Consolidation and fine tuning of the system

Main Activities

Task 1c: Test of tuning efficiency

Performance test still not available from DWD and NMA.

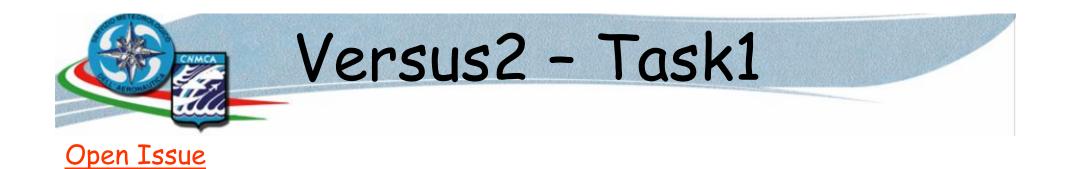**Task 1d**: Development of connection functionalities for the DB

Task 1e: Review of Web GUI and internal functionalities for new facilities (see Annex 1 for details)

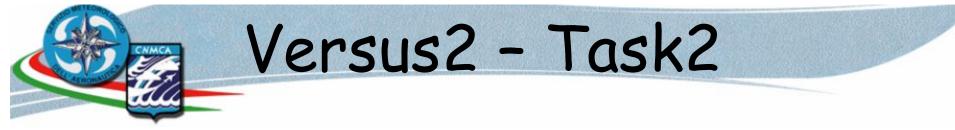## Patch 07

Versus2 – Task1

- Slowness of the system due often to large amount of fcs and obs data in the DB or to multiple activities at the same time.

  Try to analize with the tuning procedure!!

  Versus isn't a fcs/obs storage but a score/verification storage

- Instability of the system due sometimes to a "custom" installation not following the standard procedure suggested by VERSUS team.

  Help desk Difficoulties

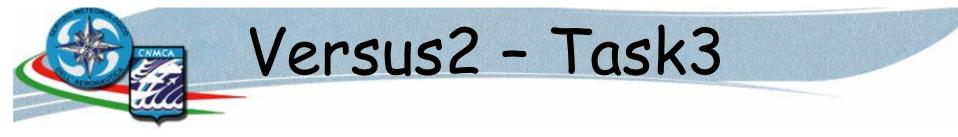- Use of Forum is open basic and should avoid multiple users/same questions &answers.

Versus2 – Task2

Task 2: Final Implementation of Feedback Files in VERSUS
was stopped, other priorities in COSMO year.
Versus Phase 5

Main Activities

- **Task 2a**: Implementation of Loader module for FF

- **Task 2b**: Creation of new Web GUI and graphics for upper air

- **Task 2c**: Conditional Verification (Requirements by DWD)

- **Task 2d**: Stand-alone tool for FF creation for all partners

- **Task 2e**: Dedicated test phase for FF tool implementation and FF functionalities in VERSUS

Versus2 – Task3

Task 3: Implementation of new BUFR format and GRIB2

The development is postponed in the Phase5

Main Activities

Task 3a: Update the system for the upload the WMO BUFR template and merge (in space and time) with the old format. A document describing the activity will be delivered and approved in advance

The Document delivered and approved (suggestions by Vanessa and Pirmin)

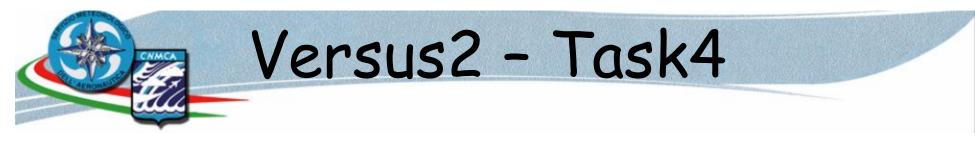The development is postponed in the Phase5.

Task 3b: Update the system for the treatment of forecasts produce coded in GRIB2 format.

☞ COSMO POLICY

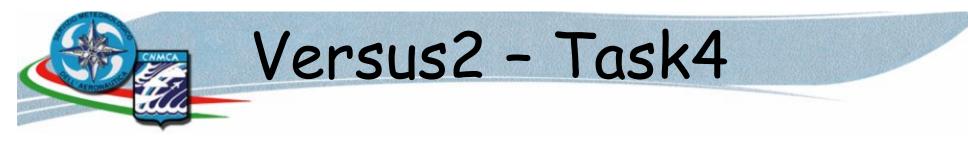**Task 3c**: Implementation for verification of experimental version

Versus2 – Task4

Task 4: Implementation of Probabilistic Scores

More details – Tomorrow

<u>Main Activities</u>

Pre-task: Description of "R" package for EPS verification

Task 4a: Implementation of "R" package in VERSUS

Task 4b: GUI update for new functionalities.

Deliverable planned March 2012 – Delayed

DECEMBER 2012

Versus2 – Task4

Task 4: Implementation of Probabilistic Scores

Reference document for description of "R" package for Prob. verification released (A. Boundel, F. Gofa)
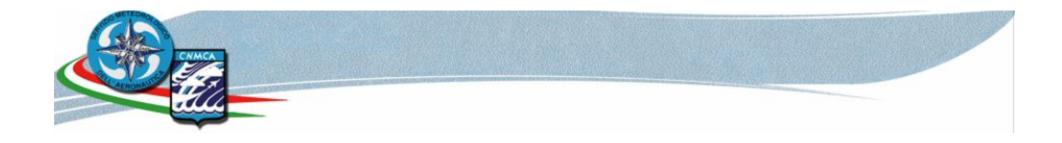
Really useful guide

Two meeting with the Arpa Emilia Romagna collegues (April, June) to compare COSMO- LEPS verification

Decision on how to compute probablities

More details – Tomorrow

Thanks
for your
attention!