



STC Report

St Petersburg, 6th of September 2018

Andrzej Wyszogrodzki

42th STC meeting 3th-4th Sept. 2018



Participants:

- A. Wyszogrodzki (Poland, chair)
- D. Majewski (Germany)
- P. Steiner (Switzerland)
- L. Torrisi (Italy)
- P. Skrimizeas (Greece)
- E. Mateescu (Romania)
- D. Kiktev (Russia)
- Y. Levi (Israel)
- D. Mironov (SPM)

Guest speakers:

F. Gofa, D. Rieger

ToDo's for STC

- ☐ #51 Maintenance of VERSUS at COMET guaranteed for 2019
- ☐ #54 Computing time on RusHydronet Petascale Cray
(using of the Cray at this time impossible)
- ☐ #55 Update operational information on the COSMO web

Changes in COSMO/ICON licenses

- ☐ Annex A&H - Licensing of FieldExtra for R&D
- ☐ Annex A&F – related to ICON-LAM and the collaboration with the ICON-Developers

Work ongoing, expedited to be completed in the fall 2018

On site COSMO/ICON-LAM trainings pre request

- ☐ Several request received so far from licensee countries
- ☐ A formal procedure for processing request was established
- ☐ Onsite trainings will be provided depending on the availability of human resources at COSMO

Source code management

Jean-Marie Bettems

- ☐ EXTPAR
- ☐ Fieldextra,
- ☐ Terra Standalone
- ☐ CALMO MetaModel
- ☐ GitHUB

Source code management

Dmitrii Mironov (slides)

COSMO-ICON common physics

- ☐ code maintenance/development
- ☐ significant differences between parameterizations
- ☐ future developement within ICON

Source code management

Massimo Milelli, Dmitrii Mironov (slides)

- ☐ COSMO model documentation
- ☐ Web outlook

SCA Report for the COSMO-Model

Ulrich Schättler (slides)

- ❑ COSMO versions implemented since September 2017
- ❑ NWP Test Suite
- ❑ Distribution of New INT2LM and COSMO
- ❑ Latest Developments
- ❑ POMPA Contributions
- ❑ Plans for the next versions

Common verification software

Flora Gofa

- ☐ New verification tools (MEC/feedback files) have replaced VERSUS for the NWP Test suite
- ☐ New project CARMA, installation of the MEC software is most pressing issue

Overview of current status of WG/PP/PTs

NWP TEST Suite
PP AEVUS,
PT SAINT,
PT TERRA-Nova
PP CEL-ACCEL,
PP APSU,
PT CIAO

PP KENDA-O
PP CDIC,
PP CELO,
PP EX-CELO
PT T2RC2,
PP ConSAT,
PP CALMO-MAX,
PP INSPECT

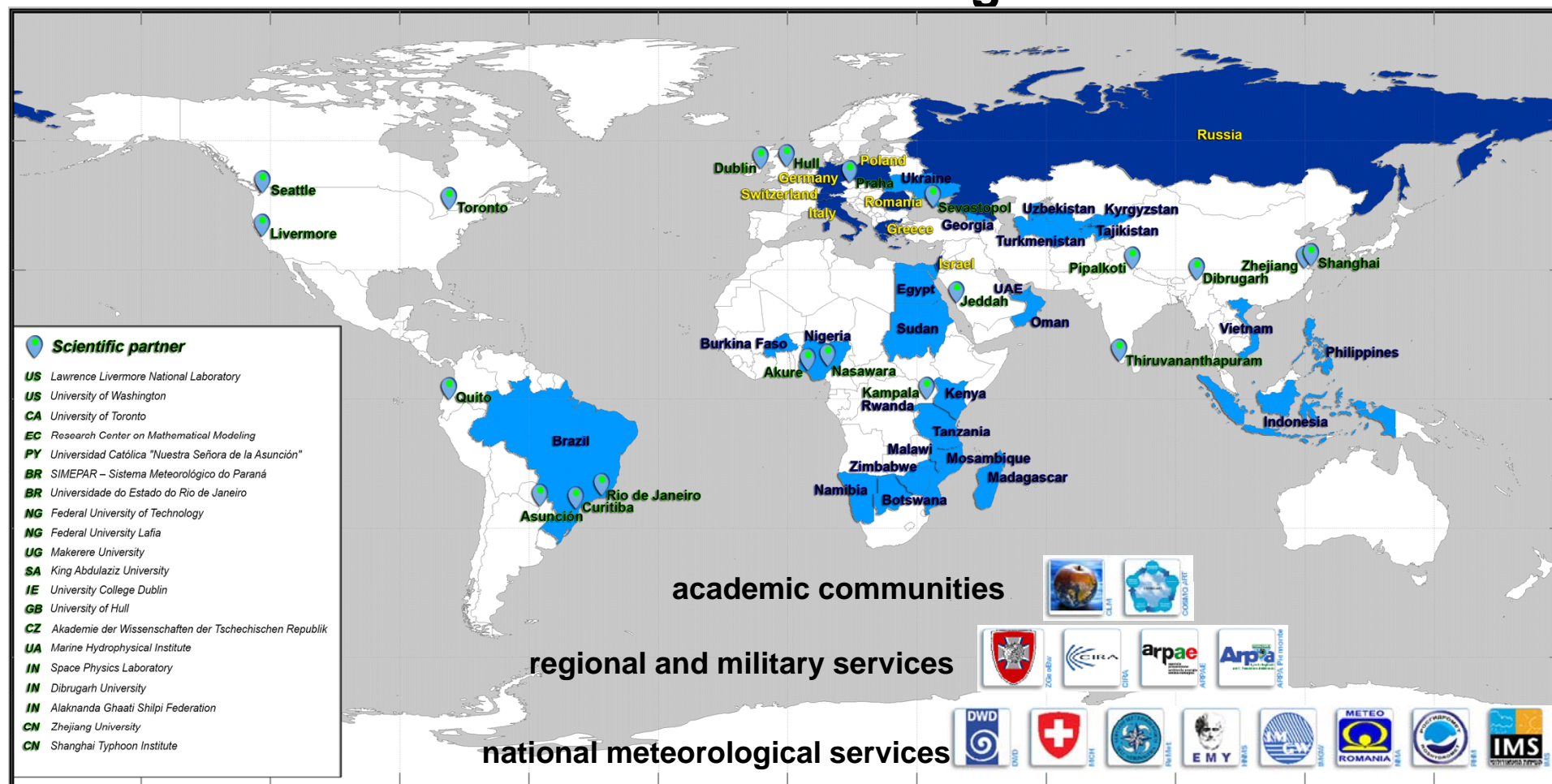
Overview of new PP/PTs submitted to date

☐ PP CARMA – **conditionally approved**
(relate PP to the CVS strategy)

☐ PP IMPACT – **conditionally approved**
(input for ICON SCA required)

☐ PT CCE – **conditionally approved**
(waiting for SMC approval)

COSMO-Model distribution/licensing



Paid (7): United Arab Emirates (NCMS), Brazil (INMET), Oman (DGMAN), Botswana (BMS), Namibia (NMS), Brazilian Navy (DHN), Turkmenistan (Turkmen Gidromet)

Free usage of COSMO model in developing countries and at universities.
Free (16): Burkina Faso, Egypt, Georgia, Indonesia, Kenya, Madagascar, Mozambique, Malawi, Nigeria, Philippines, Rwanda, Sudan, Tanzania, Ukraine, Vietnam, Zimbabwe

COSMO activity proposals for 2018



- ❑ 150K available for 2018
- ❑ 42 proposals accepted in 2018
Largest proposal (20.5K EURO) ICON-LAM workshop in October
- ❑ Around 20K EURO left for spending in 2018
- ❑ Latest refunds possible early December latest travel end of Nov.
- ❑ Extremely important to follow DWD travel regulations
(limits for per diems, hotel, transportation)
- ❑ Impossible to approve proposal after or during the ongoing trip !
- ❑ Contact Daniel Egerer in case of any formal questions

Next COSMO General meeting

Rome

9-12 September 2019



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Centre for Defense
Higher Studies (CASD)



Palazzo Salviati



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Takes its name after a noble Florentine family which in 1554-64 made it built. Here was a residence of numerous cardinals and prelates till the end of 18th century. In the 19th century it was the seat of the Pontific government archives; later it hosted the Military Court and Military College of Rome. Now it is a seat of CASD.

Next COSMO STC Chairman 2019-2020



COSMO Newsletter



Two roadpaths (Martin Köhler):

- ☐ emphasize the newsletter and **make it relevant** (DOI, FTE, parallel summaries, etc)

OR

- ☐ let it slowly **become irrelevant** and eventually **die peacefully**

NL Golas:

- a) review the present state and changes of the model system and its operational application
- b) present the principal events concerning COSMO during the last year
- c) summarize recent research and development work as well as results from the model verification and diagnostic evaluation.
- d) provide information on COSMO's activities, new information on the model system and its current forecast quality.

COSMO Newsletter

Ideas for making NL relevant (pros/cons)



- ☐ FTEs (encouraging but reallocate resources with the risk of having less resources for development)
- ☐ WG contributions from the parallel sessions (additional effort required from coordinators)
- ☐ FTEs for PP/PT short mid term reports (base for preparing the WG web reporting)
- ☐ Summary of the COSMO principal events (effort from organizers, STC/SMC/WG coordinators)
- ☐ Reports from events founded by COSMO proposals (extended min 2 page abstract from the presented material)
- ☐ DOI

Final discussion

Remaining issues/topics from CGM participants:

- ☐ PT/PP should be submitted in ahead of time for SMC discussion
- ☐ COSMO Newsletter, external visibility (DOI, Google scholar), blue book, short information about consortium activities, coordination with ICON NL, irregular vs regular (?), research notes/summaries 2pp, etc
- ☐ Required more time for parallel discussion during CGM. (shortening time for general sessions, extending time for WG sessions, more joint WG sessions, extra day for GM is a solution, additional costs of 20%, changes/restructure in CGM agenda to spent time more effectively)
- ☐ PT/PP activities vs national activities, role of WG participants and coordinator, role of FTE, setting up priorities, role of STC