



# Introduction and news about our activities

**Massimo Milelli  
&  
many others**



# Agenda Monday morning

## PARALLEL SESSION WG6 (Chair: M. Milelli) – Room Leonardo (ground floor)

09:00 - 09:20 M. Milelli, Introduction and overview

09:20 - 10:10 U. Schättler, COSMO & INT2LM SCA report

10:10 - 10:30 I. Cerenzia, COSMO-LEPS updates

10:30 - 11:00 B. Maco, User Support



# Agenda Monday afternoon

## PARALLEL SESSION PP C2I (Chair: M. Milelli) – Room Multimediale (ground floor)

**14:10** - 14:40 D. Liermann, Grib2 and EC\_CODES

14:40 - **16:10** M. Milelli (on behalf of D. Rieger), PP C2I session

## PARALLEL SESSION NWP TS (Chair: M. Milelli) – Room Multimediale (ground floor)

16:30 - 16:50 I. Cerenzia, Set-up and runs

16:50 - 17:10 A. Iriza, Verification

17:10 - 17:30 all, Discussion



# Agenda Tuesday afternoon



## HPC session (Chair: X. Lapillonne) – Room Leonardo (ground floor)

14:30 - 14:50 R. Scatamacchia, Performance and experience porting Bechtold convection scheme on GPU

14:50 - 15:10 Z. Piotrowski , PP CEL-ACCEL

15:10 - 15:30 X. Lapillonne, ENIAC Project : ICON port to GPU for climate application using OpenACC and CLAW-DSL

15:30 - 16:00 R. Dietlicher, IMPACT NWP and plan for GPU

16:30 - 16:50 C. Osuna, High level Domain Specific Language and abstraction for NWP and climate models

16:50 - 17:10 U. Schättler, New HPC system at DWD

17:10 - 18:00 all, Discussion, coordination IMPACT project





## Web outlook

Operational pages status:

- 1) Poland, latest update in 02/2018
- 2) Switzerland, latest update in 05/2018
- 3) Romania, latest update in 02/2018
- 4) Russia, latest update in 08/2019
- 5) LEPS, latest update in 03/2018
- 6) DWD, latest update in 09/2019
- 7) IMS, latest update in 08/2018



# Documentation

- Activity Proposal form changed (DWD request), and web page modified:  
<http://www.cosmo-model.org/content/support/activityProposal>
- link to ICON added in the home page
- “official” software page updated with DACE and VAST
- “other” software page updated with bufr2netcdf
- DOI in progress, TRs 16-39 labelled
- NL n°19 to be issued and labelled with DOI




# Documentation



- The DOI (Digital Object Identifiers) format reads 10.5676/dwd\_pub/nwv/cosmo-nl\_XX\_YY, where XX is the number of the Newsletter, and YY is the number of contribution within the Newsletter No. XX
- The landing page for the COSMO Newsletters is:  
[www.dwd.de/EN/ourservices/cosmo\\_newsletter/cosmo\\_newsletters.htm](http://www.dwd.de/EN/ourservices/cosmo_newsletter/cosmo_newsletters.htm)
- DOIs are also provided for COSMO Technical Reports. The DOI format reads 10.5676/dwd\_pub/nwv/cosmo-tr\_XX, where XX is the technical report number. Technical Reports (n° 24-39) with DOIs are already available at the landing page at DWD:  
[www.dwd.de/EN/ourservices/cosmo\\_technical\\_reports/cosmo\\_technical\\_reports.htm](http://www.dwd.de/EN/ourservices/cosmo_technical_reports/cosmo_technical_reports.htm)
- The work is underway to provide DOI for all COSMO Technical Reports published so far. Great thanks are due to the DWD colleagues Ms. Magdalena Bertelmann and Dr. Jörg Rapp for their kind efforts in providing DOIs for COSMO publications



# Documentation

- TRs n° 36 (PP VERSUS2), 37 (PP INSPECT), 38 (PP CORSO-A), 39 (PP SPRED) released during the COSMO year 2018-2019
- TRs n° 40 (PT Terra Nova) and 41 (PT AEVUS) to be released later in autumn
- expected TRs during next COSMO year: PP KENDA, PP POMPA, PP CDIC, PP CELO
- common plot activity report 2018-2019 is expected, but the plots are updated and the page is interactive  <http://cosmo-model.org/content/tasks/verification.priv/common/plots>
- NWP TS report is expected (v5.05 vs v5.06)





# Documentation

- Updated the Core documentation page:
  - PART VII (COSMO 5.06 and INT2LM 2.06 user's guide)
  - PART VI (Model Output and Data Formats for I/O)

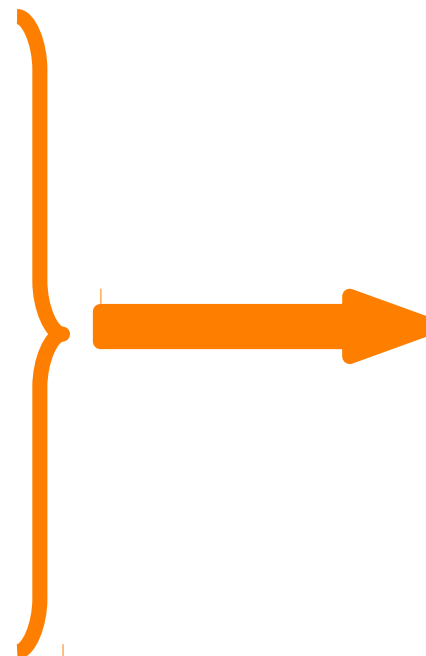


## PPs status

- PP C2I  
PPL: Daniel Rieger  
end: 03/2022  
status: ongoing
- PP IMPACT  
PPL: Carlos Osuna  
end: 09/2022  
status: ongoing
- PP CEL-ACCEL  
PPL: Zbigniew Piotrowski  
end: 09/2019  
status: still ongoing (extension requested to 03/2020)



Session in the  
afternoon

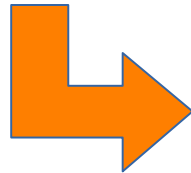


HPC session  
tomorrow  
afternoon



## Other business

- Cosmin Barbu left NMA at the end of May, his FTEs pass to Amalia
- New mail list activated for PP C2I ([c2i@cosmo-model.org](mailto:c2i@cosmo-model.org))
- Next model training course announced (30/3-3/4 2020):  
[https://www.dwd.de/EN/specialusers/research\\_education/seminar/2020/nwp\\_training\\_2020/training\\_2020\\_en\\_node.html](https://www.dwd.de/EN/specialusers/research_education/seminar/2020/nwp_training_2020/training_2020_en_node.html)
- Next ICCARUS meeting announced (2-6/3/2020):  
[https://www.dwd.de/EN/specialusers/research\\_education/seminar/2020/iccarus2020/iccarus\\_2020\\_en\\_node.html](https://www.dwd.de/EN/specialusers/research_education/seminar/2020/iccarus2020/iccarus_2020_en_node.html)



- PP C2I meeting
- Test Suites meeting



Thanks for your attention and for your work !