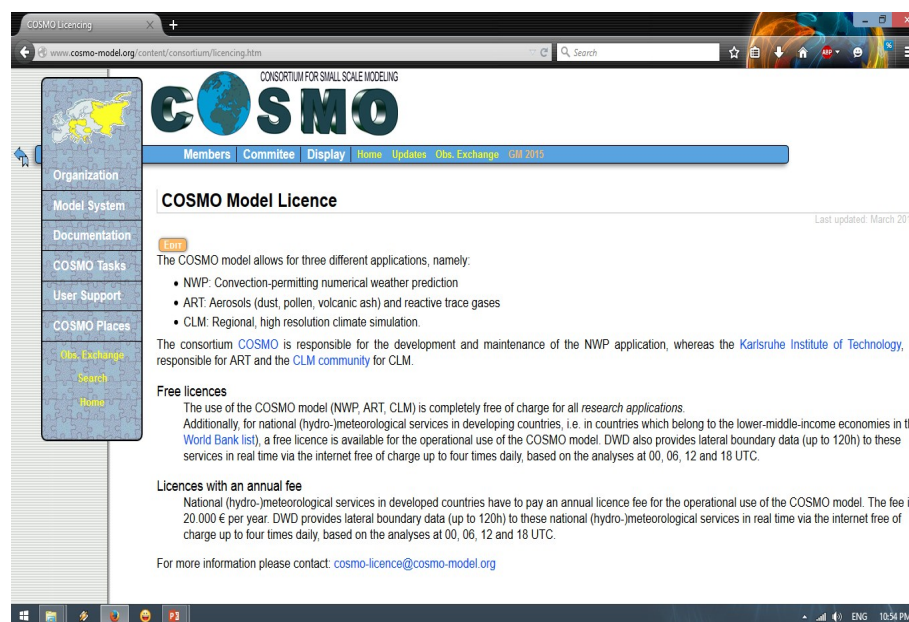


# User Support Activities

*Bogdan MACO, Amalia IRIZA-BURCA  
Rodica DUMITRACHE, Mihaela BOGDAN, Tudor BALACESCU*

## COSMO Licenses Policy

- Scientific usage: Freely available to universities, research institutes and national weather services; ICON data are transferred in delayed (24 hrs old) mode.
- Operational numerical weather prediction for non-COSMO members:
- Free for weather services in *developing countries* (see *World Bank country classification*!)
- Otherwise: Annual fee of 20.000 €;



## WG6 Priority Task – “User Support”

❖ Starting from September 2011, NMA Romania has been involved in the COSMO User Support Activities PP:

- supporting new COSMO users during the implementation phase through e-mail assistance and by remote access to their computer system;
- helping the COSMO users to set up their operational COSMO applications;
- running the COSMO - Model and the INT2LM software.

❖ The COSMO support team is offering assistance for parallel compiling and running COSMO model without data assimilation.

❖ Basic requirements:

- *Fortran compiler*: gfortran (vs. > 4.5); *C compiler*: gcc
- Libraries: DWD, GRIB\_API/ECCODES, NetCDF
- int2lm & cosmo sources

**Support Activity = email assistance + remote access + trainings**

Meteorological application development

Seminars & conferences

2021

2020

ICCARUS 2020

Registration

VISA

Hotels

Training

PDEs on the sphere

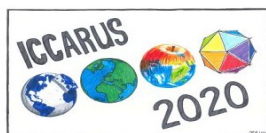
2019

2018

Contact

Use for contact:

## ICCARUS 2020 - Cancelled



Due to the recent surge of Covid-19 cases in Europe DWD has decided to protect its partners, guests, and staff from potential exposure. Given the current situation, the risk of a large international meeting with participants arriving by plane and train is difficult to assess.

Therefore, we decided to cancel ICCARUS 2020 and all associated working group meetings.

We acknowledge the inconvenience this late cancellation is likely to cause.

Meteorological application development

Seminars & conferences

2021

2020

ICCARUS 2020

Training

Hotel

VISA

PDEs on the sphere

2019

2018

Contact

Use for contact:

E-mail [training@dwd.de](mailto:training@dwd.de)

## Numerical Model Training Course is cancelled



This is really bad news: We have decided to cancel the planned Numerical Model Training Course at the end of March, following DWD's policy regarding Covid-19.

We are currently examining whether it is possible to conduct the training course at a later date. We will keep you updated.

Please remember to cancel your hotel reservations and means of travel (For Achat hotel, Monday, 01<sup>st</sup> March, at the latest!).

We acknowledge the inconvenience this cancellation is likely to cause.



## Email assistance + remote access

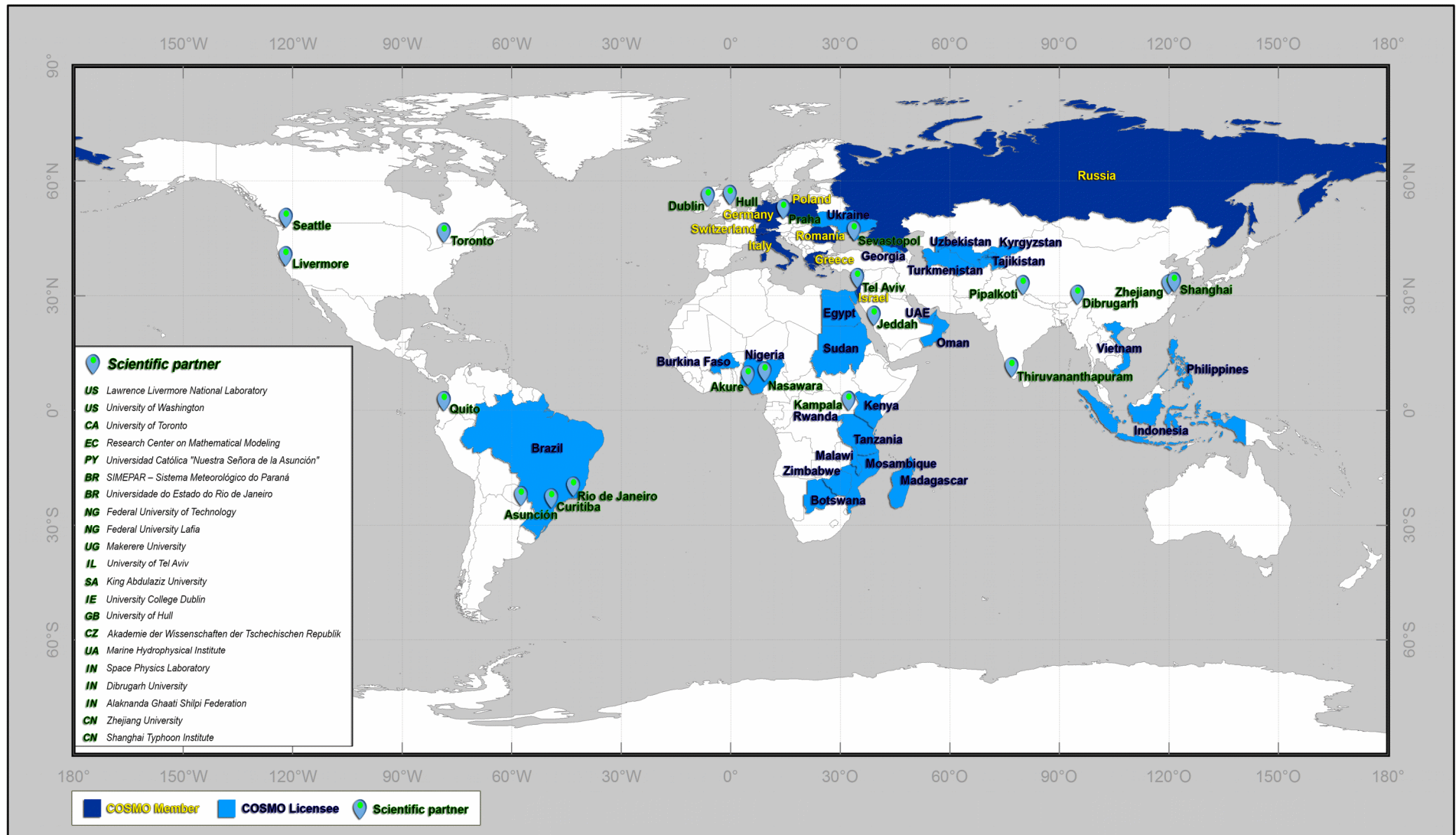
### Smoothly migration - previous steps to be accomplished:

- DWD started to distribute ICON test data to all COSMO-Model users worldwide.
- The users have been previously supported on implementation and testing the COSMO interpolation version 2.06 and model version 5.06/5.06\_1

Expectation – *improvement of COSMO model forecast.*

## COSMO User support

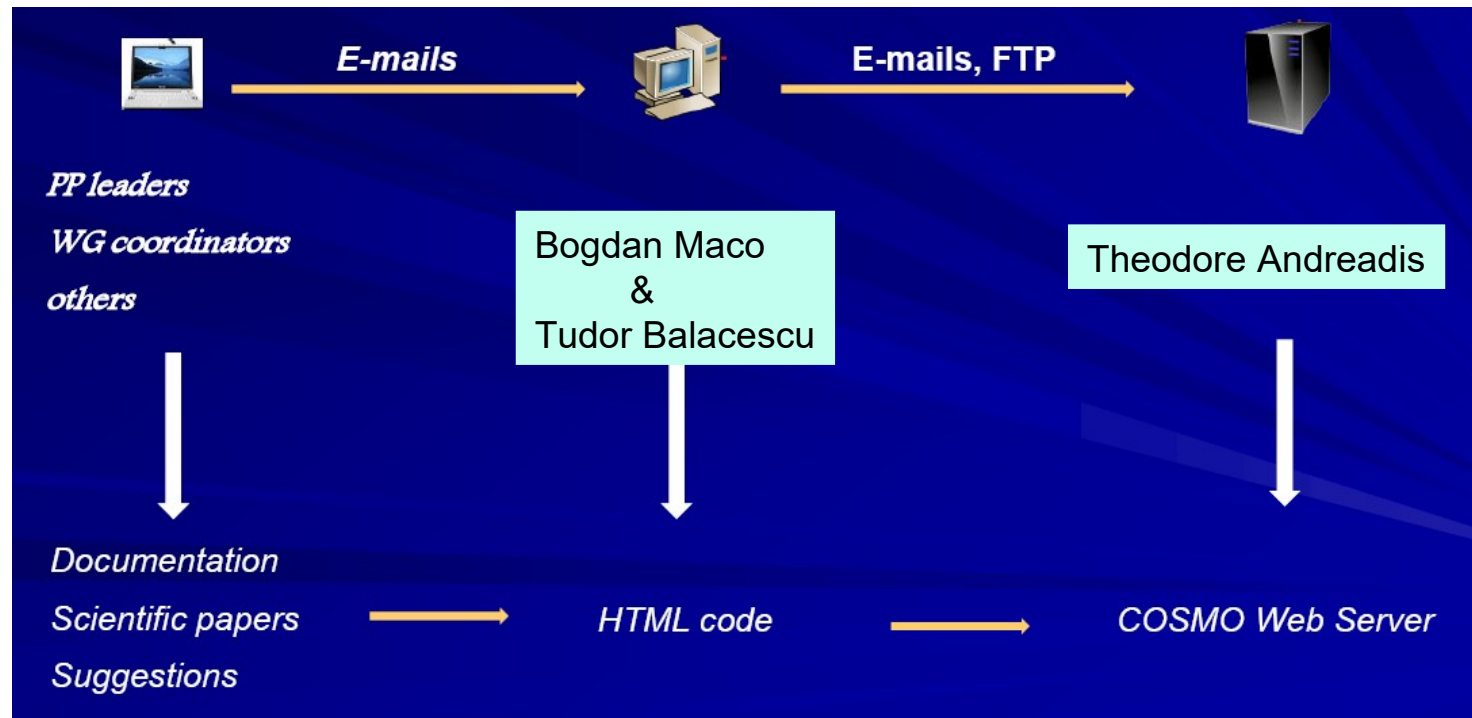
### COSMO model distribution map in 2020



# COSMO website activity

## COSMO web team & work activity

- Massimo Milelli (ARPA Piemonte) – WG6 coordinator
- Theodore Andreadis (HNMS)
- Bogdan Maco/Tudor Balacescu (NMA)
- others: PP leaders, WG coordinators, COSMO scientists





## Latest Updates

updates ordered by date reversed

This page will contain links to the most recently updated or added site pages, both in public and in members-only areas. Updates will be presented ordered by date, with the most recent on top.

<b>30 August</b> 1. new seasonal Common Verification <a href="#">plots</a> have been uploaded	<b>28 August</b> 1. the PP KENDA-O <a href="#">introductory</a> and <a href="#">FTEs</a> pages were updated 2. the WG6-SPRT <a href="#">FTEs</a> page was filled	<b>27 August</b> 1. the PP APSU <a href="#">introductory</a> and <a href="#">FTEs</a> pages were updated
<b>20 August</b> 1. the PP CAIIR <a href="#">introductory</a> and <a href="#">FTEs</a> pages were updated	<b>17 August</b> 1. the PP CARMA <a href="#">FTEs</a> page was filled	<b>27 July</b> 1. the PP AWARE <a href="#">FTEs</a> page was filled
<b>22 July</b> 1. the <a href="#">WG3b</a> page has been edited	<b>21 July</b> 1. a new <a href="#">EMVORADO</a> user guide was uploaded (all model <a href="#">user guides</a> ) 2. the PP C2I <a href="#">FTEs</a> page was filled	<b>18 July</b> 1. the minutes of the <a href="#">SMC teleconference</a> (Jun. 2020) were published
<b>3 July</b> 1. the presentations during PP AWARE's <a href="#">teleconference</a> (4 Jun) are available 2. the information pages of <a href="#">CALMO-Max</a> and <a href="#">WG3b</a> have been edited	<b>13 June</b> 1. the comparison results of <a href="#">ver5.6 vs ver5.5</a> were uploaded at the <a href="#">NWP-suite</a> page	<b>12 June</b> 1. organizational details about the <a href="#">GM2020</a> have been announced (all <a href="#">GMs</a> )
<b>4 June</b> 1. model <a href="#">core documentation</a> guides now have DOIs (the ver5.0 ones)	<b>28 May</b> 1. the operational page of <a href="#">NMA</a> is up-to-date	<b>26 May</b> 1. the operational pages of <a href="#">ARPAE-SIMC</a> and <a href="#">DWD-D2</a> have been updated 2. the minutes of PP AWARE <a href="#">teleconference</a> (14 May) were put in place
<b>22 April</b> 1. a new version of the <a href="#">EMVORADO</a> user guide was uploaded today (other <a href="#">core</a> model documentation) 2. the latest <a href="#">FieldExtra</a> version (13.2) can be downloaded	<b>16 April</b> 1. the <a href="#">minutes</a> of WG7's web-conference (Mar. 27) were uploaded (other WG7 minutes)	<b>15 April</b> 1. the <a href="#">42<sup>nd</sup> TechReport</a> (a methodology towards the hierarchy of COSMO parameter calibration) was published (all <a href="#">reports</a> ) 2. the <a href="#">minutes</a> of the CARMA web conference (1st Apr) were uploaded.
<b>7 April</b> 1. the latest COSMO agreement <a href="#">annex-A &amp; F</a> were uploaded	<b>4 April</b> 1. the minutes of NWP/ICON Meteorological Test Suite <a href="#">web conference</a> (Mar. 20th) were published (other WG6 <a href="#">meetings</a> )	<b>1 April</b> 1. the new PP <a href="#">CAIIR</a> (Clouds and Aerosols Improvements in ICON Radiation Scheme) was introduced
<b>9 March</b> 1. the minutes of the STC <a href="#">44<sup>th</sup></a> minutes are available. (see <a href="#">other</a> meetings)	<b>24 February</b> 1. two newer documents were uploaded at the model <a href="#">documentation</a> page: about <a href="#">BoxTracking</a> and <a href="#">EMVORADO</a>	<b>21 February</b> 1. the <a href="#">41<sup>st</sup> TechReport</a> (priority project POMPA final report) is published (see <a href="#">all</a> technical reports)
<b>10 January</b> 1. the <a href="#">activity proposal</a> page has been edited	<b>7 January</b> 1. the missing <a href="#">GM-2019</a> plenary-session presentations of the GM-2019 were uploaded	<b>27 December</b> 1. the <a href="#">Seasonal analytics</a> page was updated and the <a href="#">annual report</a> for 2018-2019 was placed at the <a href="#">verification</a> page
<b>20 December</b> 1. the <a href="#">40<sup>th</sup> TechReport</a> (priority project EMUO final report) was published (see <a href="#">all</a> technical reports)	<b>4 December</b> 1. the <a href="#">int21m ver2.06</a> (Nov 2019) has been uploaded (all <a href="#">core</a> documentation)	<b>25 November</b> 1. a document related to SMC adaptation ( <a href="#">Nov 15</a> Nov) in view of the transition to



# COSMO website activity

## The 19th COSMO newsletter:

- WG1 – 3 contributions
- WG3a – 1 contribution
- WG3b – 1 contribution
- WG5 – 2 contributions
- WG7 – 1 contribution
- Mission Reports – 3 contributions

+

List of COSMO Newsletters and  
Technical Reports



## The 20th COSMO newsletter:

- WG4 – 1 contribution
- WG5 – 1 contribution

Mission Reports – 2 contributions

**Starting 2019 contributions to COSMO Newsletter have DOIs.**



## NWP Test Suite Status

**\* Report “Numerical Weather Prediction Meteorological Test Suite: COSMO 5.06 vs. 5.05\_1” available on the COSMO website;**

*<http://www.cosmo-model.org/content/model/documentation/NWPSuiteReports.priv/default.htm>*

**\* ECMWF Special Projects - Ending this year**  
**"Testbed for the Evaluation of COSMO Model Versions" (2018 – 2020)**

*<https://www.ecmwf.int/en/research/special-projects>*

**\* New ECMWF Special Project request submitted, available on the ECMWF SP web page**  
**"COSMO and ICON Numerical Weather Prediction Test Suite" (2021 – 2023)**

*<https://www.ecmwf.int/en/research/special-projects>*

## Conclusions:

- COSMO model run successfully with ICON input data in most countries which asked for assistance.
- Support activities help potential users to get better acquainted with the COSMO model + migration from COSMO to ICON  
(increasing the COSMO visibility all over the world)
- COSMO News Letter - improved, ***starting No.19 have DOIs***