

## INFORMAȚII PERSONALE



Mihaela CAIAN

📍 Sos. București-Ploiești nr.97, Sector 1, Cod poștal: 013686 București România

☎️ 📞 +(40) 21 318 32 40 / 186

✉️ [mihaela.caian@meteoromania.ro](mailto:mihaela.caian@meteoromania.ro) ; [mihaela.caian@gmail.com](mailto:mihaela.caian@gmail.com)

🌐 <https://orcid.org/0000-0002-7815-4259> ; <https://www.researchgate.net/profile/Mihaela-Caian>

Sexul F | Naționalitatea Română

## FUNCTIA SAU POSTUL OCUPAT NUMELE ANGAJATORULUI

Cercetător Științific Principal Gradul 1 Administrația Națională de Meteorologie

Administrația Națională de Meteorologie

## EXPERIENȚA PROFESIONALĂ

- 1990-1992 **Master în Modelare Numerică în Meteorologie, Meteo-France, Toulouse, Franța**  
(bursă de Master ocupată prin concurs - examen organizat scris / oral la Administrația Națională de Meteorologie); Matematician la Administrația Națională de Meteorologie  
*Tipul sau sectorul de activitate:* Cercetare științifică
- 1993-1996 **PhD în Meteorologie, Universitatea Paul SABATIER, Toulouse, Franța**  
(bursă de doctorat acordată de Guvernul Francez)  
*Tipul sau sectorul de activitate:* Cercetare științifică, studii doctorale: domeniul Astrofizică-Atmosferă- Ocean
- 1996-1999 **Cercetător Științific Principal 2** la Administrația Națională de Meteorologie  
*Tipul sau sectorul de activitate:* Cercetare științifică în meteorologie, Laboratorul de meteorologie dinamică
- 1999-2000 **Cercetător Științific Principal 1** la Administrația Națională de Meteorologie  
*Tipul sau sectorul de activitate:* Cercetare științifică în meteorologie, Laboratorul de meteorologie dinamică și modelare numerică
- 2000-2004 **Associate Researcher la Imperial College London , UK**  
*Tipul sau sectorul de activitate:* Cercetare științifică în Departamentul „Space and Atmospheric Physics”, Faculty of Natural Sciences – Modelare climatică globală
- 2004-2009 **Cercetător Științific Principal 1** la Administrația Națională de Meteorologie  
*Tipul sau sectorul de activitate:* Cercetare științifică în meteorologie, Laboratorul de meteorologie dinamică și modelare numerică
- 2010-2017 **Senior Researcher, Rossby Centre for Climate Research, Sweden, SMHI**  
*Tipul sau sectorul de activitate:* Cercetare științifică în Predicția Climatică
- 2017-prezent **Cercetător Științific Principal 1** la Administrația Națională de Meteorologie  
*Tipul sau sectorul de activitate:* Cercetare științifică în meteorologie, Laboratorul de modelare numerică, Colectivul de Prognoză Lunară și Sezonieră

## EDUCAȚIE ȘI FORMARE

- 1993-1996 **Doctorat (Meteorologie) domeniul „ Astrofizică-Atmosferă- Ocean”** la Universitatea Paul Sabatier III, Toulouse, Franța  
*Titlul:* „Maille variable ou domaine limité: quelle solution pour la modélisation à échelle fine” ?  
**Coordonator:** Prof. Dr. Jean-Claude André
- 1990-1992 **Master (Modelare Numerică în Meteorologie)**  
Ecole Naționale de la Meteorologie, Toulouse, France  
**Coordonator:** Dr. Jean-Francois Geleyn
- 1980-1985 **Licență în Matematică – Facultatea de Matematică, specializarea Mecanica Fluidelor**  
Universitatea din București

## STUDII POST-UNIVERSITARE

2000-2004	<b>Associate Researcher</b> <b>Imperial College London , UK</b> Departamentul „Space and Atmospheric Physics”, Faculty of Natural Sciences <b>Research Fellow</b>
2004-2004	<b>Internațional Centre for Theoretical Physics ICTP, Trieste, Italia.</b> Departamentul „Earth System Physics”

## COMPETENTE PERSONALE

Limba(i) maternă(e) Romana

Alte limbi străine cunoscute	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Limba Engleza	C1	C1	C1	C1	C1
Limba Franceza	C2	C2	C2	C2	C2

Niveluri: A1/2: Utilizator elementar - B1/2: Utilizator independent - C1/2: Utilizator experimentat  
Cadru european comun de referință pentru limbi străine

**Competențe de comunicare** Abilități de comunicare formate pe parcursul: activității didactice la universități naționale și internaționale; al activității de Management ca Director de proiecte Internaționale și naționale; în timpul participării la numeroase proiecte naționale și internaționale; prezentării de lucrări științifice; activității de convener la sesiuni științifice internaționale și naționale.

**Competențe organizaționale/ manageriale** Director Manager de Proiect în 3 proiecte Internaționale;  
Responsabil național de Proiect în 2 Proiecte naționale și 1 proiect Internațional;  
Șef de Laborator „Laboratorul de Meteorologie Dinamică și Modelare Numerică”;  
Șef de Colectiv „ Colectivul de Prognoză Lunară și Sezonieră”

**Competențe dobândite la locul de muncă** Editor la revista „Atmosphere”. Revizor la jurnale peer-review „Nonlinear process în Geophysics”, „Boreal environment Research”

**Competențe informatice** Linux SO , UNIX, Windows; limbaje de programare Fortran, C++, Python; calcul paralel



## Proiecte conduse

- Proiect PRIMAVERA- H2020 (2015-2020) „Processed-based climate simulations: Advances in high resolution modelling and European Climate Risk Assesemen.” **Responsabil proiect pentru ANM: Mihaela Caian.** <https://www.primavera-h2020.eu/>
- Proiect Air-Aware - LIFE (2016-2019) „Air Pollution Impact Surveillance and Warning System for Urban Environment” budget. LIFE05 ENV/RO/000106. **Director Proiect : Mihaela Caian.** [https://webgate.ec.europa.eu/life/publicWebsite/index.cfm?fuseaction=search.dspPage&n\\_proj\\_id=2818](https://webgate.ec.europa.eu/life/publicWebsite/index.cfm?fuseaction=search.dspPage&n_proj_id=2818)
- Proiect Air-for-All - LIFE (2001-2005). „Air Pollution Forecasting, Alert and Monitoring System on Short Time Scale, at local and regional scale, in unfavourable meteorological and topographic conditions” (AIR quality FORecast and ALarming system onpollution Levels – AIRFORALL) LIFE00 ENV/RO/000987. **Director Proiect Mihaela Caian.** <https://webgate.ec.europa.eu/life/publicWebsite/project/details/1799>
- Proiect PREPCLIM „ Sistem pentru identificarea ideotipurilor de prumb, date de semanat optime și fertilizare cu azot în contextul schimbarilor climatice” PN-III-P2-2.1-PED-2019-5302. **Responsabil Proiect pentru ANM: Mihaela Caian**
- Proiect EU LIFE „ASSURE” – Director Proiect „A pilot study for urban Environment Impact Assessment în relation with Urban Planned Land Use, using open-GIS technology and pollution level estimation procedures – ASSURE (Assesment System for Urban Environment”) (1999-2002).LIFE99 ENV/RO/006746. **Director Proiect: Mihaela Caian** <http://lifeprogram.ro/a-pilot-system-for-urban-environmental-impact-assessment-in-relation-with-urban-planning-useusing-a-open-gis-technology-and-pollution-level-estimation-procedures-assure-life99-env-ro-006746-2/>
- Proiect FORMEPI (2005-2008): „Modele Spectrale pentru Evaluarea și Predictia impactului poluantilor și schimbarilor climatice asupra fondului forestier” (contract CEEX-CERES D11-51/2005), **Responsabil Proiect pentru ANM: Mihaela Caian;** <https://formepi.inoe.ro/ro/parteneri.php>
- Proiect MOSATCLIM - PNII (2007-2010) “Monitoring and predictive assessment of the climatic changes feedbacks impact on Landuse / Landcover by Satellite and Biogeophysics in situ data” (contract PN II 31-009/ 2007). **Responsabil Proiect pentru ANM: Mihaela Caian** <https://mostaclim.inoe.ro/en/partners.php>
- Proiect MACC (2009-2011) “Monitoring Atmospheric Composition and Climate” (2009-2011) **Responsabil Proiect pentru ANM: Mihaela Caian** <https://cordis.europa.eu/project/id/218793>

## Proiecte cu participare

- Proiect Proiect SPECS (H2020) ; (2010-2013)  
Seasonal to Decadal Climate Predictions for the improvement of the European Climate Services <https://climate-adapt.eea.europa.eu/en/metadata/projects/seasonal-to-decadal-climate-prediction-for-the-improvement-of-european-climate-services>
- Proiect EMBRACE, FP7 (2011-2016)  
Earth system Model Bias Reduction and assessing Abrupt Climate change (2011-2016) <https://cordis.europa.eu/article/id/92777-improved-earth-system-models-for-climate-change-analysis>
- Proiect COMBINE (FP7) 2009-2013  
Comprehensive Modelling of the Earth system for better climate prediction and projection. <https://www.combine-project.com/en>
- Proiect Cecilia (2006-2009)  
EC FP6 Project on the Assessment of Climate Change Impacts in Central and Eastern Europe. <http://www.cecilia-eu.org>
- Proiect IMPAERO (2005-2008)  
Utilizarea tehnicilor LIDAR si a teledetectiei satelitare in studiul UMpactului Aerosolului atmosferic asupra variabilitatii climatice regionale (contract CEEX-AMCSIT). <https://impaero.inoe.ro/contact.html>
- Proiect Camaro-D „Metode de management avansat privind impactul utilizării terenurilor asupra regimului apelor din bazinul hidrografic al Dunării” , INTERREG, (2017-2019) <https://www.meteoromania.ro/despre-noi/proiecte/proiecte-europene-2/camaro-d/>

- Proiect ARCPATH „Arctic Climate Predictions: Pathways to Resilient, Sustainable Societies” Joint Nordic Initiative on Arctic Research. <https://www.nordforsk.org/projects/arctic-climate-predictions-pathways-resilient-sustainable-societies-arcpath> (2016-2020)

## ANEXE

### Activitate Didactica

- Cursuri și seminarii la Universitatea din București (UB), Facultatea de Fizică, (Modelare numerică, anul III, și anii doctorali),
- Curs de Matematici speciale; Analiză Matematică la Academia Tehnică Militară, anul II
- Curs de „Modelare climatică” (curs invitat, anul III, UPB)
- Seminar, Imperial College -UK (Computational Physics, anul III 2000-2003)
- Cursuri post-universitare Romatsa (Dinamica Atmosferei, Modelare Numerică, Instabilități atmosferice)
- Cursuri Școala Națională de Meteorologie SNM (Dinamica atmosferei, Modelare numerică)
- Curs la SMHI-Rossby Centre -Suedia, AIDS (Climate Modeling, Climate Change, 2012-2018).
- co-coordonar sau examinator al mai multor teze de doctorat în domeniu în țară (UB) și în afara țării (Suedia).

### Cărți publicate

- Secretele aerosolului atmosferic în lumina laserilor”, *Editura Ars Docendi*. Universitatea din Bucuresti, 2008, Sabina Ștefan, Doina Nicolae, **Mihaela Caian**, 2008, pg: 354. ISBN: 978-973-558-357-6. Ctegoria: FizicaPagini: 354, Format: B5 (182 x 257 mm); ISBN: 978-973-558-357-6, Categoria: Fizic.
- Remote Sensing Techniques and Mathematics Modeling for Forest Vegetation Condition Evaluation and Forecasting / Tehnici de Teledetectie și Modelare Matematică pentru Evaluarea și Predicția Stării Vegetației Forestiere”. Zoran, Maria, **Caian, Mihaela**, Gancz, V. - *Editura Conspress – Universitatea Tehnica de Constructii Bucuresti, 2008, ISBN 978-973-100-033-6*
- Variabilitatea și schimbarea climei în România. Busuioc Aristita, **Caian Mihaela**, ChevalSorin, Bojariu Roxana, Boroneant Constanta, Baciu Madalina, Dumitrescu Alexandru. Editura Pro Universitaria ISBN: 978-973-129-549-7
- (capitol) “Environmental Tracking for Public Health Surveillance”. ISPRS Book Series. @ 2013 Taylor and Francis Group, London, ISBN 978-0-415-58471-5, CRC Press. Ed A Budge, Earth data Analysis Centre, University of New Mexico, USA,. **Capitol: Cap10**: “Information and decision support systems” pg.365-410. Autori: W. Hudspeth, WK Reisen, CM Baker, K. Kramer, **M. Caian**, V. Craciunescu, HE Brown, AC Comrie, A Zelicoff, TG Ward, RM Ragain, G Simpson, W Stanhope, TA Kass-Hout, A Scharl, Al Sonricker, JS Brownstein (Taylor and Francis, editura cf. CNSCIS: <https://uefiscdi.gov.ro/scientometrie-edituri>)

**Mihaela Caian**, RP Mic, C Corbus, CV Angearu, M Matreata. Extreme flood modeling and mechanism over Crisul Alb basin in Romania. *Catena* 196, DOI:10.1016/j.catena.2020.104923. 104923. **2020**

D.M Smith, A.Scaife, G. J. Boer, **Mihaela Caian**,F.J. Doblas-Reyes,V.Guemas,Ed.Hawkins,W Hazeleger, et al. Real-time multi-model decadal climate predictions. *Climate dynamics* 41, 2875-2888. 132. **2013** .<https://doi.org/10.1007/s00382-012-1600-0>

W Hazeleger, V Guemas, B Wouters, S Corti, I Andreu–Burillo, F-J Doblar Reyes, K, Wyser, **Mihaela Caian**. Multiyear climate predictions using two initialization strategies.*Geophysical Research Letters* 40 (9), 1794-1798. **2013**

T Koenigk, **Mihaela Caian**, G Nikulin,S.Schimanke Regional Arctic sea ice variations as predictor for winter climate conditions.*Climate Dynamics* 46, 317-337. **2016**

**Mihaela Caian**, T Koenigk, R Döscher, A Devasthale.An interannual link between Arctic sea-ice cover and the North Atlantic Oscillation *Climate dynamics* 50, 423-441, **2018**

A Bellucci, R Haarsma, S Gualdi, PJ Athanasiadis, **M Caian**, C Cassou, al. An assessment of a multi-model ensemble of decadal climate predictions *Climate Dynamics* 44, 2787-2806. **2015**

**Mihaela Caian**, J-F Geleyn Some limits to the variable-mesh solution and comparison with the nested-lam solution. *Quarterly Journal of the Royal Meteorological Society* 123 (539), 743-766. **1997**

NP Klingaman, SJ Woolnough, X Jiang, D Waliser, PK Xavier, J Petch, al. **Mihaela Caian**, Cecile Hannay, al..Vertical structure and physical processes of the Madden-Julian oscillation: Linking hindcast fidelity to simulated diabatic heating and moistening *Journal of Geophysical Research: Atmospheres* 120 (10), 4690-4717. **2015**

DM Smith, AA Scaife, E Hawkins, R Bilbao, GJ Boer, **M Caian**, LP Caron, al. Predicted chance that global warming will temporarily exceed 1.5 C *Geophysical Research Letters* 45 (21), 11,895-11,903. **2018**

F Couvreur, R Roehrig, C Rio, MP Lefebvre, **M Caian**, T Komori,al. Representation of daytime moist convection over the semi-arid Tropics by parametrizations used in climate and meteorological models. *Quarterly Journal of the Royal Meteorological Society* 141 (691), 2220-2236. **2015**

PK Xavier, JC Petch, NP Klingaman, SJ Woolnough, X Jiang, D.E Waliser, **Mihaela Caian**, Jason Cole, et al. Vertical structure and physical processes of the Madden-Julian Oscillation: Biases and uncertainties at short range *Journal of Geophysical Research: Atmospheres* 120 (10), 4749-4763. **2015**

T Koenigk, C König Beatty, **M Caian**, R Döscher, K Wyser Potential decadal predictability and its sensitivity to sea ice albedo parameterization in a global coupled model. *Climate dynamics* 38, 2389-2408. **2012**

S Leroux, G Bellon, R Roehrig, **M Caian**, NP Klingaman, JP Lafore, al. Inter-model comparison of subseasonal tropical variability in aquaplanet experiments: Effect of a warm pool *Journal of Advances in Modeling Earth Systems* 8 (4), 1526-1551. **2016**

Belda M., P. Skalák, A Farda, T Halenka, M Déqué, G Csima, J Bartholy, C. Torma, C. Boroneant C., **M Caian**, V Spiridonov .CECILIA regional climate simulations for future climate: analysis of climate change signal *Advances in Meteorology* 2015, 1-13. **2015**

A Devasthale, M Tjernström, **M Caian**, MA Thomas, BH Kahn, EJ Fetzer Influence of the Arctic Oscillation on the vertical distribution of clouds as observed by the A-Train constellation of satellites *Atmospheric Chemistry and Physics* 12 (21), 10535-10544. **2012**

**Mihaela Caian**, F Georgescu, M: Pietrisi, O Catrina..Recent changes in storm track over the Southeast Europe: a mechanism for changes in extreme cyclone variability.*Atmosphere* 12 (10), 1362. <https://doi.org/10.3390/atmos12101362>. **2021**

**Mihaela Caian**, MD Andrei. Late-Spring severe blizzard events over eastern Romania: A conceptual model of development *Atmosphere*, 10(12), 770; <https://doi.org/10.3390/atmos10120770>. **2019**



F Georgescu, S Tascu, **M Caian**, D Banciu A severe blizzard event in Romania—a case study. *Natural Hazards and Earth System Sciences* 9 (2), 623-634. **2009**

GM Martin, P Peyrillé, R Roehrig, C Rio, **M Caian**, G Bellon, F Codron, et al. Understanding the West African Monsoon from the analysis of diabatic heating distributions as simulated by climate models. *Journal of Advances in Modeling Earth Systems* 9 (1), 239-270. **2017**

Skalák P, M Déqué, M Belda, A Farda, T Halenka, G Csima, J Bartholy, **M. Caian**, V. Spiridonov. CECILIA regional climate simulations for the present climate: validation and inter-comparison. *Climate research* 60 (1), 1-12. **2014**

Chadwick R, GM Martin, D Copsey, G Bellon, **M Caian**, F Codron, C Rio, et al. Examining the West African Monsoon circulation response to atmospheric heating in a GCM dynamical core. *Journal of Advances in Modeling Earth Systems* 9 (1), 149-167. **2016**

C Cardinali, **M Caian**, J Pailleux, N Tartaglione, A Buzzi, A Lavagnini, C Transerici. An intercomparison between a global variable mesh and two limited area models on a case of rapid cyclogenesis. *Meteorology and Atmospheric Physics* 65 (1-2), 93-111. **1998**. <https://doi.org/10.1007/BF0103027>

C Stan, S Stefan, **M Caian** The structure of stationary planetary waves in winter. *Romanian Journal of Physics* 47 (7/8), (795-808). **2002**

Savin E, Mihailescu D, Oancea S, Diamandi A., **Caian M**, Nertan , Poenaru V. INTEGRATED SYSTEM OF EARLY WARNING, MONITORING AND DROUGHT RISK ANALYSIS FOR ROMANIA. CORE SPATIAL DATABASES - UPDATING, MAINTENANCE AND SERVICES - FROM THEORY TO PRACTICE. Book Series International Archives of the Photogrammetry Remote Sensing and Spatial Information Science Volum 38-4-8 Issue 2 Page 108-113 (web-of-science)

## Alte Publicatii indexate ISI

Changes in Breeze Warmest Summers for the Romanian Black Sea Coast in Climate Scenarios for the Time Horizon 2050. 2021 "Air and Water – Components of the Environment" **Caian, M.**, Radu, C., Bandoc, G. (2021) .*Conference Proceedings*, Cluj-Napoca, Romania, p. **149-158**, DOI: 10.24193/AWC2021\_14. **(10 pg)**. Air and Water- components of the Environment, Martie 2021. Conference Proceedings Cluj-Napoca, Martie 2021, ISSN: 2067-743X

Model validation and drought assessment with a regional climate model over Moldova. V Potop, C Boroneant, **M Caian** . *Scientia Agriculturae Bohemica* 43 (4), 134-144, Indexed in SCOPUS:SJR (2018): 0,212 - Q3

Using various visualization techniques to outline vulnerability to drought in the Republic of Moldova. ,C Boroneant, V Potop, **M Caian**. *J Soukup Geographia Napocensis* 7 (2), 97-108

Assessing the changes in drought conditions during summer in the Republic of Moldova based on RegCM simulations. V Potop, C Boroneant, **M Caian**. *Journal of Economic Development, Environment and People* 2 (3), 63, ISSN :2285-3642

Effect of air pollution upon the hospitalization for acute lower respiratory tract infections among the Bucharest municipality's residents. Nedelcu N-Ion, M Nițescu, **M Caian**, R Bacruban, E Ceaușu. *Bacteriologia, Virusologia, Parazitologia, Epidemiologia* (Bucharest, Romania), ISSN: 1220-3696.

Effect of air pollution upon the hospitalization for acute lower respiratory tract infections among the Bucharest municipality's residents. Nedelcu N-Ion, M Nițescu, **M Caian**, R Bacruban, E Ceaușu. *Bacteriologia, Virusologia, Parazitologia, Epidemiologia* (Bucharest, Romania), ISSN: 1220-3696.

Correlations between outdoor air pollution and hospital admission for asthma in children living in Bucharest municipality, 2004-2007. C Ulmeanu, **M Caian**, N Ion Nedelcu, M Chiru, MD Craciun. et al. *Maedica-a Journal of Clinical Medicine* 3 (3), ISSN 1841-9038 e-ISSN 2069-6116 ISSN-L 1841-9038

On-line Air Quality Monitoring and Warning support system for Bucharest urban area. V Crăciunescu, **M Caian**, C Fluerau, A Nertan. *Geographia Technica* 7 (1) DOI: 10.21163 ISSN 1842-5135 (Printed version). Indexa CLARIVATE ANALYTICS, SCOPUS, GEOBASE, EBSCO, [SJR, CABELL](#). ISSN 2065-4421 (Online version)

## NEWSLETTER

**M. Caian**, J.D. Haigh, UGAMP Newsletter, 27 Oct. 2003: Ocean feedback on wave propagation during post-volcanic eruption winters , Imperial College, London: <http://www.met.reading.ac.uk/~sws05agt/pubs/newsletter27.pdf>, UK

**M. Caian**, J.D. Haigh UGAMP Newsletter, 27 Oct. 2003. Eddy activity in the presence of stratospheric aerosol., Imperial College, London, <http://www.met.reading.ac.uk/~sws05agt/pubs/newsletter27.pdf>, UK

D. Banciu, V. Ivanovici, C. Soci, S. Stefanescu, **M. Caian**, R Radu. (pg. 61-66) Aladin Newsletter No. 27. Dec. 2004. Romania report., [https://www.umr-cnrm.fr/aladin/IMG/pdf/NL27\\_2PAPER.pdf](https://www.umr-cnrm.fr/aladin/IMG/pdf/NL27_2PAPER.pdf)

D. Banciu, **M. Caian** Aladin model Newsletter No. 36. 2009. Romania report 2009. (pg. 13-15) <https://www.umr-cnrm.fr/aladin/IMG/pdf/FULL.pdf>

Rada C., A. Sima and **M. Caian** Aladin Model Newsletter, 2000. Ozone profile fitted to Bucharest measured data., 2000: ALADIN Newsletter 18, 51-57, France. <https://www.umr-cnrm.fr/aladin-old/newsletters/news18/caian.html>

Radnoti G, A. Ajaji, R. Bubnova, **M. Caian**, E. Cordoneanu, K Emde, JD Grill, J Hoffman, A. Horanyi, S Issara, V Ivanovici, M Janousek, A. Joly, P Lemoigne, S Malardel. The spectral limited area model ARPEGE/ALADIN PWPR Report Series, No.7, WMO/TD no. 699, pp.111-118. [https://www.umr-cnrm.fr/aladin/IMG/pdf/RADNOTI-pdf\\_-\\_Adobe\\_Acrobat\\_Professional.pdf](https://www.umr-cnrm.fr/aladin/IMG/pdf/RADNOTI-pdf_-_Adobe_Acrobat_Professional.pdf)

## NOTE TEHNICE / RAPOARTE INTERNAȚIONALE ȘI NATIONALE

Amstrup B., A. Baklanov, H. Feddersen, T. Lorenzen, A. Mahura, R. Nuterman, J. Weismann, **M. Caian**, R., Dumitrache, C. Rada, V. Craciunescu (2010): Core-downstream processing chain test cases: Evaluation of current R-ENS individual and ensemble forecasts in the Copenhagen and Bucharest areas, (Eds. Baklanov A., Mahura A.), FP7 MACC Report D\_OINT\_2.4.1-2, 36p(2010). [https://www.mv.helsinki.fi/home/mahura/AM\\_reports\\_1.pdf](https://www.mv.helsinki.fi/home/mahura/AM_reports_1.pdf)

Nuterman R., A. Mahura, B. Amstrup, A. Baklanov, A. Zakey, D. Banciu, S. Tascu, M. Pietrisi, R. Dumitrache, **M. Caian** (2011): Core-downstream processing chain test cases: Running the full downscaling model systems based on the ensemble forecasts. FP7 MACC Report D\_OINT\_2.7.1-2, Technical Note, 17p. [https://www.mv.helsinki.fi/home/mahura/AM\\_reports\\_1.pdf](https://www.mv.helsinki.fi/home/mahura/AM_reports_1.pdf)

Amstrup B., A. Baklanov, T. Lorenzen, A. Mahura, R. Nuterman, J. Weismann, D. Banciu, S. Tascu, M. Pietrisi, R. Dumitrache, **M. Caian** (2010): Core-downstream processing chain test cases: Setup of the two downscaling model configurations (Eds. Baklanov A., Nuterman R.), FP7 MACC Report D\_OINT\_2.5.1-2, 18p. [https://www.mv.helsinki.fi/home/mahura/AM\\_reports\\_1.pdf](https://www.mv.helsinki.fi/home/mahura/AM_reports_1.pdf)

Amstrup B., A. Baklanov, A. Mahura, R. Nuterman, D. Banciu, S. Tascu, M. Pietrisi, R. Dumitrache, **M. Caian** (2010): Core-downstream processing chain test cases: Running the full downscaling model systems. FP7 MACC Report D\_OINT\_2.6.1-2, 12p. [https://www.mv.helsinki.fi/home/mahura/AM\\_reports\\_1.pdf](https://www.mv.helsinki.fi/home/mahura/AM_reports_1.pdf)

Gabriela Băncilă, Cristian Crăciun, Mihaela Neacsu, **Mihaela Caian**. Application and Verification of ECMWF Products 2021 – Romania. Green Boock 2021, Chapter, <https://www.ecmwf.int/en/elibrary/81256-application-and-verification-ecmwf-products-2021-romania>

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Semnătura,  
CS1, Dr. Mihaela Caian

