



LUKA ILIĆ

PHD, METEOROLOGY

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EDUCATION

PhD, Meteorology
Faculty of Physics,
University of Belgrade
2022

MSc, Meteorology
Faculty of Physics,
University of Belgrade
2012

TECHNICAL SKILLS

Tailored Weather and
Climate Services
Numerical Weather
Prediction
Geophysical Fluid
Dynamics
High Performance
Computing (HPC)

MORE INFORMATION

[ORCID](#)
[Personal Portfolio](#)

SUMMARY

Atmospheric scientist specializing in mineral dust and aerosol modelling, data integration, and high-performance computing. Experienced in advancing modelling systems across scales and developing physics-based parameterizations, and remote sensing based validation. With a strong focus on turning complex atmospheric models into operational workflows and decision-ready environmental services.

SELECTED PROFESSIONAL EXPERIENCE

Recognized Researcher

Barcelona Supercomputing Center (BSC), Barcelona, Spain | 2021 - Present

- Atmospheric dust transport and radiation interaction model development, MONARCH Model
- Numerical air quality model forecast validation with ground-based sun-photometers, Copernicus Atmospheric Monitoring Service (CAMS), AERONET
- Field measurement campaign J-WADI in the Wadi-Rum desert

Research Assistant

Institute of Physics Belgrade (IPB), Belgrade, Serbia | 2013 – 2021

- Atmospheric dust transport and ice nucleation in clouds model development, DREAM Model
- Atmospheric pollen transport and rupture model development, DREAM-Pollen
- Operational numerical weather prediction of dust and pollen
- LIDAR aerosol remote sensing, ground-based and satellite
- Field measurement campaign PRE-TECT in Crete

Meteorologist

SEWA – Environment and Weather Agency, Belgrade, Serbia | 2007 – 2013

- Operational Numerical Weather Prediction System development
- Model Output Statistics (MOS)
- Wind energy weather forecast
- Tailored road weather and central heating forecasts

JOURNAL ARTICLES

- Ničković, S., Petković, S., Ilić, L., Pejanović, G., Mijić, Z., Huete, A., Marks, G., (2022) Prediction of airborne pollen and sub-pollen particles for thunderstorm asthma outbreaks assessment, *Science of The Total Environment*, Volume 864, 2023, 160879, ISSN 0048-9697, <https://doi.org/10.1016/j.scitotenv.2022.160879>
- Ilić, L., Jovanović, A., Kuzmanoski, M., Lazić, L., Madonna, F., Rosoldi, M., et al. (2022). Mineralogy sensitive immersion freezing parameterization in DREAM. *Journal of Geophysical Research: Atmospheres*, 127, e2021JD035093. <https://doi.org/10.1029/2021JD035093>
- Barreto, Á., Cuevas, E., García, R. D., Carrillo, J., Prospero, J. M., Ilić, L., Basart, S., Berjón, A. J., Marrero, C. L., Hernández, Y., Bustos, J. J., Ničković, S., and Yela, M.: Long-term characterisation of the vertical structure of the Saharan Air Layer over the Canary Islands using lidar and radiosonde profiles: implications for radiative and cloud processes over the subtropical Atlantic Ocean, *Atmos. Chem. Phys.*, 22, 739–763, <https://doi.org/10.5194/acp-22-739-2022>
- Vudragovic, D., Ilić, L., Jovanovic, P., Nickovic, S., Bogojevic, A., and Balaz, A., (2018) VI-SEEM DREAMCLIMATE Service, Scalable Computing: Practice and Experience, 19(2), <https://doi.org/10.12694/scpe.v19i2.1396>
- Ilić, L., Kuzmanoski, M., Kolarž, P., Nina, A., Srečković, V., Mijić, Z., Bajčetić, J., Andrić, M., (2018) Changes of atmospheric properties over Belgrade, observed using remote sensing and in situ methods during the partial solar eclipse of 20 March 2015, *Journal of Atmospheric and Solar-Terrestrial Physics*, Volume 171, 2018, Pages 250-259, ISSN 1364-6826, <https://doi.org/10.1016/j.jastp.2017.10.001>.
- Granados-Muñoz, M. J., Navas-Guzmán, F., Guerrero-Rascado, J. L., Bravo-Aranda, J. A., Biniotoglou, I., Pereira, S. N., Basart, S., Baldasano, J. M., Belegante, L., Chaikovsky, A., Comerón, A., D'Amico, G., Dubovik, O., Ilić, L., Kokkalis, P., Muñoz-Porcar, C., Nickovic, S., Nicolae, D., Olmo, F. J., Papayannis, A., Pappalardo, G., Rodríguez, A., Schepanski, K., Sicard, M., Vukovic, A., Wandinger, U., Dulac, F., and Alados-Arboledas, L. (2016) Profiling of aerosol microphysical properties at several EARLINET/AERONET sites during the July 2012 ChArMEx/EMEP campaign, *Atmos. Chem. Phys.*, 16, 7043–7066, <https://doi.org/10.5194/acp-16-7043-2016>
- Lazić, L., Aničić Urošević, M., Mijić, Z., Vuković, G., Ilić, L. (2016) Traffic contribution to air pollution in urban street canyons: Integrated application of the OSPM, moss biomonitoring and spectral analysis, *Atmospheric Environment*, Volume 141, 2016, Pages 347-360, ISSN 1352-2310, <https://doi.org/10.1016/j.atmosenv.2016.07.008>.
- Biniotoglou, I., Basart, S., Alados-Arboledas, L., Amiridis, V., Argyrouli, A., Baars, H., Baldasano, J. M., Balis, D., Belegante, L., Bravo-Aranda, J. A., Burlizzi, P., Carrasco, V., Chaikovsky, A., Comerón, A., D'Amico, G., Filioglou, M., Granados-Muñoz, M. J., Guerrero-Rascado, J. L., Ilic, L., Kokkalis, P., Maurizi, A., Mona, L., Monti, F., Muñoz-Porcar, C., Nicolae, D., Papayannis, A., Pappalardo, G., Pejanovic, G., Pereira, S. N., Perrone, M. R., Pietruczuk, A., Posyniak, M., Rocadenbosch, F., Rodríguez-Gómez, A., Sicard, M., Siomos, N., Szkop, A., Terradellas, E., Tsekeri, A., Vukovic, A., Wandinger, U., and Wagner, J. (2015) A methodology for investigating dust model performance using synergistic EARLINET/AERONET dust concentration retrievals, *Atmos. Meas. Tech.*, 8, 3577–3600, <https://doi.org/10.5194/amt-8-3577-2015>

- Stojic, A., Stanišić Stojic, S., Šoštaric, A., Ilić, L., Mijic, Z., Rajšić, S., (2015) Characterization of VOC sources in an urban area based on PTR-MS measurements and receptor modelling. *Environ Sci Pollut Res* 22, 13137–13152, <https://doi.org/10.1007/s11356-015-4540-5>
- Papayannis, D. Nicolae, P. Kokkalis, I. Biniotoglou, C. Talianu, L. Belegante, G. Tsaknakis, M.M. Cazacu, I. Vetres, L. Ilić (2014), Optical, size and mass properties of mixed type aerosols in Greece and Romania as observed by synergy of lidar and sunphotometers in combination with model simulations: A case study, *Science of the Total Environment* 500–501 (2014) 277–294 <https://www.sciencedirect.com/science/article/abs/pii/S0048969714012807>
- Kotroni, V., Floros, E., Lagouvardos, K., Pejanovic, G., Ilić, L., and Zivkovic, M., (2010) Multi-model multi-analysis ensemble weather forecasting on the Grid for the South Eastern Mediterranean Region, *Earth Science Informatics*, 3, 209–218, <http://dx.doi.org/10.1007/s12145-010-0071-2>

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- Ilić, L., Obiso, V., Gonçalves Ageitos, M., Li, L., Mahowald, N. M., Miller, R. L., Ginoux, P., Song, Q., Brodrick, P. G., Thompson, D. R., Clark, R. N., Ehlmann, B. L., Okin, G. S., Zhou, B., Kalashnikova, O., Green R. O., Pérez García-Pando, C. (2025) Dust Absorption Sensitivity to Mineralogy in the MONARCH Model, 24th AeroCom / 13th AeroSat workshop, Institut Pascal, Université Paris-Saclay, France, 13-17 October 2025 <https://aerocom.met.no/events/aerocom2025>
- Gilè, C., Emili, E., Escribano, J., Ilic, L., Jorba Casellas, O., and Perez Garcia Pando, C. (2025) Evaluating the MONARCH Model with Lidar Data: A Step Toward Improving Global Dust Surface Concentrations, EGU General Assembly 2025, Vienna, Austria, 27 Apr–2 May 2025, EGU25-9052, <https://doi.org/10.5194/egusphere-egu25-9052>
- Costa-Surós, M., Gonçalves, M., Chatziparaschos, M., Georgakaki, P., Ilić, L., Montane, G., Myriokefalitakis, S., van Noije, T., Le Sager, P., Kanakidou, M., Nenes, A., and Pérez García-Pando, C. (2023) New Aerosol-sensitive Heterogeneous Ice Nucleation Parameterization in the EC-Earth3 Earth System Model: evaluation and climate response, EGU General Assembly 2023, Vienna, Austria, 23–28 Apr 2023, EGU23-13040, <https://doi.org/10.5194/egusphere-egu23-13040>
- Mijić, Z., Ilić, L., Kuzmanoski, M. (2023) Data quality assurance for atmospheric probing and modeling: characterization of Belgrade Raman lidar station, Contributions of the Astronomical Observatory Skalnate Pleso, vol. 53, no. 3, p. 163-175, <https://doi.org/10.31577/caosp.2023.53.3.163>
- Ilić, L., Gonçalves, M., Obiso, V., Miller, R. L., Escribano, J., Klose, M., Jorba, O., Pérez García-Pando, C. (2022) The role of soil mineralogy atlas and iron oxide mixing assumptions upon global and regional dust radiative effects in the MONARCH model, AGU Fall Meeting 2022, held in Chicago, IL, 12-16 December 2022, id. A55O-1321, <https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1143201>
- Ilić, L., Marinou, E., Jovanović, A., Kuzmanoski, M., and Ničković, S. (2021) Ice nucleating particle concentrations in Dust Regional Atmospheric Model (DREAM) – going one step further, Geophysical Research Abstracts, EGU2021-7754, 2020, EGU General Assembly 2021, <https://doi.org/10.5194/egusphere-egu21-7754>
- Ilić, L., Cvetković, B., Pejanović, G., Petković, S., Kuzmanoski, M., Ničković, S. (2020) Mineralogy sensitive ice nucleation parameterizations in Dust Regional Atmospheric Model (DREAM), Geophysical Research Abstracts, EGU2020-15857, 2020, EGU General Assembly 2020, <https://doi.org/10.5194/egusphere-egu2020-15857>
- Ilić, L., Jovanović, A., Kuzmanoski, M., Ničković, S., (2019) Modeling of immersion freezing initiation of mineral dust in dust regional atmospheric model DREAM, The 7th international WeBIOPATR Workshop and Conference, Belgrade
- Ilić, L., Cvetković, B., Pejanović, G., Petković, S., Kuzmanoski, M., Ničković, S. (2018) Modeling of mineral composition effects on ice nucleation due to dust in Dust Regional Atmospheric Model (DREAM), Geophysical Research Abstracts, Vol. 20, EGU2018-16921, 2018, EGU General Assembly 2018, <https://meetingorganizer.copernicus.org/EGU2018/EGU2018-16921.pdf>
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<https://meetingorganizer.copernicus.org/EGU2018/EGU2018-10050.pdf>

Ničković, S., Cvetković, B., Pejanović, G., Ilić, L., Madonna, F., Weber, D., Vuković, A., Pejanović, G., Nikolić, J., Petković, S. (2018) Predicting atmospheric dust process from Icelandic soil sources, Geophysical Research Abstracts, Vol. 20, EGU2018-10338, 2018, EGU General Assembly 2018, <https://meetingorganizer.copernicus.org/EGU2018/EGU2018-10338.pdf>

Vassilis, A., Marinou, E., Tsekeri, A., Solomos, S., Kottas, M., Proestakis, E., Konsta, D., Gkikas, A., Daskalopoulou, V., Tetoni, E., Gialitaki, A., Nicolae, D., Belegante, L., Ene, D., Andrei, S., Carstea, E., Stefanie, H., Dandocsi, A., Komppula, M., Kanakidou, M., Michalopoulos, N., Kalivitis, N., Kouvarakis, G., Rosoldi, M., Pappalardo, G., Campanelli, M., Biniotoglou, I., Kazadzis, S., Raptis, P., Ulanowsk, J., Tesche, M., Mueller, D., Kezoudi, M., Smith, H., Marengo, F., Balis, D., Voudouri, K., Siomos, N., Nickovic, S., Cvetkovic, B., Ilić, L., Goloub P., Diemoz, H., Aslanoglu, Y., Estelles, V., Basart, S., Eleftheriadis, K., Hloupis, G., Weinzierl, B. (2018) The Pre-TECT campaign - Revealing the secrets of desert dust, ELC, European Lidar Conference

Kuzmanoski, M., Ilić, L., Mijić, Z., (2017) Aerosol remote sensing study of a Saharan dust intrusion episode in Belgrade, Serbia, XIX International Eco-Conference, September 25-27, Belgrade, Serbia, 73-81

Ilić, L., Cvetković, B., Ničković, S. (2017) Assessment of health effects of exposure to atmospheric mineral dust using the NMME-DREAM model, Earth's climate changes and impacts, Book of Abstracts, p. 67, October 11-13, 2017, Belgrade, Serbia

Kuzmanoski, M., Ilić, L., Todorović, M., Mijić, Z., (2017) A study of a dust intrusion event over Belgrade, Serbia, The 6th international WeBIOPATR Workshop and Conference, Book of Abstracts, 6-8 September 2017, Belgrade, Serbia, p. 36

Mijić, Z., Ilić, L., Kuzmanoski, M., (2017) Raman lidar for atmospheric aerosol profiling in Serbia, 49th International October Conference on Mining and Metallurgy, Proceedings, pp. 65-68, October 18-21, 2017. Bor Lake, Serbia

Mijić, Z., Perišić, M., Ilić, L., Stojić, A., Kuzmanoski, M., (2017) Air mass transport over Balkan region identified by atmospheric modeling and aerosol lidar technique, 49th International October Conference on Mining and Metallurgy, Proceedings, pp. 69-72, October 18-21, 2017. Bor Lake, Serbia.

Mijić, Z., Ilić, L., Kuzmanoski, M. (2017) Vertical Raman LIDAR profiling of atmospheric aerosol optical properties over Belgrade, PHOTONICA 2017, Book of Abstracts, p. 210, August 28 - September 1, 2017, Belgrade, Serbia.

Mijić Z., Perišić, M., Stojić, A., Kuzmanoski, M., Ilić, L., (2017) Estimation of atmospheric aerosol transport by ground-based remote sensing and modeling, XIX International Eco-Conference, September 25-27, 2017, Belgrade, Serbia, 375-382,

Kuzmanoski, M., Ničković, S., Ilić, L., (2016) Spatial distribution of mineral dust single scattering albedo based on DREAM model, Geophysical Research Abstracts, Vol. 20, EGU2016-4425, 2016, EGU General Assembly 2016, <https://meetingorganizer.copernicus.org/EGU2016/EGU2016-4425.pdf>

Ilić, L., Kuzmanoski, M., Mijić, Z., (2015) Planetary Boundary Layer and Elevated Aerosol Layer Height Retrieval from Lidar Signal in Belgrade, 5th International WeBIOPATR Workshop & Conference Particulate Matter: Research and Management, October 14-16, 2015, Belgrade, Serbia, 77-84

TECHNICAL REPORTS

- L. Blake, A. Arola, A. Benedictow, Y. Bennouna, I. Bouarar, Cuevas, Q. Errera, H.J. Eskes, J. Griesfeller, L. Ilić, J. Kapsomenakis, B. Langerock, C. W. Y. Li, E, A. Mortier, I. Pison, M. Pitkänen, A. Richter, A. Schoenhardt, M. Schulz, J. Tarniewicz, A. Tsikerdekis, T. Warneke, C. Zerefos Validation report for the CAMS global reanalyses of aerosol and reactive trace gases: 2003-2024, Copernicus Atmosphere Monitoring Service (CAMS) report
- I. Pison, A. Arola, A. Benedictow, Y. Bennouna, L. Blake, I. Bouarar, Q. Errera, H.J. Eskes, A. Gkikas, J. Griesfeller, L. Ilić, J. Kapsomenakis, M. Kouyate, B. Langerock, C. W. Y. Li, A. Mortier, M. Parrington, M. Op de beeck, M.R.A. Pitkänen, M. Ramonet, A. Richter, A. Schoenhardt, M. Schulz, J. Tarniewicz, V. Thouret, A. Tsikerdekis, T. Warneke, C. Zerefos, Validation report of the CAMS near-real-time global atmospheric composition service: December 2024 - February 2025, Copernicus Atmosphere Monitoring Service (CAMS) report
- Eskes, H.J., Y. Bennouna, A. Benedictow, L. Blake, Q. Errera, A. Gkikas, L. Ilić, J. Kapsomenakis, B. Langerock, C. W. Y. Li, A. Mortier, M. Pitkänen, M. Ramonet, A. Richter, A. Schönhardt, M. Schulz, A. Tsikerdekis, T. Warneke, C. Zerefos, Observations used for the validation of the CAMS global products, Copernicus Atmosphere Monitoring Service (CAMS) report
- H.J. Eskes, A. Tsikerdekis, A. Benedictow, Y. Bennouna, L. Blake, I. Bouarar, Q. Errera, A. Gkikas, J. Griesfeller, L. Ilić, J. Kapsomenakis, B. Langerock, A. Mortier, M. Op de Beeck, I. Pison, M.R.A. Pitkänen, A. Richter, A. Schönhardt, M. Schulz, V. Thouret, T. Warneke, C. Zerefos, Upgrade verification note for the CAMS near-real time global atmospheric composition service: Evaluation of the e-suite for the CAMS Cy49R1 upgrade of 12 November 2024, Copernicus Atmosphere Monitoring Service (CAMS) report
- L. Ilić, A. Arola, A. Benedictow, Y. Bennouna, L. Blake, I. Bouarar, Q. Errera, H.J. Eskes, A. Gkikas, J. Griesfeller, J. Kapsomenakis, M. Kouyate, B. Langerock, C. W. Y. Li, A. Mortier, M. Parrington, M. Op de beeck, M.R.A. Pitkänen, I. Pison, M. Ramonet, A. Richter, A. Schoenhardt, M. Schulz, J. Tarniewicz, V. Thouret, A. Tsikerdekis, T. Warneke, C. Zerefos, Validation report of the CAMS near-real-time global atmospheric composition service: September-November 2024, Copernicus Atmosphere Monitoring Service (CAMS) report
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- Q. Errera, A. Arola, A. Benedictow, Y. Bennouna, L. Blake, I. Bouarar, H.J. Eskes, A. Gkikas, J. Griesfeller, L. Ilić, J. Kapsomenakis, M. Kouyate, B. Langerock, C. W. Y. Li, A. Mortier, M. Parrington, M.R.A. Pitkänen, I. Pison, M. Ramonet, A. Richter, A. Schoenhardt, M. Schulz, J. Tarniewicz, V. Thouret, A. Tsikerdekis, T. Warneke, C. Zerefos, Validation report of the CAMS near-real-time global atmospheric composition service: June – August 2024, Copernicus Atmosphere Monitoring Service (CAMS) report
- J. Kapsomenakis, A. Arola, A. Benedictow, Y. Bennouna, L. Blake, I. Bouarar, Q. Errera, H.J. Eskes, A. Gkikas, J. Griesfeller, L. Ilić, M. Kouyate, B. Langerock, C. W. Y. Li, A. Mortier, M.R.A. Pitkänen, I. Pison, M. Ramonet, A. Richter, A. Schoenhardt, M. Schulz, J. Tarniewicz, V. Thouret, A. Tsikerdekis, T.

- Warneke, C. Zerefos, Validation report of the CAMS nearreal-time global atmospheric composition service: March – May 2024, Copernicus Atmosphere Monitoring Service (CAMS) report
- B. Langerock, A. Arola, A. Benedictow, Y. Bennouna, L. Blake, I. Bouarar, Cuevas, Q. Errera, H.J. Eskes, J. Griesfeller, L. Ilić, J. Kapsomenakis, C. W. Y. Li, E. A. Mortier, I. Pison, M. Pitkänen, A. Richter, A. Schoenhardt, M. Schulz, J. Tarniewicz, A. Tsikerdekis, T. Warneke, C. Zerefos Validation report for the CAMS global reanalyses of aerosol and reactive trace gases 2003-2023, Copernicus Atmosphere Monitoring Service (CAMS) report
- I. Bouarar, A. Arola, A. Benedictow, Y. Bennouna, L. Blake, Q. Errera, H.J. Eskes, J. Griesfeller, L. Ilić, J. Kapsomenakis, M. Kouyate, B. Langerock, C. W. Y. Li, A. Mortier, M.R.A. Pitkänen, I. Pison, M. Ramonet, A. Richter, A. Schoenhardt, M. Schulz, J. Tarniewicz, V. Thouret, A. Tsikerdekis, T. Warneke, C. Zerefos, Validation report of the CAMS near-real-time global atmospheric composition service: December 2023 – February 2024, Copernicus Atmosphere Monitoring Service (CAMS) report
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- T. Warneke, A. Arola, A. Benedictow, Y. Bennouna, L. Blake, I. Bouarar, Q. Errera, H.J. Eskes, J. Griesfeller, L. Ilić, J. Kapsomenakis, M. Kouyate, B. Langerock, A. Mortier, M.R.A. Pitkänen, I. Pison, M. Ramonet, A. Richter, A. Schoenhardt, M. Schulz, J. Tarniewicz, V. Thouret, A. Tsikerdekis, C. Zerefos, Validation report of the CAMS near-real-time global atmospheric composition service: September – November 2023, Copernicus Atmosphere Monitoring Service (CAMS) report
- M. Kouyate, A. Arola, A. Benedictow, Y. Bennouna, L. Blake, I. Bouarar, E. Cuevas, Q. Errera, H.J. Eskes, J. Griesfeller, L. Ilić, J. Kapsomenakis, B. Langerock, A. Mortier, M.R.A. Pitkänen, I. Pison, M. Ramonet, A. Richter, A. Schoenhardt, M. Schulz, J. Tarniewicz, V. Thouret, A. Tsikerdekis, T. Warneke, C. Zerefos, Validation report of the CAMS near-real-time global atmospheric composition service: June – August 2023, Copernicus Atmosphere Monitoring Service (CAMS) report
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- Y. Bennouna, A. Arola, A. Benedictow, L. Blake, I. Bouarar, E. Cuevas, Q. Errera, H.J. Eskes, J. Griesfeller, L. Ilić, J. Kapsomenakis, B. Langerock, A. Mortier, I. Pison, M. Pitkänen, A. Richter, A. Schoenhardt, M. Schulz, J. Tarniewicz, A. Tsikerdekis, T. Warneke, C. Zerefos. Validation report for the CAMS global reanalyses of aerosol and reactive trace gases 2003-2022, Copernicus Atmosphere Monitoring Service (CAMS) report
- A. Benedictow, A. Arola, Y. Bennouna, I. Bouarar, E. Cuevas, Q. Errera, H.J. Eskes, J. Griesfeller, L. Ilić, J. Kapsomenakis, B. Langerock, A. Mortier, I. Pison, M. Pitkänen, M. Ramonet, A. Richter, A. Schoenhardt, M. Schulz, J. Tarniewicz, V. Thouret, A. Tsikerdekis, T. Warneke, C. Zerefos, Validation report of the CAMS near-real-time global atmospheric composition service: December 2022 – February 2023, Copernicus Atmosphere Monitoring Service (CAMS) report

A. Schoenhardt, A. Arola, A. Benedictow, Y. Bennouna, I. Bouarar, E. Cuevas, Q. Errera, H.J. Eskes, J. Griesfeller, L. Ilić, J. Kapsomenakis, B. Langerock, A. Mortier, I. Pison, M. Pitkänen, M. Ramonet, A. Richter, M. Schulz, J. Tarniewicz, V. Thouret, A. Tsikerdekis, T. Warneke, C. Zerefos, Validation report of the CAMS near-real-time global atmospheric composition service: September – November 2022, Copernicus Atmosphere Monitoring Service (CAMS) report

PUBLIC TALKS

The Dust Protocol Discussion and Musical Performance at the Barcelona Techies Meeting Organized by the Metapilot Acedemy, December 4, 2025, Barcelona, Spain

The Dust Protocol Discussion and Musical Performance at the art+science Festival, October 26, 2025, Belgrade, Serbia

Impact of Dust Mineralogy Representation on Modeled Optical Properties and Radiative Effects Using MONARCH, Sveučilište u Rijeci, September 3, 2025, Rijeka, Hrvatska

12th Workshop on the Theory and Use of Regional Climate Models, External Talk, Impact of Dust Mineralogy Representation on Modeled Optical Properties and Radiative Effects Using MONARCH, Abdus Salam Intenational Center for Theoretical Physics (ICTP), September 2, 2025, Trieste, Italia

Impact of Dust Mineralogy Representation on Modeled Optical Properties and Radiative Effects Using MONARCH, Univerza v Novi Gorici, August 25, Nova Gorica, Slovenija

Weather and Climate HPC across scales: SMEs, HPC Grid, Research Institutions, EuroCC4SEE Workshop in Belgrade, May 20-22, 2025, The Palace of Science, Belgrade, Serbia

CAMS2_82 Dust Validation and Model Upgrade, Faculty of Physics Seminar, Institute of Meteorology, University of Belgrade, April 22nd, Belgrade, Serbia

The Magic of Minerals in the Air Vol. 2, Talks & Meze Belgrade, August 18th, 2024.

The Magic of Minerals in the Air, Talks & Meze Barcelona, March 10th, 2024.

The Art of Improvisation: Melding into a Collective Mind, Talks & Meze Barcelona, November 26, 2023.

Prediction of airborne pollen and sub-pollen particles for thunderstorm asthma outbreaks assessment, Barcelona Supercomputing Center Internal Seminar, May 9th, 2023.

Parameterizations of atmospheric mineral dust ice nucleating particle concentrations in DREAM, Barcelona Supercomputing Center Internal Seminar, January 18th, 2022.

Implementation of mineralogy sensitive ice initiation parameterization in Dust Regional Atmospheric Model (DREAM), South East Europe Space Conference, Beograd, Srbija, September 30, 2020.

Klimatske promjene - koliko je čovjek pokvario svijet? (Climate Change – How Much Have Humans Affected the Planet?) Presentation at The Seventh Symposium Theology in the Public Sphere, Trebinje, Bosnia and Herzegovina, February, 2020.

Presentation of my PhD project, Computational Research of Young Talents in Serbia, The Milanković Day event, Mathematical Institute of the Serbian Academy of Sciences and Arts, May 28th, 2019.

Presentation on parameterization of dust-induced ice nuclei concentration in DREAM model. The talk was organized at Prof. Jennifer Kay's Polar and atmospheric science group meeting, at the Department of Atmospheric and Oceanic Sciences, University of Colorado at Boulder, July 5th, 2017.

Presentation on dust modeling using DREAM model at Prof. Ulrike Lohmann's Atmospheric Physics Group Seminar at Institute for Atmospheric and Climate Science, ETH Zurich on November 26, 2016.

Numerical Weather Prediction Eta Model - Maxeler Workshop, Univerzitet u Kragujevcu, Kragujevac, Srbija, October 20th, 2012.