

PERSONAL INFORMATION

Lucia Mona

 Consiglio Nazionale delle Ricerche. Istituto di Metodologie per l'Analisi Ambientale lucia.mona@cnr.it www.ciao.imaa.cnr.it

H-index 28

Peer reviewed papers 59

Number of citations 3402

Source: google scholar

POSITION

Senior Researcher since 01/01/2021

WORK EXPERIENCE

04/08/2003-today

Research Scientist

Consiglio Nazionale delle Ricerche (CNR)

- Leader of the ACTRIS Aerosol Remote Sensing (ARES) Data Center unit
- Research scientist on Atmospheric Sciences and ground-based remote sensing at the CNR-IMAA Atmospheric Observatory (CIAO) at CNR.
- Leader of the CAMS21b contract in the frame of the Copernicus Atmospheric Monitoring System (CAMS)
- Italian National Contact Point of ACTRIS
- PI of ICOS atmospheric station at CIAO, CNR-IMAA

EDUCATION AND TRAINING

05/04/2000 -28 /02/ 2003

PhD in Physics

University of Study of Salerno, Salerno, Italy

- Study of atmospheric aerosols using remote sensing techniques

01/11/1994 –14/10/1999

Degree in physics cum laude

University of Naples "Federico II", Naples , Italy

- Development of a lidar system in the near IR

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B1	B1	C1	C1	B1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user

Common European Framework of Reference for Languages

Communication skills

- Tutor of undergraduate, PhD and post-doc students
- Invited speaker at conferences
- Media appearances (print, TV, online)
- Project scientific reporting and reporting to general public

Organisational / managerial skills

- Leader of the ACTRIS Aerosol Remote Sensing (ARES) Data Center unit
- Leader of the CAMS21b contract in the frame of the Copernicus Atmospheric Monitoring System (CAMS) (2019-2021)
- Member of the WMO-SDS WAS steering group for the NAMEE node (2014-present)
- Member of WMO-SAG (2021- present)
- Coordinator, WP leader and PI in National and international projects (CAMS21b, SYLVA, Ri-URBANS, ATMO ACCESS, DustClim, ENVRI FAIR, PER-ACTRIS-IT, PRO ICOS MED)
- Supervisor of PhD students and fellowship students
- National Access Provision Coordinator for Italy in ATMO-ACCESS project

Job-related skills

- Aerosol remote sensing
- Lidar techniques
- Observational data analysis
- Integration of multi-platform data
- Database design
- Quality assurance and quality control
- Data FAIRness strategy and approaches
- Tailored products

Computer skills

- Windows, Matlab, Visual basic
- MS Office

ADDITIONAL INFORMATION

Publications

- 59 peer-reviewed papers

Most relevant publications

- Mona, L., and Coauthors, 2023: Observing Mineral Dust in Northern Africa, the Middle East, and Europe: Current Capabilities and Challenges ahead for the Development of Dust Services. *Bull. Amer. Meteor. Soc.*, **104**, E2223–E2264, <https://doi.org/10.1175/BAMS-D-23-0005.1>.
- Mytilinaios, M., Basart, S., Ciamprone, S., Cuesta, J., Dema, C., Di Tomaso, E., Formenti, P., Gkikas, A., Jorba, O., Kahn, R., Pérez García-Pando, C., Trippetta, S., and Mona, L.: Comparison of dust optical depth from multi-sensor products and the MONARCH dust reanalysis over Northern Africa, the Middle East and Europe, *Atmos. Chem. Phys. Discuss.* <https://doi.org/10.5194/acp-2022-655>, in press, 2023.
- De Rosa, B.; Amato, F.; Amodeo, A.; D'Amico, G.; Dema, C.; Falconieri, A.; Giunta, A.; Gumà-Claramunt, P.; Kampouri, A.; Solomos, S.; Mytilinaios, M.; Papagiannopoulos, N.; Summa, D.; Veselovskii, I.; Mona, L. Characterization of Extremely Fresh Biomass Burning Aerosol by Means of Lidar Observations. *Remote Sens.* **14**, 4984. <https://doi.org/10.3390/rs14194984>, 2022.
- Papagiannopoulos, N., D'Amico, G., Gialitaki, A., Ajtai, N., Alados-Arboledas, L., Amodeo, A., Amiridis, V., Baars, H., Balis, D., Binietoglou, I., Comerón, A., Dionisi, D., Falconieri, A., Fréville, P., Kampouri, A., Mattis, I., Mijić, Z., Molero, F., Papayannis, A., Pappalardo, G., Rodríguez-Gómez, A., Solomos, S., and Mona, L.: An EARLINET early warning system for atmospheric aerosol aviation hazards, *Atmos. Chem. Phys.*, **20**, 10775–10789, <https://doi.org/10.5194/acp-20-10775-2020>, 2020.
- Papagiannopoulos, N., Mona, L., Amodeo, A., D'Amico, G., Gumà Claramunt, P., Pappalardo, G., et al.: An automatic observation-based aerosol typing method for EARLINET, *Atmos. Chem. Phys.*, **18**, 15879–15901, <https://doi.org/10.5194/acp-18-15879-2018>, 2018..
- Benedetti, A., Reid, J. S., Knippertz, P., Marsham, J. H., Di Giuseppe, F., Rémy, S., Basart, S., Boucher, O., Brooks, I. M., Menut, L., Mona, L., et al., E.: Status and future of numerical atmospheric aerosol prediction with a focus on data requirements, *Atmos. Chem. Phys.*, **18**, 10615–10643, <https://doi.org/10.5194/acp-18-10615-2018>, 2018.