



## Παραδοτέο Π9.5: Δημοσιεύσεις αερολύματα- νέφη σε διεθνή περιοδικά και συνέδρια (τουλάχιστον 2)

<b>Πακέτο Εργασίας</b>	ΠΕ 9
<b>Νο Παραδοτέου</b>	Π9.5
<b>Επικεφαλής δικαιούχος</b>	ΑΠΘ
<b>Συγγραφείς</b>	
<b>Συμμετέχοντες</b>	
<b>Εσωτερικοί κριτές</b>	
<b>Τύπος Παραδοτέου</b>	Δημοσιεύσεις
<b>Επίπεδο Διάχυσης</b>	PU (δημόσιο)
<b>Εκτιμώμενη ημερομηνία Παράδοσης</b>	Μήνας 49 (30/9/2022)
<b>Πραγματική ημερομηνία Παράδοσης</b>	
<b>Έκδοση</b>	
<b>Σχόλια</b>	

## Δημοσιεύσεις ατμοσφαιρικής ρύπανσης σε διεθνή περιοδικά και συνέδρια

Στο πλαίσιο του Πακέτου Εργασίας 9: “Αλληλεπιδράσεις αερολυμάτων-νεφών” παρατίθενται πίνακες με δημοσιεύσεις σε διεθνή περιοδικά και συνέδρια

### Δημοσιεύσεις σε διεθνή περιοδικά

A/A	Δημοσίευση
1	Voudouri, K.-A., Siomos, N., Michailidis, K., D’Amico, G., Mattis, I., Balis, D.: Consistency of the Single Calculus Chain Optical Products with Archived Measurements from an EARLINET Lidar Station, Remote Sens. 2020, 12, 3969, doi: 10.3390/rs12233969, 2020.
2	Michailidis, K., Koukouli, M.-E., Siomos, N., Balis, D., Tuinder, O., Tilstra, L.-G., Mona, L., Pappalardo, G., and Bortoli, D.: First validation of GOME-2/MetOp Absorbing Aerosol Height using EARLINET lidar observations, Atmos. Chem. Phys., <a href="https://doi.org/10.5194/acp-21-3193-2021">https://doi.org/10.5194/acp-21-3193-2021</a> , 2021.
3	Karagkiozidis D., Friedrich, M. M., Beirle, S., Bais, A., Hendrick, F., Voudouri, K. A., Fountoulakis, I., Karanikolas, A., Tzoumaka, P., Van Roozendael, M., Balis, D., and Wagner, T.: Retrieval of tropospheric aerosol, NO <sub>2</sub> , and HCHO vertical profiles from MAX-DOAS observations over Thessaloniki, Greece: intercomparison and validation of two inversion algorithms, Atmos. Meas. Tech., 15, 1269–1301, <a href="https://doi.org/10.5194/amt-15-1269-2022">https://doi.org/10.5194/amt-15-1269-2022</a> , 2022.
4	Michailidis, K., Koukouli, M.-E., Balis, D., Veefkind, P., de Graaf, M., Mona, L., Papagianopoulos, N., Pappalardo, G., Tsikoudi, I., Amiridis, V., Marinou, E., Gialitaki, A., Mamouri, R.-E., Nisantzi, A., Bortoli, D., João Costa, M., Salgueiro, V., Papayannis, A., Mylonaki, M., Alados-Arboledas, L., Romano, S., Perrone, M. R., and Baars, H.: Validation of the TROPOMI/S5P Aerosol Layer Height using EARLINET lidars, Atmos. Chem. Phys. Discuss. [preprint], <a href="https://doi.org/10.5194/acp-2022-412">https://doi.org/10.5194/acp-2022-412</a> , in review, 2022.

### Δημοσιεύσεις σε διεθνή συνέδρια

A/A	Δημοσίευση
1	Michailidis K., Siomos N., Balis S. D., Koukouli M.E., Voudouri K.A., Olaf T., Tilstra G., Ping W.: Validation of the GOME-2 Absorbing Aerosol Height product using elevated layer top height obtained from Thessaloniki EARLINET station, 29th International Laser Radar Conference (ILRC29), Hefei, China, <a href="http://www.ilrc29.cn/dct/page/1">http://www.ilrc29.cn/dct/page/1</a> , 24-28 June, 2019.
2	Siomos N., Balis D., Bais A., Koukouli M., Garane K., Voudouri K.A., Gkertsis F., Natsis A., Karagkiozidis D., Fountoulakis I.: Towards an Algorithm for near real time profiling of aerosol species, trace gases and clouds based on the synergy of remote sensing instruments, 29th International Laser Radar Conference (ILRC29), Hefei, China, <a href="http://www.ilrc29.cn/dct/page/1">http://www.ilrc29.cn/dct/page/1</a> , June 24-28, 2019.
3	Michailidis, K., Siomos, N., Balis, D., Koukouli, M.-E., Voudouri, K.-A., Olaf, T.,

	Tilstra, G., Mamouri, R.-E., Comerón, A., and Sicard, M.: Investigation of the ability of the GOME2/ Metop satellite instrument to detect elevated aerosol layers and comparison to EARLINET lidar database, European Lidar Conference 2020, 18-20 November, online conference, 2020.
4	Voudouri K.-A., Giannakaki E., Komppula M., Gialitaki A., Tsekeri A., Natsis A. and Balis D.: Monitoring ice crystal clouds: Investigation of the Lidar depolarization reatios, 29th International Laser Radar Conference (ILRC29), Hefei, China, <a href="http://www.ilrc29.cn/dct/page/1">http://www.ilrc29.cn/dct/page/1</a> , June 24-28, 2019.
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6	Voudouri, K.-A, Marinou, E., Giallitaki, A., Kampouri, A., Tsihla, M., Tsikoudi, I., Siomos, N., Amiridis, V., Balis, D., and Meleti, C.: Aerosol Typing in the Eastern Mediterranean during Pre-TECT Campaign over Finokalia, Crete, European Lidar Conference (Web Conference), <a href="https://granadaen.congresoseci.com/elc2020">https://granadaen.congresoseci.com/elc2020</a> , 18-20 November, Granada, 2020.
7	Fountoukidis, P., Biskas, C., Voudouri, K.-A., Siomos, N., and Balis, D.: Long Term Variability of the aerosol intensive properties over Thessaloniki, 15th International Conference on Meteorology, Climatology and Atmospheric Physics, September 26-29, 2021, Ioannina, Greece, <a href="https://www.conferre.gr/allevents/comecap220/">https://www.conferre.gr/allevents/comecap220/</a> , 2021.
8	Koukouli, M.-E., Garane, K., Karagkiozidis, D. et al.: TROPOMI/S5P atmospheric products over Thessaloniki, Greece; overview of validation activities of the Laboratory of Atmospheric Physics, AUTH, 15th International Conference on Meteorology, Climatology and Atmospheric Physics, Ioannina, Greece, 26-29 September, 2021.
9	Michailidis, K., Koukouli, M.-E., Mamouri, R., et al.: The TROPOMI/Sentinel-5P Aerosol Layer Height product: A validation approach using the EARLINET database, European Lidar Conference, 15-18 November, Granada, Spain, 2021.
10	Michailidis ,K., Siomos, N., Voudouri, K.A., Ansmann, A., Chaikovsky, A., and Balis, D.: Retrieval of vertically-resolved aerosol optical and microphysical properties using Thessaloniki lidar measurements during 2019 summer PANACEA, 15th International Conference on Meteorology, Climatology and Atmospheric Physics, Ioannina, Greece, 26-29 September, 2021. campaign
11	Michailidis, K., Siomos, N., Koukouli, M.-E. et al.: Study of the Aerosol Layer Height by the synergistic use of passive satellite observations and EARLINET lidar data: Cases studies around the Mediterranean Basin, 15th International Conference on Meteorology, Climatology and Atmospheric Physics, Ioannina, Greece, 26-29 September, 2021

12	Siomos, N., Fountoulakis, I., Gkertsis, F. et al.: A technique to retrieve vertical concentration profiles of individual aerosol species based on the synergy of lidar and spectrophotometer measurements, 15th International Conference on Meteorology, Climatology and Atmospheric Physics, Ioannina, Greece, 26-29 September, 2021.
13	Voudouri, K.-A, Nicolae, D., Mona, L., D'Amico, G., Amiridis, V., Marinou, E., Gialitaki, A., Kampouri, A., Tsekeri, A., Sicard, M., Rodriguez, A., Romano, S., Perrone, M.-R., Floutsi, A., Shang, X., Bohlmann, S., Papagiannopoulos, N., Siomos, N., Talianu, C., Stachlewska, I., Fortuna, R., Mylonaki, M., and Balis, D.: Aerosol typing over Europe during the COVID-19 campaign: Possible changes in the dominant aerosol types during the lockdown, European Lidar Conference 2021, November 16-18, 2021, Granada, Spain, <a href="https://www.actris.eu/news-events/events/european-lidar-conference-2021">https://www.actris.eu/news-events/events/european-lidar-conference-2021</a> , 2021.
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15	Voudouri, K.-A., Siomos, N., Michailidis, K., Fountoulakis, I., Natsis, A., Karanikolas, A., Garane, K., Bais, A., and Balis, D.: Synergy of remote sensing techniques for aerosol typing over Thessaloniki, 15th International Conference on Meteorology, Climatology and Atmospheric Physics, September 26-29, 2021, Ioannina, Greece, <a href="https://www.conferre.gr/allevents/comecap2020/">https://www.conferre.gr/allevents/comecap2020/</a> , 2021.
16	Michailidis, K., M-E Koukouli, D.S. Balis, M. de Graaf and J.P. Veefkind, Spatial distribution analysis of the TROPOMI Aerosol layer height: A pixel-by-pixel comparison to EARLINET and CALIOP observations, The 30th International Laser Radar Conference (ILRC) virtual conference, <a href="https://meeting-info.org/ilrc-30/">https://meeting-info.org/ilrc-30/</a> , June 26th – July 1st, 2022.
17	Michailidis K., Voudouri K.A, Siomos N and Balis D.: Temporal Variability Of The Aerosol Properties Using A Cimel Sun/Lunar Photometer Over Thessaloniki, Greece : Synergy With The Upgraded THELISYS Lidar System, The 30th International Laser Radar Conference (ILRC) virtual conference, <a href="https://meeting-info.org/ilrc-30/">https://meeting-info.org/ilrc-30/</a> , June 26th – July 1st, 2022.
18	Michailidis, K., M.E. Koukouli, D. Balis, et al.: Satellite Monitoring of the Biomass-burning Aerosols during the Wildfires of August 2021 in Greece, <a href="https://atmos2021.esa.int/">https://atmos2021.esa.int/</a> , ESA Atmospheric Science Conference 2021, on-line, 22-26 November, 2021.
19	Michailidis K., Siomos N., Voudouri K., Garane K., Karanikolas A., Karagkiozidis D., Natsis A., Balis D., Vertical separation and profiling of individual aerosol species based on remote sensing instruments and look up tables of preset aerosol mixtures, 11th International Aerosol Conference (IAC), Athens, Greece, 4-9 September, 2022
20	Voudouri, K. A., K. Michailidis, N. Siomos, A. Chatzopoulou, G. Kouvarakis,

	N. Mihalopoulos and D. Balis, Aerosol typing from remote sensing techniques and in situ data: Overview of the two PANACEA campaigns over Thessaloniki, Greece, Proceedings of the 11th International Aerosol Conference, 4-9 September, 2022, Athens, Greece, <a href="https://iac2022.gr/">https://iac2022.gr/</a> .
21	Voudouri, K. A. , N. Siomos, K. Michailidis, M.E. Koukouli, G. Peletidou and D. Balis: Investigating the geometrical and optical properties of the persistent stratospheric aerosol layer observed over Thessaloniki, Greece during 2019, Proceedings of the International Laser Radar Conference, (ILRC 30), Big Sky Conference Center, Montana, USA on June 26th – July 1st, 2022.
22	Voudouri, K. A. , P. Fountoukidis, N. Siomos, C. Dema, D. Balis and G. D’Amico: Sensitivity Study on the Performance of the Single Calculus Chain Aerosol Layering Module, Proceedings of the International Laser Radar Conference, (ILRC 30), Big Sky Conference Center, Montana, USA on June 26th – July 1st, 2022.
23	Voudouri, K. A., D. Nicolae, L. Mona, G. D’Amico, N. Papagiannopoulos, E. Marinou, A. Kampouri, J. Vasilescu, C. Talianu, I. Stachlewska, R. Fortuna, M. Sicard, A. Rodriguez, S. Romano, M. R. Perrone, A. Floutsi, X. Shang, S. Bohlmann, N. Siomos, A. Gialitaki, A. Tsekeri, D. Balis and V. Amiridis: REGIONAL CHANGES IN THE DOMINANT AEROSOL TYPE OVER EUROPE DURING THE ACTRIS COVID-19 CAMPAIGN, Proceedings of the International Laser Radar Conference, (ILRC 30), Big Sky Conference Center, Montana, USA on June 26th – July 1st, 2022.
24	Voudouri, K. A., Nikolaos Siomos, Georgia Peletidou, Konstantinos Michailidis, Anna Gialitaki, Athanasios Natsis, Maria E. Koukouli, Alkiviadis Bais, Dimitrios Balis: Investigating the Radiative Effects of a Persistent Stratospheric Aerosol Layer Observed over Thessaloniki, Greece, during 2019, Proceedings of the INTERNATIONAL RADIATION SYMPOSIUM 2022, Thessaloniki, Greece, 4-8 July 2022. <a href="https://www.irs2022.org/">https://www.irs2022.org/</a> .