

# **CURRICULUM VITAE**

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## CURRICULUM VITAE

**Dr. Evangelos Gerasopoulos**

*Research Director*

Institute for Environmental Research  
and Sustainable Development

*Director*

Greek GEO Office

**National Observatory of Athens**



### Bio synopsis

Dr. Evangelos Gerasopoulos currently serves as a Research Director at the Institute for Environmental Research and Sustainable Development (IERSD) of the National Observatory of Athens (NOA). Born in Thessaloniki, Greece, in 1974, he studied Physics at the Aristotle University of Thessaloniki (1996) and received his PhD in the field of Atmospheric Physics and Dynamics (2003), from the same department. He worked as Post Doctoral fellow at the Max Planck Institute (Biogeochemistry Department, Mainz, Germany) and the Environmental Chemical Processes Lab (Chemistry Department, University of Crete), before his recruitment at NOA, initially as Senior Researcher (2006).

During his career, he has targeted his research towards studying physical and chemical processes in the atmosphere, being active in the fields of atmospheric composition and air quality research, Earth system processes and climate, climate change and relevant synergistic interactions, environment and health, Earth observation, urban sustainability. At NOA, he is leading the [Atmospheric Physics and Chemistry Group](#) of IERSD and he serves as the Director of the [Greek GEO Office](#) (since 2014), the focal point of Earth observation activities in Greece. As such, he acts as Head Delegate of Greece in the relevant international bodies in the field of Earth observation, i.e. the Intergovernmental Group on Earth Observations - GEO (since 2015, in 2021 he was elected as Executive Committee member and co-chair of GEO Programme Board), the EuroGEO High Level Working Group and the Coordination Group (EC, since 2017), contributing to the strategic design of these organizations. In Greece, he is member of the Special Scientific Committee on Climate Change of the Ministry of Environment and Energy (since 2020) and in the past he has served as member of the Sectorial Scientific Council for the Environment and Energy of the National Council for Research and Technology (2014 - 2016). He is also member of the Scientific Committee of the PANGAEA - Panhellenic Geophysical Observatory of Antikythera, among other positions. Since 2020 he is co-leading, together with UNESCO's World Heritage Center, the international Pilot Initiative "Urban Heritage Observatory (UHCO)" within the frame of the GEO Work Programme and he has been leading GEO's global endeavor to establish "Resilient Cities and Human Settlements" as its fourth Engagement Priority. In his research career, he has published 120 publications in peer reviewed journals and more than 160 in conferences (4304 citations, h-index-40). He has participated in/coordinated 44 European and national projects, attracting 9.5 M€ to IERSD/NOA, whereas the co-ordination of the 10 M€ H2020 smart city project "SMURBS/ERA-PLANET" is considered a significant milestone in his research career.

## A. General Information

### A1. Personal

Birth date:	April 11, 1974
Birth place:	Thessaloniki, Greece
Work address:	Institute for Environmental Research and Sustainable Development, National Observatory of Athens, I. Metaxa & V. Pavlou, P. Penteli (Lofos Koufou), 15236 Athens, Greece  tel: +30 210 8109124 fax: +30 210 8103236
E-mail:	<a href="mailto:egera@noa.gr">egera@noa.gr</a>
Web-site:	<a href="http://apcg.meteo.noa.gr/">http://apcg.meteo.noa.gr/</a>
Marital status:	Married, 3 children

## A2. Education

1999 – 2003	<b>Ph.D. in Physics</b> , Aristotle University of Thessaloniki, Department of Physics, Greece
1996 – 1998	<b>M.Sc. in Atmospheric Physics</b> , Aristotle University of Thessaloniki, Greece (9.44/10)
1992 – 1996	<b>Degree in Physics</b> , Aristotle University of Thessaloniki, Greece (8.70/10)
<i>Languages</i>	Greek (native) English (proficiency) German, French (basic)

## A3. Professional Occupation

2011 –	Research Director at the <b>Institute of Environmental Research and Sustainable Development, National Observatory of Athens</b> , in the field of " <i>Physics of the Atmospheric Environment</i> "
2006 – 2011	Senior Researcher at the <b>Institute of Environmental Research and Sustainable Development, National Observatory of Athens</b> , in the field of " <i>Physics of the Atmospheric Environment</i> "
2004 – 2006	Research fellow (post doctorate) in the field of " <i>Tropospheric Ozone - Optical Properties of Atmospheric Aerosols</i> " at the <b>Environmental Chemical Processes Laboratory, Chemistry Department, University of Crete</b> , Heraklion, Greece
2003 – 2004	Military Service (Ordnance Corps)
2001 – 2002	Research fellow in the field of " <i>Optical Properties of Atmospheric Aerosols</i> " at <b>Max-Planck Institute, Biogeochemistry Department</b> , Mainz, Germany.
1996 – 2001	Research fellow (PhD student) in the field of " <i>Atmospheric Physics</i> " at the <b>Laboratory of Atmospheric Physics</b> , and in the field of " <i>Environmental Radioactivity</i> " at the <b>Nuclear Physics Laboratory, Physics Department, Aristotle University of Thessaloniki</b> .

#### **A4. Positions of Responsibility, Management and Strategic Design**

1. Co-chair of the **Resilient Cities and Human Settlement Working Group of the intergovernmental Group on Earth Observations (RCHS-WG/GEO)** (Nov 2021 – present)
2. Co-Chair of the **[Programme Board](#)** of the intergovernmental Group on Earth Observations (**GEO/UN\***) (Jul 2021– present)
3. Member of the **[Coordination Unit](#)**, UN Flexible Mechanism (GR, UNESCO, UNFCCC, WMO) on “**Climate Change Impacts on Cultural and Natural Heritage**”, Greek Government (PM Office) (Jan 2021– present)
4. Alternate National Head Delegate of the **Executive Committee of the intergovernmental Group on Earth Observations (GEO/UN\*)** (Jan 2021– present)
5. Member of the **Steering Committee for the “Earth Observation Toolkit for Sustainable Cities and Communities”** of EO4SDG/NASA (Aug 2020 – Feb 2022)
6. Co-lead of the “**[Urban Heritage Climate Observatory - UHCO](#)**” **GEO Pilot Initiative**, in collaboration with UNESCO’s World Heritage Center, as part of the the GEO WP (Jul 2020 – present)
7. Member of the **[Climate Change Working Group of the Group on Earth Observation](#)** (**CC-WG/GEO**) (Jun 2020 – present)
8. Co-chair of the **Urban Resilience Subgroup of the Group on Earth Observation Programme Board (URSG/GEO)** (Jan 2020 – Nov 2021)
9. Member of the **Special Scientific Committee on Climate Change**, Ministry of Environment and Energy (Jan 2020 – present)
10. Member of the **Scientific Committee of the Panhellenic Geophysical Observatory of Antikythera (PANGEA)**, National Observatory of Athens/European Investment Bank (2020 – present)
11. Member of the **EuroGEOSS Coordination Group (DG-RTD/EC)** (2017 – present)
12. Member of the **Board of the Hellenic Quality Assurance & Accreditation Agency (HQA)** (2017 – 2019)
13. Member of the **[Programme Board](#)** of the intergovernmental Group on Earth Observations (**GEO/UN**) (2015 – present)
14. Member of the **Sectorial Scientific Council for the Environment and Energy** of the National Council for Research and Technology, Ministry of Education and Religious Affairs (2014 – 2016)
15. **Director of the [Greek GEO Office](#)** (2014 – present)
16. President of the **Scientific Advisory Board of the Institute for Environmental Research and Sustainable Development (IERSD/NOA)** (2014 – 2016)
17. Head of the **Secretariat and Public Relations Office of the Institute for Environmental Research and Sustainable Development (IERSD/NOA)** (2013 – 2014)
18. President of the **National Observatory of Athens Researchers Association** (2013 – 2016)
19. Vice-president of the **Scientific Advisory Board of the Institute for Environmental Research and Sustainable Development** (2012 – 2014)
20. Initiator of of IERSD/NOA participation in the **European Research Infrastructure Network ACTRIS** (Aerosols, Clouds, and Trace gases Research InfraStructure Network) (2012)
21. Editor in **Atmospheric Chemistry and Physics (ACP)**, EGU-Copernicus Pubs (IF 5-year: 5.6) (2011 – 2022)

22. Member of the [Steering Committee](#) of **Navarino Environmental Observatory (NEO)** at Costa Navarino, Messinia-Greece, a collaboration between the Stockholm University, the Atmospheric Environment Division of the Biomedical Research Foundation of the Academy of Athens and T.E.MES A.S. (2010 - present)
23. Head and Quality Assurance Manager of the **Laboratory of Atmospheric Chemistry (Institute for Environmental Research and Sustainable Development, National Observatory of Athens)**, accredited by the Hellenic Accreditation System S.A. for air quality measurements and chemical analyses since March 2010, according to ELOT EN ISO/IEC 17025 (2007 - 2017)

\*GEO has an autonomous, intergovernmental governance structure and it administratively belongs to the World Meteorological Organization of UN.

#### A5. Scholarships – Distinctions – Awards

<i>Period</i>	<i>Organization</i>	<i>Scholarship – Distinction – Award</i>
<b>2008</b>	Dion Municipality	Award of Eminent Citizen of Dion Municipality for his contribution on the environmental activities of the municipality
<b>2005-2006</b>	GSSF	Scholarship for post-doctoral research from the Greek State Scholarship Foundation
<b>1999-2002</b>	GSSF	First award in Radiation Physics (financial support) from the 32nd Program of the Greek State Scholarship Foundation
<b>1999</b>	Bodosakis Foundation	Scholarship for post-doctoral research by the Bodosakis Foundation 1998-1999 (*)
<b>1997</b>	GSSF	Scholarship for the first year of M.Sc. from the Greek State Scholarship Foundation
<b>1994 – 1995</b>	AUTH Endowment Service	N. Avramides Endowment, Legacy Department, Property and Commissions Section, Aristotle University of Thessaloniki
<b>1993 – 1996</b>	GSSF	Scholarship for the first three years of undergraduate studies from the Greek State Scholarship Foundation

(\*) Not used due to parallel success in GSSF

## B. Research – Educational Activities

### B1. Research Fields of Interest – Activity Areas

1. **Aerosol research:** physical, optical and chemical properties, source apportionment, transport dynamics/processes and meteorology/radiation interactions, investigation of their climatic role and impacts on health and ecosystems, radioactivity
2. **Air quality:** atmospheric gases and trace gases' observation in the atmosphere, source-sinks/ photochemistry/transport/meteorology, stratosphere-to-troposphere exchange
3. **Climate change:** mitigation and adaptation, climate neutrality and resilience, impacts on cultural and natural heritage
4. **Earth Observation (EO):** exploitation of EO for informed decision making and societal impact, innovative observational platforms (i.e. UAVs, low cost sensors, crowdsourcing, IoT), applications in smart/official statistics
5. **Urban sustainability:** EO-based smart city applications, urban resilience, sustainable development goals, reciprocal relation of air quality with urban greening/nature based solutions/biodiversity/ wellbeing, citizen science

### B2. Experience in Core Research Development and Coordination

1. **Establishment, coordination, operation and sustainability of research stations:** Leading or prime involvement in the development of: PANGEA's in situ component at Antikythera (2020-current), NOA's urban super-site for atmospheric composition at Thessio-Athens (2013-current), NOA's urban background site for atmospheric composition at Penteli Mt.-Athens (2008-2013), NEO's Atmospheric Station at Methoni (SW Peloponnese, 2010-current), "Finokalia" ACTRIS site at Lasithi/Crete (2005-2006), radioactivity and ozone monitoring site at the mountainous location Livadi (850 m a.s.l), Thessaloniki – data submission responsible for (GR03) at the Norwegian Institute for Air Research (NILU) / European Air Pollution Monitoring Network (EMEP) (2000-2002).
2. **Direct experience in the use of instrumentation and relevant data analysis:** Trace gases monitoring and in-situ measurement of aerosol properties for the study of their physical and chemical properties, passive remote sensing measurements of atmospheric parameters.
3. **Implementation of national/international experimental field campaigns:** Leading or prime involvement in the coordination/implementation of experimental field campaigns e.g. PANACEA campaign series (2018-2021), THALES campaign series (2012-2015), ISPEX Europe-wide citizen science campaign (2015), CHARADME campaign - Characterization of Aerosol mixtures of Dust And Marine origin (2014), ARGON campaign -Aerosol and TRace Gases Observational Campaign at NEO (2012), ACEMED-Evaluation of CALIPSO's aerosol classification scheme over Eastern Mediterranean-airborne EUFAR campaign (2011), International Experiment "March 2006 total solar eclipse"/ ACP Special Issue coordinator – 11 papers, overview paper first author ([http://www.atmos-chem-phys.net/special\\_issue87.html](http://www.atmos-chem-phys.net/special_issue87.html)) (2006).
4. **Establishment and coordination of NOA's Laboratory of Atmospheric Chemistry:** Accredited by the Hellenic Accreditation System S.A. for air quality measurements and chemical analyses since March 2010, according to ELOT EN ISO/IEC 17025 (2007 - 2017).
5. **Development of group's modeling capacities:** Strategic coordination and resources assurance of APCG's modeling component which utilizes Earth System Modeling (i.e. EC Earth),



Regional Modeling (e.g. COSMO-ART, WRF-Chem, CAMx) and City-Scale Modeling (i.e. EPISODE CityChem), as well as other modeling tools.

6. **Creation of synergies between different observational and modeling capacities:** Wide experience in the combined use of different observational platforms (e.g. in situ, ground-based active and passive remote sensing, satellites, smart sensors) with modeling and crowdsourcing (citizen science).
7. **Other relevant skills:** Strong background in advanced techniques and methods of statistical analysis with emphasis on time series analyses.

### B3. Research Projects – Role – Funding Attraction

	<b>Project title</b>	<b>Funding source</b>	<b>Duration</b>	<b>Role/budget</b>
1	A multi-disciplinary global approach of groundwater flows in karstic areas and its consequences for water resources and environmental studies. CHRX-CT94-0567	Commission of the European Communities (Human Capital and Mobility)	1995-1997	Researcher
2	Assessment of capacity of soil gas radon in various fault zones for prediction of earthquake occurrence. IC15-CT96-0214	Commission of the European Communities	1998-2001	Researcher
3	<b>STACCATO</b> - Influence of <u>S</u> tratosphere- <u>T</u> roposphere Exchange in a <u>C</u> hanging <u>C</u> limate on <u>A</u> tmospheric <u>T</u> ransport and <u>O</u> xidation Capacity. EVK2-1999-00316	Commission of the European Communities	2000-2001	Researcher
4	<b>CRYOPLANE</b> - Liquid hydrogen fuelled aircraft - system analysis	European Commission – Research Directorate – General	2000-2002	Researcher
5	<b>EARLINET</b> - European aerosol research lidar network to establish an aerosol climatology	European Commission – Research Directorate – General	2002	Researcher
6	<b>PHOENICS</b> - Particles of human origin extinguishing natural solar irradiance in climate Systems	European Commission	2002-2004	Researcher

7	<b>CREATE</b> - Construction, use and delivery of a European Aerosol Database	European Commission	2004-2005	Researcher
8	Characterization of the physical and chemical parameters that control the climatic role of aerosols in the atmosphere over Eastern Mediterranean	EC and National Resources cofund, PYTHAGORAS I - EPAEK II	2004-	Principal Post-doc Researcher
9	Use of 3-D models for the study of the relative contribution of natural variability and anthropogenic factors on the levels and climatic role of aerosols and ozone in the E. Mediterranean	EC and National Resources cofund, PYTHAGORAS I - EPAEK II	2006	Researcher
10	<b>CIRCE</b> - Climate Change and Impact Research: the Mediterranean Environment	FP6 PRIORITY 1.1.6.3, Global Change And Ecosystem	2007-2012	Researcher
11	<b>ACL/NOA</b> - Upgrade of the Atmospheric Chemistry Laboratory of the National Observatory of Athens for the provision of chemical analyses and air pollutants measurement services, with emphasis on hazardous for public health chemical compounds (I)	3rd Community Support Framework, Operational Programme "Competitiveness" , Greek Ministry of Development	2007-2011	<b>Coordinator</b> <b>IERSD/NOA budget 312.9 k€</b>
12	<b>CITYZEN</b> - megaCITY - Zoom for the ENvironment	FP7 - Collaborative Project, Small or medium-scale focused research project, ENV.2007.1.1.2.1. Megacities and regional hot-spots air quality and climate	2009-2011	<b>Principal Investigator for NOA,</b> <b>IERSD/NOA budget 100 k€</b>
13	<b>AMFIC</b> - Air Quality Monitoring and Forecasting in China	Space FP6 EU	2006-2009	Researcher
14	Intelligent urban mobility management and traffic control system for the	Funding Mechanism, European		Researcher

	improvement of the urban environment quality in the central area of Thessaloniki's agglomeration	Economic Area (FM-EEA) Grants, 2004-2009		
15	<b>THERMOPOLIS 2009</b> - Urban Heat islands (UHI) and Urban Thermography (UT)	European Space Agency	2009-2010	Researcher
16	<b>XENIOS</b> - Climate change impacts on the touristic development of sensitive areas in the Greek territory. Case study: Messinia – Integrated Tourism Development Areas	Co-operation, Strategic Reference Framework (NSRF) 2007-2013, Hellenic Ministry of Economy, Competitiveness and Shipping	2011-2013	<b>Principal Investigator for NOA, IERSD/NOA budget 183.6 k€</b>
17	<b>GNSE</b> - Greek Network of Solar Energy	Co-operation, Strategic Reference Framework (NSRF) 2007-2013, Hellenic Ministry of Economy, Competitiveness and Shipping	2011-2013	Researcher
18	Investigation of relations between chemical and optical properties of aerosols in the Greater Athens area	OP "Education and longlife learning Heraclitus II" , Ministry of Education, Longlife Learning and Religious Affairs	2009-2013	Co-supervisor of the PhD
19	Study of tropospheric aerosols using in-situ and satellite techniques, measurements and statistical analyses	OP "Education and longlife learning Heraclitus II" , Ministry of Education, Longlife Learning and Religious Affairs	2009-2013	Researcher
20	<b>NEO</b> - Navarino Environmental Observatory	Private funds (TEMES S.A.)	2010-2014	Member of Steering Committee, Principal Investigator for the atmospheric station
21	<b>ACEMED</b> - Evaluation of CALIPSO's aerosol classification scheme over Eastern Mediterranean	Transnational Access Project, European Fleet for	2011-2012	Researcher

		Airborne Research (EUFAR)		
22	<b>LIVAS</b> - Lidar Climatology of Vertical Aerosol Structure for Space-Based Lidar Simulation Studies	European Space Agency	2011-2013	Researcher
23	<b>ACTRIS</b> - Aerosol, Clouds, and Trace gases Research Infrastructure Network	European Commission	2011–2016	Researcher, contact person for IERSD/NOA
24	Determination of the sources and the physico-chemical properties of fine and ultrafine particles that affect the regional climate of Greece	OP "Thales", Ministry of Education, Longlife Learning and Religious Affairs	2012-2015	Researcher
25	<b>ACL/NOA II</b> - Upgrade of the Atmospheric Chemistry Laboratory of the National Observatory of Athens for the provision of chemical analyses and air pollutants measurement services, with emphasis on hazardous for public health chemical compounds (II)	GSRT	2012-2013	<b>Coordinator</b> <b>IERSD/NOA budget 58 k€</b>
26	<b>THESPIA</b> - Development of synergistic and integrated methodologies and tools for the observation, managements and forecast of environmental parameters and pressures	KRIPIS: National Strategic Reference Framework NSRF 2007 - 2013, GSRT	2013–2015	WP leader, Researcher
27	<b>BEYOND</b> - Building Capacity for a Centre of Excellence for EO-based monitoring of Natural Disasters	RegPot, European Commission	2013–2016	Researcher
28	Establishment of hydrometeorological in-situ sites at Hydroelectric Stations of the Hellenic Public Power Corporation	Hellenic Public Power Corporation	2014-2015	<b>Principal Investigator for NOA,</b> <b>IERSD/NOA budget 20 k€</b>
29	Implementation of measurements and analyses of environmental indices for "atmospheric quality" along	Egnatia S.A.	2015-2016	<b>Coordinator</b> <b>Total budget 85 k€</b>

	the Egnatia Highway (N. Greece)			<b>IERSD/NOA budget 57.3 k€</b>
30	<b>ACTRIS II</b> - Aerosols, Clouds, and Trace gases Research InfraStructure Network	Horizon 2020	2015-2018	Researcher
31	<b>GEO-CRADLE</b> - Coordinating and integRating state-of-the-art Earth Observation Activities in the regions of North Africa, Middle East, and Balkans and Developing Links with GEO related initiatives towards GEOSS	Horizon 2020	2016-2018	Researcher, WP leader, Liaison Head Officer
32	<b>SMURBS</b> - SMart URBan Solutions for air quality, disasters and city growth	Horizon 2020 ERA-NET cofund	2017-2021	<b>Coordinator</b>  <b>Total budget 8.25 M€</b> <b>IERSD/NOA budget 1.8 M€</b>
33	<b>IGOSP</b> - Integrated Global Observing Systems for Persistent Pollutants	Horizon 2020 ERA-NET cofund	2017-2021	<b>Principal Investigator for NOA</b>  <b>Total budget 9 M€</b> <b>IERSD/NOA budget 171 k€</b>
34	<b>PIRAEUS AQ</b> - Specialized measurements of atmospheric pollution in the extended area of Piraeus (with emphasis on the port area) – qualitative and quantitative sources apportionment	Programme Contract by Region of Attica	2017-2019	<b>Coordinator</b>  <b>IERSD/NOA budget 89 k€</b>
35	<b>EMMISION</b> - Environmental monitoring integrated system using an IoT network	NSRF Research-Create-Innovate 2014-2020	2018-2020	<b>Principal Investigator for NOA</b>  <b>Total budget 820 k€, IERSD/NOA budget 241 k€</b>
36	<b>PANACEA</b> - Panhellenic infrastructure for atmospheric composition and climate change	NSRF	2018-2021	<b>Principal Investigator for NOA</b>  <b>Total budget 4 M€,</b>

		Research-Create-Innovate 2014-2020		<b>IERSD/NOA budget 580 k€</b>
37	<b>e-shape</b> - EuroGEO Showcases: Applications Powered by Europe	Horizon 2020	2019-2023	<b>Principal Investigator for IERSD</b> <b>Total budget 15 M€, NOA budget 1.7 M€</b> <b>IERSD/NOA budget 291 k€</b>
38	<b>PANGEA</b> - PANhellenic GEophysical observatory of Antikythera	European Investment Bank (EIB)	2020-2025	<b>Principal Investigator for the in situ component (APCG)</b> <b>Total NOA budget 22 M€, IERSD/NOA budget 4 M€</b>
39	<b>EIFFEL</b> - Revealing the Role of GEOSS as the Default Digital Portal for Building Climate Change Adaptation & Mitigation Applications	Horizon 2020	2021-2024	<b>Principal Investigator for NOA</b> <b>Total budget 5 M€, NOA budget 593 k€</b> <b>IERSD/NOA budget 392 k€</b>
40	<b>RI-URBANS</b> - Research Infrastructures Services Reinforcing Air Quality Monitoring Capacities in European Urban & Industrial Areas	Horizon 2020	2021-2025	<b>Co-Principal Investigator for NOA</b> <b>Total budget 8.45 M€, IERSD/NOA budget 355 k€</b>
41	<b>GAUSS</b> - Generating Advanced Usage of Earth Observation for Smart Statistics	European Space Agency	2021-2023	<b>Coordinator</b> <b>Total budget 400 k€, IERSD/NOA budget 120 k€</b>
42	<b>InCASE</b> - In Situ data for Climate Adaptation Showcases within EuroGEO	European Environmental Agency, Service Level Agreement	2021-2025	<b>Principal Investigator for NOA</b> <b>Total budget 750 k€, IERSD/NOA budget 250 k€</b>
43	<b>CiROCCO</b> - Enhancing the In-situ Environmental Observations across Under-sampled Deserts	Horizon Europe	2022-2025	<b>Principal Investigator for NOA</b> <b>Total budget 3.65 M€, NOA budget 482 k€</b>

				<b>IERSD/NOA budget 362 k€</b>
44	<b>Urban ReLeaf</b> - Citizen-powered data ecosystems for inclusive and green urban transitions	Horizon Europe	2022-2026	<b>Principal Investigator for NOA</b>  <b>Total budget 5 M€, IERSD/NOA budget 315 k€</b>

<b>Total budget attracted at NOA</b>	<b>9.5 M€</b>
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#### **B4. Contribution to Conferences' Organization**

1. EuroGEO Workshop 2022, organized by the European Commission and the Greek GEO Office, **4-9 December 2022 Athens, Greece (head of the local organizing committee)**
2. 11<sup>th</sup> International Aerosol Conference (IAC 2022), **4-9 September 2022, Athens, Greece (member of the local organizing committee)**
3. 15<sup>th</sup> International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP), **Ioannina, Greece, 26-29 September 2021 (member of the scientific committee)**
4. 10<sup>th</sup> GEO European Projects Workshop, (GEPW-10), GEO-CRADLE's session "Regional dimension for GEO and capacity building priorities", **Berlin, Germany, June 2016 (session co-organizer)**
5. Mediterranean Climate Variability MEDCLIVAR 2016 Conference: Learning from the past, perceiving the present, engaging for the future, **Athens, 26-30 September 2016 (member of the organizing, scientific and programe committees)**
6. 8<sup>th</sup> GEO European Projects Workshop (GEPW-8), **Athens 2014 (co-organizer as Greek GEO Office Director, session chairman)**
7. Mediterranean City 2014 "Adaptation Strategies to Global Environmental Change in the Mediterranean City and the Role of Global Earth Observations", under the auspices of the Greek EU Presidency and GEO, **Athens, 10-11 June 2014 (member of the organizing and scientific committees, session chairman)**
8. 12<sup>th</sup> International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP), Heraklion, Greece, **28-31 May 2014 (member of the scientific committee, session chairman)**
9. 2nd South- Eastern Europe GEO Workshop "Integrating Earth Observation Data and Services for monitoring the Environment, protecting the citizens and stimulating the regional economic growth", **Athens 31 March - 1 April 2014 (co-organizer as Greek GEO Office Director, session chairman)**
10. 11<sup>th</sup> International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP), **Athens, Greece, 29 May – 1 Jun 2012 (member of the scientific committee, session chairman)**
11. 10<sup>th</sup> International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP), **Patras, Greece, 25-28 May 2010 (member of the scientific committee, session chairman)**

12. Colloquium “Perspective of Greek Scientists in Polar Research”, in co-operation with the Maria Tsakos International Centre for Maritime Research and Tradition and the European Polar Bod/European Science Foundation (EPB/ESF), **Athens, 24 November 2009 (head of the local organizing committee).**

## **B5. Long-term, Strategic Co-operations**

The list is not exhaustive and does not refer to short term partnerships within the frame of projects, rather to strategic collaborations in the frame of common scientific interest, research development and students exchange (in parenthesis the main domains of collaboration).

### International

1. National Aeronautics and Space Administration (NASA), Earth Science Division, Washington, USA (Earth observation, sustainable development goals)
2. Helmholtz-Zentrum (Geesthacht) Hereon (HZG), Institute for Coastal Research, Hamburg, Germany (chemistry transport modeling)
3. University of Bremen, Institute of Environmental Physics and Remote Sensing, Bremen, Germany (remote sensing of trace gases)
4. World Radiation Center, Physics and Meteorology Observations (PMOD/WRC), Davos, Switzerland (solar energy)
5. World Heritage Center (WHC), UNESCO, Paris, France (climate change, cultural heritage)
6. Justus-Liebig-Universitaet Giessen, Department of Geography Climatology, Climate Dynamics and Climate Change, Giesse, Germany (climate change)
7. National Research Institute of Italy (CNR), Institute of Atmospheric Pollution Research – IIA, Italy (Earth observation, air quality)
8. National Research Institute of Italy (CNR), Institute of Atmospheric Sciences and Climate (ISAC), Italy (climate change, cultural heritage)
9. Cyprus Institute, Atmospheric and Climate Modeling Group, Nikosia, Cyprus (unmanned aerial vehicles)
10. German Aerospace Center (DLR), German Remote Sensing Data Center, Atmosphere, Munich, Germany (Earth observation, satellite data)
11. Scripps Institution of Oceanography, University of California San Diego, USA (environmental health)
12. Max Planck Institute, Biogeochemistry Dept., Mainz, Germany (aerosol science)
13. Stockholm University, Dept. of Applied Environmental Science, Stockholm, Sweden (aerosol science, sustainable development)
14. Bert Bolin Centre for Climate Research, Stockholm, Sweden (climate change, sustainable development)
15. Josef Stefan Insitute (JSI), Ljubljana, Slovenia (citizen science)
16. Research Centre for Toxic Compounds in the Environment (RECETOX), Masaryk University, Czech Republic (environmental health)
17. University of Geneva (UNIGE), Institute for Environmental Sciences, Geneva, Switzerland (Earth observation, sustainable development goals )
18. Georgia Institute for Technology, Atlanta-Georgia, USA (aerosol science and instrumentation)



## In Greece

19. Academy of Athens, Research Centre for Atmospheric Physics and Climatology, Athens, Greece (climate change)
20. National Technical University of Athens, Institute of Communication and Computer Systems (ICCS/NTUA), Athens, Greece (artificial intelligence, big data)
21. University of Crete, Dept. of Chemistry, Environmental Chemical Processes Laboratory, Heraklion, Greece (atmospheric chemistry)
22. Aristotle University of Thessaloniki, Dept. of Physics, Laboratory of Atmospheric Physics, Thessaloniki, Greece (remote sensing applications, regional modeling)
23. University of Patras, Dept. of Physics, Laboratory of Atmospheric Physics, Patras, Greece (air quality)
24. Demokritos, Environmental Radioactivity Laboratory (ERL), Athens, Greece (aerosol science)
25. Athens University of Economics and Business, Department of International & European Economic Studies (climate economics, sustainable development goals)
26. University of the Peloponnese, Dept. of History, Archaeology and Cultural Resources Management, Kalamata, Greece (cultural heritage)
27. University of Athens, Dept. of Geology and Geoenvironment, Laboratory of Climatology & Atmospheric Environment, Athens, Greece (biometeorology, environmental health)
28. University of Ioannina, Physics Dept., Laboratory of Meteorology, Ioannina, Greece (air quality)
29. University of West Attica, Department of Electrical and Electronic Engineering, Electronic Devices and Materials Research Laboratory, Athens, Greece (low cost sensors)
30. Foundation for Research and Technology-Hellas (FORTH), Institute of Chemical Engineering Sciences (ICE-HT), Patras, Greece (aerosol science)

## **B6. Teaching Experience – Seminars**

1. 2021-present: MSc in “Protection of Cultural Heritage and Monuments of Nature from the Effects of Climate Change”, Hellenic Open University (HOU), responsible for subject “Telematics and metrics”.
2. 16th Recetox Summer School and SMURBS Training School, Recetox, Masaryk University, 15-19 June 2020
3. 2018: Seminar on “Exploitation of Earth Observation and Novel Observational Platforms for Smart City Applications”, Physics Department, National and Kapodistrian University of Athens, 24 May 2018.
4. 2015-present: MSc in “Cultural Heritage Materials and Technologies”, coordination and teaching of the course "Environmental and Remote Studies for Cultural Heritage", teaching in courses "Field Prospection and Computing Technologies for Cultural Heritage", and "Computing Practices: GIS, Statistical Analysis and Computing Aided Applications", (<http://culttech.uop.gr/>).
5. 2015-2018: MSc in “Space Science Technologies and Applications”, coordination and teaching of the course "Earth System Science", teaching in course "Space Applications", (<http://space.uop.gr/>).
6. 2012: Seminar on "Eastern Mediterranean: Natural lab for gas and particulate pollution studies special features and impacts on regional climate" within the frame of MSC in Environmental Physics, Department of Physics National Kapodistrian University of Athens.

7. 2007: Seminar on "Climatic Impacts of Aerosols and GHGs" within the seminar series entitled "Evaluation and Adaptation Strategies for Natural Disasters" organized by the National Centre for Public Administration and Local Government and the UNESCO Chair for Natural Disasters.
8. 2006-2007: Teaching within the frame of the course entitled "Basics in Atmospheric Physics", Department of Geology and Geoenvironment, National Kapodistrian University of Athens.
9. 2004-2005: Contribution in lectures on "Special Chapters of Atmospheric Chemistry", Environmental Chemistry Post Graduate Programme, Chemistry Department, University of Crete.
10. 1999-2003: Teaching and laboratory exercises within the frame of the Atomic and Nuclear Physics Laboratory, Physics Department, Aristotle University of Thessaloniki.

## **B7. PhD, MSc Supervising Committees**

Member of Supervising Committees of PhD Theses:

1. Marina Nastou, *Protecting cultural heritage from the impacts of climate change*, Hellenic Open University, School of Applied Arts, (Prof. S. Zerefos, Prof. Loukaki Argyro, Dr. E. Gerasopoulos), 2020-present.
2. Anastasia Kakouri, *Synergy of Earth observations and geoinformatic tools to meet the need for decision-making at urban and intra-urban scales, in the field of atmospheric pollution and population exposure*, University of the Aegean, Department of Environment (Dr. E. Gerasopoulos, Prof. C. Matsoukas, Prof. I. Spilanis), 2020-present.
3. Lida Dimitriadou, *Biometeorological perspectives and environmental impacts on cardiorespiratory mortality over Europe. Present and future trends*, National Kapodistrian University of Athens, Geology Department (Prof. P. Nastos, Dr. E. Gerasopoulos, Prof. G. Chroussos), 2018-2022.
4. Orestis Speyer, *Study and assessment of vertical velocity impacts on aerosol-cloud interaction*, University of Crete, Chemistry Department (Prof. M. Kanakidou, Prof. A. Nenes, Dr. E. Gerasopoulos), 2016-present.
5. Myrto Gratsea, *Remote sensing techniques for the assessment of time and spatial distribution of Athens' urban pollution*, University of Crete, Chemistry Department (Dr. E. Gerasopoulos, Prof. N. Mihalopoulos, Dr. S. Kazadzis), 2014-2021.
6. Panagiotis Raptis, *Methodologies on characterizing optical properties of Aerosols and Trace Gases, using spectral measurements of Solar Irradiance*, National Kapodistrian University of Athens, Physics Department (Prof. K. Chelms, Dr. S. Kazadzis, Dr. E. Gerasopoulos), 2014-2019.
7. Despina Paraskevopoulou, *Correlation of chemical properties with optical and climatic parameters of aerosols in the area of Athens*, University of Crete, Chemistry Department (Prof. N. Mihalopoulos, Dr. E. Gerasopoulos, Prof. M. Kanakidou), 2009-2014.

Supervisor of MSc Theses:

1. Odysseas Vlachopoulos, *Synergy of Earth Observations with other smart, monitoring platforms (e.g. UAVs) for precision farming: The case of vineyards in Greece*, MSc in Space Science Technologies and Applications, 2017.
2. Dimitrios Mitsos, *Chemical Characterization of Black Crust on Historic Monuments and Link to Air Pollution: the Case of Cipollino Marble*, MSc in Cultural Heritage Materials and Technologies, 2016.

3. Arezina Sakka, *Study of the Spatial Differentiation of Antiquities' Exposure to Aerosols in Greece, using Space-Borne Remote Sensing*, MSc in Cultural Heritage Materials and Technologies, 2016.

#### **B8. Participation in Scientific Unions**

1. Hellenic Association of Aerosol Research
2. American Geophysical Union
3. European Geophysical Union

## C. Scientific Records – Publications

### C1. PhD Thesis – Monographies

1. PhD Thesis title “Study of stratospheric air fluxes into the troposphere with the use of  $^7\text{Be}$  and  $\text{O}_3$ ”, 2003

### C2. Publications in Peer Reviewed Journals

1. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A. and Gerasopoulos E., (1998). Transfer of Cesium-137 from soil to plants in Greece. *Radiat. Prot. Manag.* 15(1), p.p 41-44
2. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., and Gerasopoulos E., (1999). Background radiation measurements in the Lower Atmosphere before and after Chernobyl. *J. Environ. Radioactivity.* 42(1), p.p 87-92, [https://doi.org/10.1016/S0265-931X\(98\)00036-8](https://doi.org/10.1016/S0265-931X(98)00036-8)
3. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., and Gerasopoulos E., (1999). Soil-to-plant transfer of  $^{137}\text{Cs}$ ,  $^{40}\text{K}$  and  $^7\text{Be}$ . *J. Environ. Radioactivity.* 45(1), p.p 59-65, [https://doi.org/10.1016/S0265-931X\(98\)00077-0](https://doi.org/10.1016/S0265-931X(98)00077-0)
4. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., and Gerasopoulos E., (1999). Radon Measurements in Association with Earthquakes. *Il Nuovo Cimento.* Vol. 22C, N. 3-4.
5. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., and Gerasopoulos E., (2000). Characterization of a karstic system by examining the occurrence of radioactive nuclides and trace elements. *Nuovo Cimento C*, 23, p.p 411-422
6. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., and Gerasopoulos E., (2001). Coloured rain dust from Sahara Desert is still radioactive. *J. Environ. Radioactivity*, 55, p.p.109-112, [https://doi.org/10.1016/S0265-931X\(00\)00182-X](https://doi.org/10.1016/S0265-931X(00)00182-X)
7. Zanis P., Zerefos C.S., Gilge S., Melas D., Balis D., Ziomas I., Gerasopoulos E., Tzoumaka P., Kaminski U., and Fricke W., (2001). Comparison of measured and modelled ozone and nitrogen oxide concentrations at two different sites in Europe during the solar eclipse on August 11, 1999, *Atmospheric Environment*, 35 (27), p.p 4663-4673, [https://doi.org/10.1016/S1352-2310\(01\)00116-9](https://doi.org/10.1016/S1352-2310(01)00116-9)
8. Gerasopoulos E., Zanis P., Stohl A., Zerefos C.S., Papastefanou C., Ringer W., Tobler L., Hübener S., Gäggeler H.W., Kanter H.J., Tositti L., and Sandrini S., (2001). A climatology of  $^7\text{Be}$  at four high-altitude stations at the Alps and the Northern Apennines, *Atmospheric Environment*, 35 (36), p.p. 6347-6360. [https://doi.org/10.1016/S1352-2310\(01\)00400-9](https://doi.org/10.1016/S1352-2310(01)00400-9)
9. Papastefanou C., Manolopoulou M., Stoulos S., Ioannidou A., and Gerasopoulos E., (2001). Radon measurements along active faults in the Langadas Basin, northern Greece, *Natural Hazards and Earth System Sciences*, 1, p.p.159-164, <https://doi.org/10.5194/nhess-1-159-2001>
10. Kouvarakis G., Vrekousis M., Mihalopoulos N., Kourtidis K., Rappengluck B., Gerasopoulos E. and Zerefos C.S., (2002). Spatial and temporal variability of tropospheric ozone ( $\text{O}_3$ ) in the boundary layer above the Aegean Sea (Eastern Mediterranean), *J. Geophys. Res.-Atmospheres*, 107 (0), 8141, <https://doi.org/10.1029/2000JD000081>
11. Galani E., Balis D., Zanis P., Zerefos C.S., Papayannis A., Wernli H., and Gerasopoulos E., (2003). Observations of Stratosphere-Troposphere Exchange events over eastern Mediterranean using a ground-based lidar system, *J. Geophys. Res.*, 108(D12), 8527, <https://doi.org/10.1029/2002JD002596>
12. Zanis P., Gerasopoulos E., Zerefos C.S., Priller A., Schnabel C., Scheel H.E., Kanter H.J., Gäggeler H., Tobler L., Berger M., and Kubik P., (2003). An estimate of the impact of

stratosphere-to-troposphere transport (STT) on the lower free tropospheric ozone over the Alps using Be-10 and Be-7 measurements, *J. Geophys. Res.*, 108(D12), 8520, <https://doi.org/10.1029/2002JD002604>

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14. Gerasopoulos E., Zerefos C.S., Papastefanou C., Zanis P., and K.O'Brien, (2003). Low frequency variability of Beryllium-7 surface concentrations over Eastern Mediterranean, *Atmospheric Environment*, 37 (13), p.p. 1745-1756, [https://doi.org/10.1016/S1352-2310\(03\)00068-2](https://doi.org/10.1016/S1352-2310(03)00068-2)
15. Guyon, P., Graham B., Beck J., Boucher O., Gerasopoulos, E., Mayol-Bracero O.L., Roberts G. C., Artaxo P., and Andreae M.O., (2003). Physical properties and concentration of aerosol particles over the Amazon tropical forest during background and biomass burning conditions, *Atmospheric Chemistry and Physics*, 3, p.p. 951-967, <https://doi.org/10.5194/acp-3-951-2003>
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18. Balis D.S., Amiridis V., Zerefos C., Gerasopoulos E., Andreae M.O., Zanis P., Kazantzidis A., Kazadzis S., and Papayannis A., (2003). Raman lidar and sunphotometric measurements of aerosol optical properties during a biomass burning episode over Thessaloniki, Greece, *Atmospheric Environment*, 37(32), p.p. 4529-4538, [https://doi.org/10.1016/S1352-2310\(03\)00581-8](https://doi.org/10.1016/S1352-2310(03)00581-8)
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144. Liakakou, E., Stavroulas, I., Kaskaoutis, D.G., Grivas, G., Paraskevopoulou, D., Dumka, U.C., Tsagkaraki, M., Bougiatioti, A., Oikonomou, K., Sciare, J., Gerasopoulos, E., and Mihalopoulos, N., Levels and sources of Black Carbon long-term measurements in Athens, Greece, **12th International Conference on Air Quality – Science and Application**, Thessaloniki, Greece, 9-13 March 2020.
145. Kaskaoutis, D.G., Grivas, G., Stavroulas, I., Liakakou, E., Dimitriou, K., Gerasopoulos, E., and Mihalopoulos, N., Identification of key aerosol types in Athens based on long-term in situ optical and chemical properties, **Second Scientific Conference PANACEA**, Heraklion, Greece, online, 29 September - 1 October 2020.
146. Panopoulou, A., Liakakou, E., Sauvage, S., Gros, V., Locoge, N., Stavroulas, I., Bonsang, B., Gerasopoulos, E., and Mihalopoulos, N., Monoterpenes and Isoprene in the city of Athens: Natural vs anthropogenic origin and estimation of their contribution in secondary atmospheric pollutants' levels, **Second Scientific Conference PANACEA**, Heraklion, Greece, online, 29 September - 1 October 2020.
147. Stavroulas, I., Grivas, G., Michalopoulos, P., Liakakou, E., Bougiatioti, A., Kalkavouras, P., Fameli, K.M., Hatzianastassiou, N., Mihalopoulos, N., and Gerasopoulos, E., Evaluation and Field Deployment of Low-cost PM Sensors in Different Urban Environments in Greece, **Second Scientific Conference PANACEA**, Heraklion, Greece, online, 29 September - 1 October 2020.
148. Kakouri, A., Ramacher, M., Athanasopoulou, E., Grivas, G., Speyer, O., Karl, M., Kontos, T., and Gerasopoulos, E., A GIS - based tool in service of high resolution air quality mapping, **National Geography Conference: Geography in a changing world**, Mytilene, Greece, 2-4 June 2021.
149. Gerasopoulos, E., Athanasopoulou, E., Speyer, O., Bailey, J., Kocman, D. and Karl, M. "Urban resilience to environmental stressors via EO-based smart solutions," **2021 IEEE International Geoscience and Remote Sensing Symposium (IGARSS)**, Brussels, Belgium, 11-16 July 2021, (pp. 1194-1197, doi: 10.1109/IGARSS47720.2021.9554066).
150. Gerasopoulos, E., Resilient Cities and Human Settlements: a new engagement priority for GEO, **EuroGEO Workshop 2021**, September 2021.
151. Gratsea, M., Athanasopoulou, E., Kakouri, A., Richter, A., Seyler, A. and Gerasopoulos, E., Long-term MAX-DOAS NO<sub>2</sub> measurements over Athens and association with urban sources, **15<sup>th</sup> International Conference on Meteorology, Climatology and Atmospheric Physics – COMECAP 2021**, Ioannina, Greece (hybrid), 26-29 September 2021.

152. Dimitriadou, L., Nastos, P., Gerasopoulos, E., Kapsomenakis, J., and Zerefos, C., Air quality impacts on human health. The case of Athens, Greece, **15<sup>th</sup> International Conference on Meteorology, Climatology and Atmospheric Physics – COMECAP 2021**, Ioannina, Greece (hybrid), 26-29 September 2021.
153. Panopoulou, A., Liakakou, E., Sauvage, S., Gros, V., Locoge, N., Bonsang, B., Gerasopoulos, E., Mihalopoulos, N., C10 – C16 Volatile Organic Compounds in Athens (Greece), 15<sup>th</sup> **International Conference on Meteorology, Climatology and Atmospheric Physics – COMECAP 2021**, Ioannina, Greece (hybrid), 26-29 September 2021.
154. Gavrouzou, M., Korras-Carraca, M.B., Liakakou, E., Grivas, G., Bougiatioti, A., Stavroulas, I., Michailidis, K., Karagkiozidis, D., Papanikolaou, C.-A., Foskinis, R., Mylonaki, M., Soupiona, O., Koukouli, M., Hatzianastasiou, N., Balis, D., Bais, A.F., Papayannis, A., Gerasopoulos, E., Mihalopoulos, N., Overview of the 2019-2020 winter PANACEA campaign at Ioannina Greece, **15<sup>th</sup> International Conference on Meteorology, Climatology and Atmospheric Physics – COMECAP 2021**, Ioannina, Greece (hybrid), 26-29 September 2021.
155. Tavernaraki, K., Tsiotra, I., Papoutsidaki, K., Tsagaraki, M., Zampas, P., Kouvarakis, G., Grivas, G., Liakakou, E., Stavroulas, I., Gerasopoulos, E., Mihalopoulos, N., Levels and sources of polycyclic aromatic hydrocarbons at the port of Piraeus, **15<sup>th</sup> International Conference on Meteorology, Climatology and Atmospheric Physics – COMECAP 2021**, Ioannina, Greece (hybrid), 26-29 September 2021.
156. Athanasopoulou, E., Grivas, G., Kakouri, A., Ramacher, M., Speyer, O., Karl, M., and Gerasopoulos, E., [Synergy between different earth observation platforms towards the estimation of the intra-urban population exposure to wintertime air pollution of Athens](#), **15<sup>th</sup> International Conference on Meteorology, Climatology and Atmospheric Physics – COMECAP 2021**, Ioannina, Greece (hybrid), 26-29 September 2021.
157. Solomos, S., Kampouri, A., Amiridis, V., Balis, D., Bais, A., Karagkiozidis, D., Papayannis, A., Mihalopoulos, N., Bougiatioti, A., Stavroulas, I., Liakakou, E., Gerasopoulos, E., Athanasopoulou E., Poupkou A., Zerefos C., Mylonaki M., Soupiona O., Papanikolaou C., Foskinis R., and Kakouri A, Pollutants dispersion from domestic wood burning for heating at Ioannina, **15<sup>th</sup> International Conference on Meteorology, Climatology and Atmospheric Physics – COMECAP 2021**, Ioannina, Greece (hybrid), 26-29 September 2021.
158. Liakakou, E., Panopoulou, A., Grivas, G., Gerasopoulos, E., Sauvage, S., Mihalopoulos, N., Investigation of BVOC levels in a coastal urban environment: The Piraeus Port in Greece, **CEST 2021 – International Conference on Environmental Science & Technology**, Athens, Greece (hybrid), 1-4 September 2021.
159. Bougiatioti, A., Dimitriou, K., Ramonet, M., Pierros, F., Michalopoulos, P., Liakakou, E., Solomos, S., Quehe, P.-Y., Delmotte, M., Gerasopoulos, E., Kanakidou, M., and Mihalopoulos, N., Greenhouse gases in the urban environment of Athens, trends and sources, **CEST 2021 – International Conference on Environmental Science & Technology**, Athens, Greece (hybrid), 1-4 September 2021.
160. Kaskaoutis, D.G., Grivas, G., Stavroulas, I., Bougiatioti, A., Liakakou, E., Gerasopoulos, E., and Mihalopoulos, N., Assessment of the spectral absorptions by Black and Brown Carbon for different sources: Application in Athens, **2<sup>nd</sup> International Workshop – Climate Change 2021, Climate and Atmosphere Research & Innovation in the Eastern Mediterranean & Middle East**, The Cyprus Institute, online, 11-12 October 2021.
161. Kaskaoutis, D.G., Grivas, G., Stavroulas, I., Bougiatioti, A., Liakakou, E., Gerasopoulos, E., Mihalopoulos, N., Optical properties and the curvature effect in spectral scattering and absorption coefficients for key aerosol types identified in Athens, **2<sup>nd</sup> International Workshop – Climate Change 2021, Climate and Atmosphere Research & Innovation in the Eastern Mediterranean & Middle East**, The Cyprus Institute, online, 11-12 October 2021.

162. Kakouri, A., Athanasopoulou, E., Kontos, T., Speyer, O. and Gerasopoulos, E., How spatial technologies and open data can assist in monitoring the Sustainable Development Goal 11 on the local scale?, **EUROGEO conference Lesvos 2022 “Re-visioning geography for sustainability in the post-covid era”**, Mytilene, Greece, 5-6 May 2022.
163. Kakouri, A., Athanasopoulou, E., Ramacher, M., Kuenen, J., Kontos, T. and Gerasopoulos, E., A spatial disaggregation tool for high resolution emissions towards intra-urban air pollution modelling, **1st ACTRIS Science Conference**, online 11-13 May 2022.
164. Gerasopoulos, E., Speyer, O., Athanasopoulou, E., Arslan, A., Dabrowska-Zielinska, K., Panek, E., Harwood, P., Burzykowska, A., GAUSS: Generating Advanced Usage of Earth Observation for Smart Statistics”, **Living Planet Symposium (LPS) 2022**, Bonn, Germany, 23-27 May 2022.

#### C4. Technical/Scientific Reports - Books

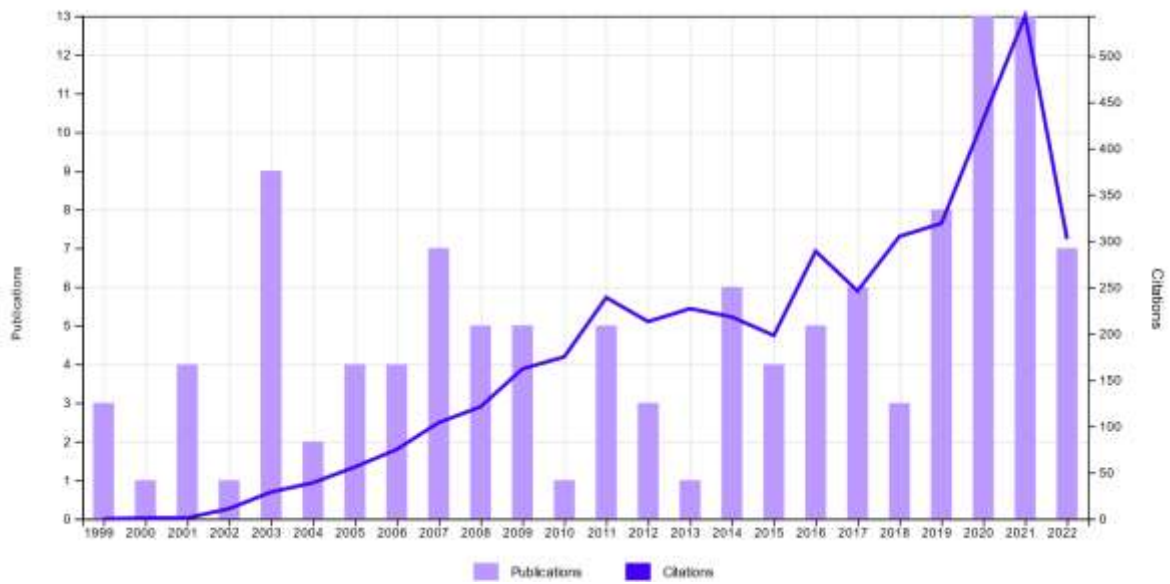
1. Kallos, G. et al. (2013). Mechanisms of Climate Variability, Air Quality and Impacts of Atmospheric Constituents in the Mediterranean Region. In: Navarra, A., Tubiana, L. (eds) Regional Assessment of Climate Change in the Mediterranean. Advances in Global Change Research, vol 50. Springer, Dordrecht. [https://doi.org/10.1007/978-94-007-5781-3\\_4](https://doi.org/10.1007/978-94-007-5781-3_4).
2. The environmental, economic and societal impacts of climate change in Greece, Bank of Greece, June 2011, ISBN 978-960-7032-49-2, co-author of 1<sup>st</sup> chapter "The climate of the Eastern Mediterranean and Greece: past, present and future".
3. Gerasopoulos E., Liakakou E., Psiloglou B., Lianou M., Mihalopoulos N., Solomos S., Marinou E., Amiridis V., Kontoes C., "Airborne concentrations of gas and particle pollutants over the greater Athens area after the fire accident at the recycle factory of Aspropyrgos", Environmental Impact Assessment Report prepared by NOA on behalf of the Region of Attica, Directorate of Environment, PART 1 "In situ measurements", June 2015.
4. Gerasopoulos E., Solomos S., Liakakou E., Psiloglou B., Lianou M., Mihalopoulos N., Marinou E., Amiridis V., Kontoes C., "Airborne concentrations of gas and particle pollutants over the greater Athens area after the fire accident at the recycle factory of Aspropyrgos", Environmental Impact Assessment Report prepared by NOA on behalf of the Region of Attica, Directorate of Environment, PART 2 "Chemical analysis and numerical modeling", July 2015.
5. Gerasopoulos E., Liakakou E., Psiloglou B., Roukounakis, N., Antoniadis, A., Terzopoulou, E., Valari, M., Goutsikostas, D., "Implementation of measurements and analyses of environmental indices for "atmospheric quality" along the Egnatia Highway (N. Greece)", 1<sup>st</sup> Technical Report on winter measurements campaign and carbon footprint estimation methodology, December 2015.
6. Gerasopoulos E., Liakakou E., Psiloglou B., Roukounakis N., Gratsea M., Antoniadis, A., Terzopoulou, E., Valari, M., Goutsikostas, D., Melas, D., Poupkou, A., Giama, E., Liora, N., Stergiou, I., Giannaros, C., Dimopoulos, S.: "Implementation of measurements and analyses of environmental indices for "atmospheric quality" along the Egnatia Highway (N. Greece)", 2<sup>nd</sup> Technical Report on summer measurements campaign, carbon footprint software and environmental indices, August 2016.
7. Athanasopoulou E., Speyer O., Apostolopoulou S., Papageorgiou S., Amiridis V. and Gerasopoulos E.: [Near Real-Time Aerosol Predictions During the First Citizen Observatory Campaign in Greece](#), *Springer Atmospheric Sciences*, Theodore Karacostas et al. (Eds): Perspectives on Atmospheric Sciences, 978-3-319-35094-3, 395543\_1\_En, (118), [DOI: 10.1007/978-3-319-35095-0\\_118](https://doi.org/10.1007/978-3-319-35095-0_118), 2016.

## D. Recognition of Scientific & Research Work

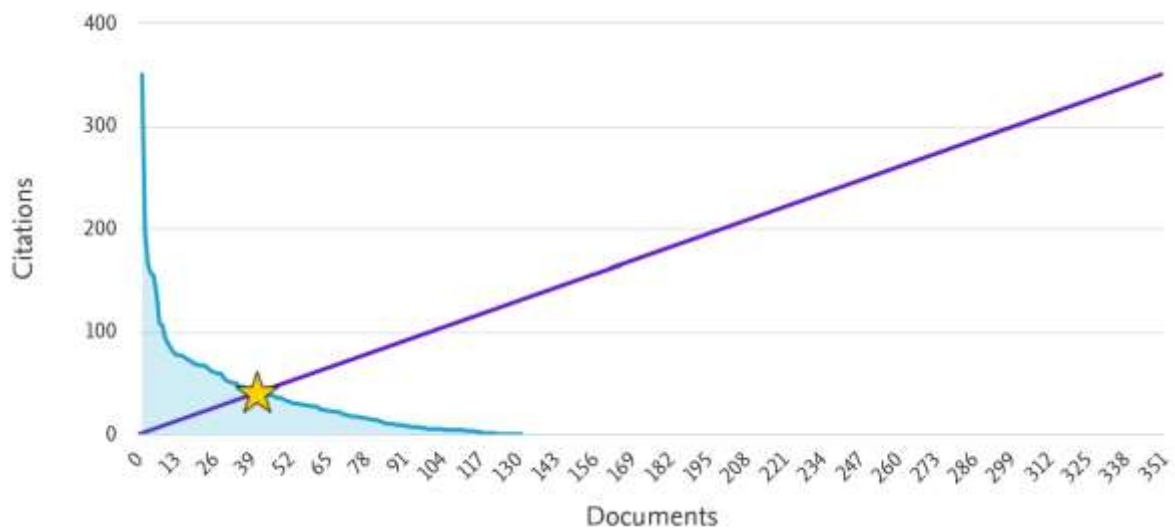
### D1. Citations και h-index

The scientific work of Dr. Evangelos Gerasopoulos, with 120 publications in peer-reviewed journals and 164 in conferences, accumulates **4304 references (35.87 references per publication)** of which **3749 without self-citations**. His **h-index is 40**.

*{source: Web of Science, Aug 2022}*



**Figure 1:** Publications and total citations per year *{source: Web of Science, Aug 2022}*



**Figure 2:** h-index graph *{source: Scopus, Aug 2022}*

## **D2. Delegations**

1. National Delegation Head at GEO-Week 2022/Plenary, Accra, Ghana **(31 Oct - 4 Nov 2022)**
2. National Delegation Head at GEO-Week 2021/Plenary “Accelerating Action”, **(22 - 26 Nov 2021, online due to Covid)**
3. National Delegation at COP26 (European side events) “Addressing climate change impacts on cultural and natural heritage”, organized by the Greek Government - Coordination Unit of the Greek Initiative at UN, Brussels, Belgium **(1 - 2 Nov 2021)**
4. National Delegation Head at GEO-Week 2020/Plenary, **(2 - 6 Nov 2020, online due to Covid)**
5. National Delegation Head at GEO Week 2019/Plenary and Ministerial Summit, Canberra, Australia **(4 - 8 Nov 2019)**
6. National Delegation Head at GEO Week 2018/Plenary, Kyoto, Japan **(29 Oct - 2 Nov 2018)**
7. National Delegate at GEO XIV Plenary Session (GEO-XIV), Washington, U.S.A. **(23 - 27 Oct 2017)**
8. National Delegate at GEO XIII Plenary Session (GEO-XI), St Petersburg, Russia **(7 - 10 Nov 2016)**
9. National Delegate at GEO XI Plenary Session (GEO-XI), Geneva, Switzerland **(13 - 14 Nov 2014)**
10. National Delegate at the Plenary Meeting of the European Polar (EPB) Board - European Science Foundation (ESF), Brussels, Belgium **(15 Oct 2009)**
11. Delegate on behalf of the Academy of Athens at the European Academies Science Advisory Council (EASAC), Scoping Workshop on Biofuels, Royal Netherlands Academy of Arts and Sciences (KNAW), Amsterdam, Netherlands, **(27 Mar 2008)**

## **D3. Invited Talks – Expert Panels – Moderation**

1. CURE stakeholder workshop (Copernicus for Urban Resilience in Europe), Council for European Municipalities and Regions (CEMR), Brussels, Belgium **(17 Oct 2022)**
2. Region of Attica Conference “Adaptation to Climate Change - Policies, Plans and Implementation”, talk on “Climate change observatory as a tool for monitoring and evaluating the adaptation measures”, Athens, Greece, **(22 Jun 2022)**
3. EXPANDEO and Fire Forum 2022 “Where the market meets - Unlocking the full potential of Earth Observation in Europe”, Urban Sector Lead, panelist in sessions (a) “Getting there” – Deep dive in the latest R&D trends and priorities and (b) Fighting climate change in urban environment: a multi-scalar endeavor, European Association of Remote Sensing Companies (EARSC), Brussels. Belgium **(14 - 15 Jun 2022)**
4. UNESCO’s Expert Meeting “Heritage from Space for Peace”, contributor as GEO expert, online **(7 Jun 2022)**
5. Living Planet Symposium 2022 “Taking the pulse from our planet to space”, panelist in session “Future for Heritage”, Bonn, Germany **(23 - 25 May 2022)**
6. STRENCH 2<sup>nd</sup> International Conference “Strengthening resilience of Cultural Heritage at risk in a changing environment through proactive transnational cooperation”, talk on “Coordinating Earth observation exploitation for Cultural Heritage at the global scale: the Urban Heritage Climate Observatory Initiative”, online **(24 Feb 2022)**
7. Scientific advisory Group on Aerosol (SAG), Global Atmospheric Watch/World Meteorological Organisation (GAW/WMO), contributor as GEO expert, online **(24 Jan 2022)**

8. TMM-CH “Transdisciplinary Multispectral Modelling and Cooperation for the Preservation of Cultural Heritage Recapturing the World in Crisis” 2<sup>nd</sup> International Conference, panelist in session “Resilience to Climate Change, Natural Hazards and Pandemic Risks – Biosafety”, Eugenides Foundation Athens, Greece **(13 - 15 Dec 2021)**
9. Sustainable City Network, Annual Conference and General Assembly, talk on “Monitoring air quality in the frame of Living Streets”, Athens, Greece **(16 Dec 2021)**
10. GEO-Week 2021/Plenary “Accelerating Action”, moderator of Plenary Session “Engaging the GEO Community”, talk on “Resilient Cities and Human Settlements Engagement Priority”, online **(22 - 26 Nov 2021)**
11. COP26 (European side events) “Addressing climate change impacts on cultural and natural heritage”, panelist in session “Challenges and prospects on management of cultural and natural heritage in the context of climate crisis”, organized by the Greek Government - Coordination Unit of the Greek Initiative at UN, Brussels, Belgium **(1 - 2 Nov 2021)**
12. EKT Real Skills for Scientists webinars “Strengthening the skills of young researchers in Natural Sciences and Mathematics”, presenter and panelist, online **(11 Nov 2021)**
13. The Medideranian Hybrid Forum 2021 "Circle the Med", presenter and panelist in session “Cultural Heritage”, online **(18 - 022 Oct 2021)**
14. EuroGEO Workshop 2021 “Environmental Observation-based solutions to support the EU Green Deal”, talk on “Resilient Cities and Human Settlements: a new engagement priority for GEO”, online **(21 Sep 2021)**
15. EU’s OMC 4<sup>th</sup> Meeting, Council work plan for Culture 2019-2022 - Cultural Heritage and adaptation to climate change, talk on “Urban Heritage Climate Observatory” **(13 - 14 Sep 2021)**
16. Copernicus Workshop on “Cultural & Natural Heritage & Climate Challenges”, panelist in session “Cultural and Natural Heritage Requirements for Climate Change Adaptation”, ECMWF/C3S, online **(1 - 2 Jul 2021)**
17. GEO Virtual Symposium 2021 “Strengthening inclusive partnership across the GEO WP”, moderator of plenary session “Resilient Cities and Human Settlements”, Online, **(21 - 24 Jun 2021)**
18. EXPANDEO and Fire Forum 2021 “Where the market meets”, Plenary, Urban Sector Lead, panelist in session “Urban planning in the digital age”, European Association of Remote Sensing Companies (EARSC), online **(16 - 17 Jun 2020)**
19. Blue Shield Cultural Heritage Awareness Webinars, talk in session “Cultural heritage and Climate Change”, University of Nicosia and University of Athens, online **(9 Mar 2021)**
20. 54<sup>th</sup> GEO Executive Committee Meeting, introduction of “Resilient Cities and Human Settlements: Implementation Plan”, as co-chair of the Urban Resilience PB sub-group, online **(16 - 17 Mar 2021)**
21. 53<sup>rd</sup> GEO Executive Committee Meeting, introduction of “Resilient Cities and Human Settlements the 4<sup>th</sup> GEO Engagement Priority”, as co-chair of the Urban Resilience PB sub-group, online **(3 - 4 Nov 2020)**
22. EURISY workshop on "Space for cities: from innovation to operation", talk on “Monitoring air quality in cities: the SMURBS SDG indicator 11.6.2 Earth Observation Platform”, online **(27 Oct 2020)**
23. Dialogues Stavros Niarhos Foundation (SFN) “Climate Change: Reality, use and abuse of the term” Athens, panelist, Athens, Greece **(29 Jan 2020)**
24. GEO Symposium 2019, moderator of session “Earth Observations for Health and Urban Resilience”, Geneva, Switzerland **(27 - 29 May 2019)**



25. KEDE, City Challenge Crowdhackathon #Smartcity 3, mentor **(10 - 12 May 2019)**
26. “Challenges and Opportunities for a New Economy in the Context of Climate Change: Promoting Innovation for Sustainable Development” organized by the Navarino Environmental Observatory(NEO) and the Swedish Embassy, under the auspices of the Presidency of the Hellenic Republic (Mr Pavlopoulos) and HRH Crown Princess Victoria of Sweden, session moderator “Climate smart investments: driving transformations in Europe in 21st century”, Academy of Athens **(3 May 2019)**
27. KEDE City Challenge Crowdhackathon #Smartcity 2, mentoring **(28 Jun - 1 Jul 2018)**
28. Region of Attica Workshop on “Environment and development in the extended region of Piraeus: environmental impacts and perspectives”, talk on “Specialized measurements of air pollution in the port of Piraeus – qualitative and quantitative sources apportionment, Piraeus, Greece **(21 Nov 2018)**
29. Copernicus for Future Cities Workshop, talk on “Smart Urban Solutions for air quality, disasters and city growth (SMURBS)”, DG GROW, Brussels, Belgium, **(9 Nov 2018)**
30. Smart Statistics for Smart Cities Conference, talk on “Earth Observation (EO) for Smart Cities: The SMURBS/ERA-PLANET EU Project and the contribution of EO to the SDGs frame”, EUROSTAT, Kalamata, Greece, **(5 - 6 Oct 2018)**
31. ECOCITY FORUM 2018 "Circular Economy in Smart Cities", talk on “Earth Observations, carrying the Smart City further”, Thessaloniki, Greece **(3 - 5 Oct 2018)**
32. International Day of Light - UNESCO, talk on “Extinguishing Light: The Effect of Sun’s eclipse on Earth”, Athens, Greece, **(16 May 2018)**
33. Navarino Environmental Observatory (NEO), «café-NEO» science cafe, “KALAMATA Smart City – Towards smart and resilient cities with the use of new technologies”, key invitee, Kalamata, Greece **(16 Apr 2018)**
34. 1st Conference of City Network-Sustainable City, talk on “SMURBS project- smart city solutions”, Athens, Greece **(1 Nov 2017)**
35. Copernicus Atmosphere Monitoring Service (CAMS) General Assembly, panelist and talk on "The Greek GEO Office and regional ongoing activities projects", Athens, Greece **(14 - 16 Jun 2016)**
36. Navarino Environmental Observatory (NEO), «café-NEO» science cafe, “Economic crisis and impacts on the environment and health”, key invitee, Kalamata, Greece **(7 Dec 2013)**
37. Technical Chamber of Greece, Workshop "Smog pollution. The chronicle of untargeted choices: mistakes, consequences, solutions", talk on "Specialized measurements of gaseous and particulate pollutants in Athens and 4 Greek cities during winter 2012-2013", round table "Measures, suggestions and strategies for encountering the problem – citizens seeking for answers", Athens, Greece **(27 Mar 2013)**
38. First International Conference: From Deserts to Monsoons, talk on dust characteristics over the Mediterranean, Crete, Greece, **(1 - 6 Jun 2008)**
39. World Environment Day, "Climate Change: change your habits – towards a low carbon emissions economy", talk and discussion on the contribution of pollution, Foundation of the Hellenic World, Athens, Greece **(5 Jun 2008)**
40. Workshop on “Wildfires Management”, with the support of Stavros Niarchos Foundation (SNF) NOA’s representative, Zappio Megaro, Athens, Greece **(6-7 Dec 2007)**
41. Workshop "Environment and Sustainable Development", Rotary of Pallini, talk and discussion on the contribution of pollution, Athens, Greece **(21 Oct 2007)**

42. Workshop on “The role of Polar Regions on Global Climate Change”, European Polar Consortium, European Foundation, presentation of NOAA’s capacities and potential contributions, Sofia, Bulgaria (1 - 4 Jul 2007)

#### **D4. Member in Editorial Boards of International Scientific Journals**

1. Editor in Atmospheric Chemistry and Physics, EGU-Copernicus Pubs (IF-5y: 5.6) (2010-2022)  
([http://www.atmospheric-chemistry-and-physics.net/general\\_information/editorial\\_and\\_advisory\\_board.html](http://www.atmospheric-chemistry-and-physics.net/general_information/editorial_and_advisory_board.html))
2. Aegean Journal of Environmental Sciences (AEJES), forum for postgraduate (M.Sc. and Ph.D.) students' research publication  
(<http://www.env.aegean.gr/aegean-journal-of-environmental-sciences/>)
3. Editor in Special Issue "CHemistry and AeRosols Mediterranean EXperiments (ChArMEx) (ACP/AMT inter-journal SI), jointly organized between Atmospheric Chemistry and Physics and Atmospheric Measurement Techniques journals  
([http://www.atmos-chem-phys.net/special\\_issue334.html](http://www.atmos-chem-phys.net/special_issue334.html))
4. Editor in Special Issue “Science-policy interfaces of the European network”, journal - Environmental Science & Policy, Edited by Anthony Lehmann, Evangelos Gerasopoulos, Tuukka Tuukka, Pirrone Pirrone (2001-2022)  
(<https://www.sciencedirect.com/journal/environmental-science-and-policy/special-issue/I0NLPXNHVML>)

#### **D5. Reviewer in Scientific Journals**

(non-exhaustive list)

Atmospheric Chemistry and Physics, Atmospheric Environment, Journal of Geophysical Research, Geophysical Research Letters, Atmospheric Research, Atmospheric Pollution Research, Environmental Pollution, Annales Geophysicae, Environmental Science and Pollution Research, Water, Air, & Soil Pollution, Meteorology and Atmospheric Physics, Journal of Environmental Modelling & Software, Optica Pura y Aplicada, New Astronomy, International Journal of Digital Earth.

#### **D6. Book Reviewer**

2015: Critical reviewer of the book entitled "Atmospheric technologies" (ISBN: 978-960-603-279-0) in the frame of the action "Hellenic Academic Ebooks - Kallipos", National Technical University of Athens.

#### **D7. Project/Organization Evaluator - Reviewer**

Evaluations assigned by: European Facility for Airborne Research (EUFAR); King Fahd University of Petroleum and Minerals (KFUPM); University of Ioannina (UoI, Greece); State Scholarships Foundation (IKY); NASA (in the frame of Interdisciplinary Science for Eclipse 2017); FCT - Fundação para a Ciência e a Tecnologia (Portugal)

Other: Member of the Evaluation Team of the 5th GEOSS Evaluation; Member of the Evaluation Team of the 6th (final) GEOSS Evaluation