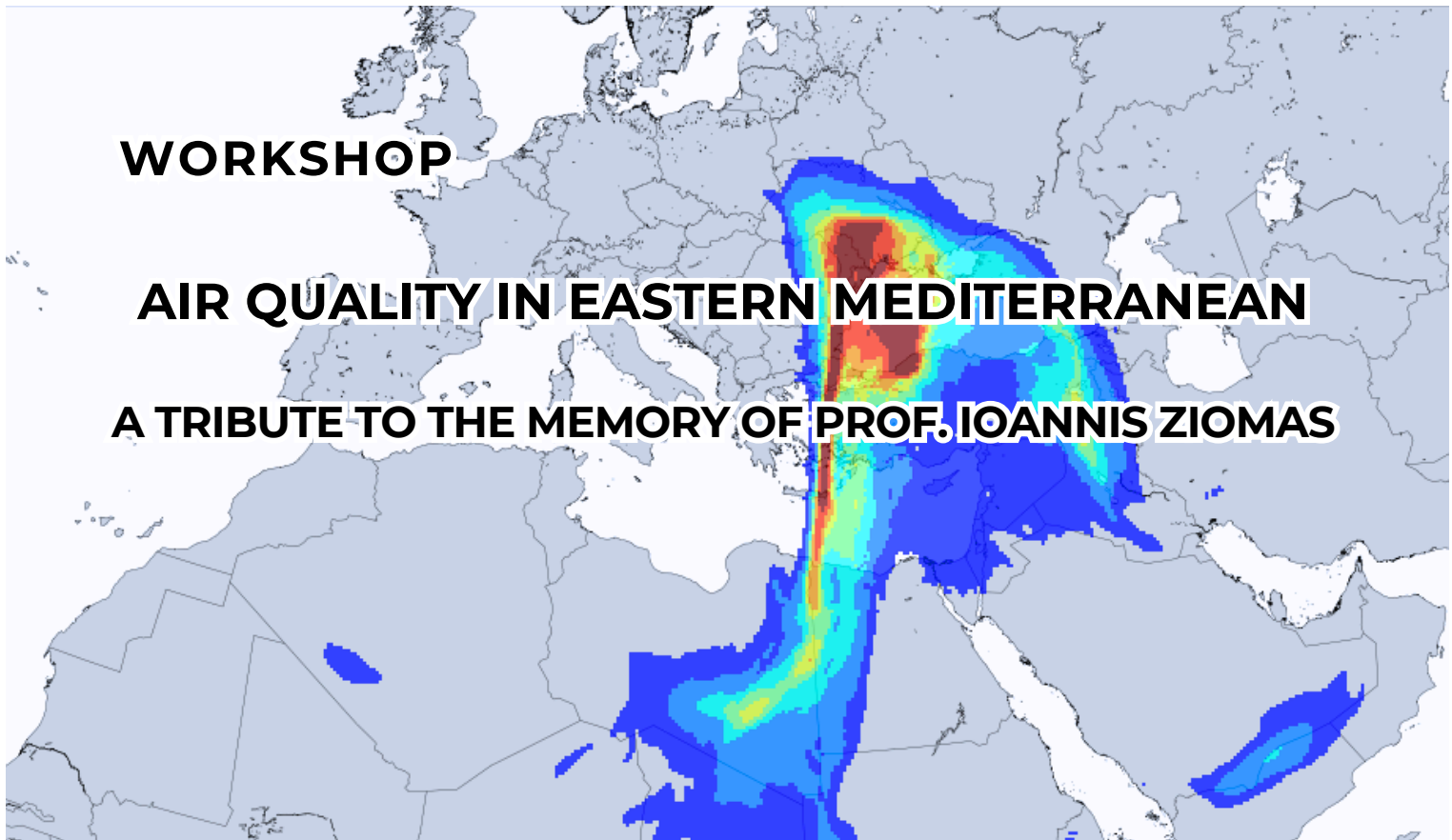




ARISTOTLE UNIVERSITY OF THESSALONIKI



WORKSHOP

AIR QUALITY IN EASTERN MEDITERRANEAN

A TRIBUTE TO THE MEMORY OF PROF. IOANNIS ZIOMAS

3 - 4 OCTOBER 2024
THESSALONIKI - GREECE



Central Library Auditorium (Ground floor)
Aristotle University of Thessaloniki

Register [here!](#)

More information on [webpage](#)

Contact info: medcaphot@physics.auth.gr



MARIOLOPOULOS - KANAGINIS FOUNDATION
FOR THE ENVIRONMENTAL SCIENCES



Co-funded by
the European Union

Workshop on Air Quality in Eastern Mediterranean

A TRIBUTE TO THE MEMORY OF PROF. IOANNIS ZIOMAS

Dedicated to the memory of our colleague, collaborator, mentor and dearest friend, Prof. Ioannis Ziomas, this workshop explores Air Quality Processes in Eastern Mediterranean, which was the focus of his research work. One of the major achievements of his career was the coordination of the European project Mediterranean Campaign of Photochemical Tracers - Transport and Chemical Evolution (MEDCAPHOT-TRACE).

The purpose of MEDCAPHOT-TRACE was to study the chemical and meteorological evolution of ozone and related trace gases (over land and sea), modulated by the various synoptic and local meteorological conditions (sea/land breeze circulation, local winds, inversion layers etc.) in one of the largest urban agglomerations in the Mediterranean region. A major accomplishment of the MEDCAPHOT-TRACE project was the measuring campaign that took place in the greater Athens area during the summer of 1994 (20 August – 20 September) with the participation of 16 European and Greek scientific groups.

The workshop is organized in the context of the 30th anniversary of the MEDCAPHOT-TRACE campaign.

Workshop Co-organizers:

Laboratory of Atmospheric Physics - Aristotle University of Thessaloniki

Mariolopoulos - Kanaginis Foundation for the Environmental Sciences

LIFE SIRIUS Project



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Workshop on Air Quality in Eastern Mediterranean

A TRIBUTE TO THE MEMORY OF PROF. IOANNIS ZIOMAS

3 – 4 October 2024 - Central Library Auditorium
Aristotle University of Thessaloniki

Understanding pollution processes in Eastern Mediterranean

14:00 – 14:30

Registration

14:30 – 14:45

Welcome address

14:45 – 16:00

Air Quality in Eastern Mediterranean – 1

14:45 – 15:05

Air Quality in the Eastern Mediterranean: Progress made since MEDCAPHOT-TRACE and open questions,
Kanakidou Maria

15:05 – 15:25

Summertime tropospheric ozone-circulation links in the Eastern Mediterranean/Middle East, **Zanis Prodromos**

15:25 – 15:45

The Importance of Reactive Trace Gases in Shaping the Air Quality of the Eastern Mediterranean, **Bourtsoukidis Efstratios**

15:45 – 16:05

Coffee break

16:05 – 17:00

Air Quality in Eastern Mediterranean – 2

16:05 – 16:25

Future projections of the Urban Heat Island in a Mediterranean coastal city, **Melas Dimitrios**

16:25 – 16:45

AtmoHub: the Greek Copernicus NCP portal for atmospheric composition monitoring and forecasting, **Amiridis Vassilis**

October 3

30 years from MEDCAPHOT-TRACE

9:00 – 9:30 Registration

9:30 – 11:15 The Legacy of MEDCAPHOT-TRACE

9:30 – 9:45 Medcaphot-trace: The project, **Balis Dimitrios**

9:45 – 10:00 Urban air quality – lessons learnt since MEDCAPHOT-TRACE, **Rappenglueck Bernhard**

10:00 – 10:15 Urban boundary layer – MEDCAPHOT-TRACE and beyond, **Gryning Sven-Erik and Batchvarova Ekaterina**

10:15 – 10:30 Climate change and air pollution policies under the European Green Deal, **Amanatidis Georgios**

10:30 – 10:45 Air Quality, Health and Climate Change at the crossroads of Europe, Asia and Africa, **Skouloudis Andreas**

10:45 – 11:00 The rising importance of Aerosol physicochemical properties: from applied research to air quality monitoring guidelines, **Eleftheriadis Konstantinos**

11:00 – 11:15 The contribution of Ioannis Ziomas to the understanding of atmospheric pollution in the Athens Basin, **Papayannis Alexandros**

11:15 – 11:40 Coffee Break

11:40 – 13:00 Air Quality in Greece: Young Scientists' session

11:40 – 11:52 Air quality monitoring over Thessaloniki, Greece using ground-based MAX-DOAS and direct sun measurements, **Dimitris Karagkiozidis**

11:52 – 12:04 Extreme wildfires in Northern Greece during the summer of 2023: Impact on regional air quality, aerosol optical properties and solar UV radiation, **Konstantinos Michailidis**

12:04 – 12:16 Determination of the impact of air pollutants on public health in Thessaloniki, Greece, using AIRQ+ tool, **Stavros Cheristanidis**

October 4

30 years from MEDCAPHOT-TRACE

12:16- 12:28

Predictive Modeling and Exposure Levels of Allergenic Pollen in Thessaloniki, Greece, **Sophia Papadogiannaki**

12:28 – 12:40

Machine Learning for Air Quality Data Fusion, **Theodosios Kassandraos**

13:00 – 14:00

Lunch Break

14:00- 15:00

Air Quality in Greece: Young Scientists' session (continued)

14:00 – 14:12

Atmospheric health in urban environments of Southeastern Europe: A comprehensive modelling approach for unifying DLNMs, **Daphne Parliari**

14:12 – 14:24

Maritime sector contributions on NO2 surface concentrations in major ports of the Mediterranean Basin, **Andreas Pseftogkas**

14:24 – 14:36

Changes in regional precipitation and the atmospheric energy budget due to anthropogenic aerosols– a multi-model study, **Alkiviadis Kalisoras**

Poster

Aerosol background conditions in the Eastern Mediterranean: The case of the PANhellenic GEophysical observatory of Antikythera, **Voudouri Kalliopi Artemis**

15:00 – 16:30

Tribute to Prof. Ioannis Ziomas

Christos Zerefos (key note speaker)

Other participants who wish to say a few words

Young Scientists' Session

As part of the Workshop's session "Air Quality: Young Scientists*", an award will be presented to the most outstanding presentation.

(* Young Scientists : PhD candidates or scientists who have receive a PhD degree after the year 2014, as first authors).

Sponsors

