Dr. Konstantinos ELEFTHERIADIS is a **Director of Research at NCSR Demokritos**,

Head of the Environmental Radioactivity Laboratory and Aerosol Group at the Institute of Nuclear & Radiological Sciences & Technology, Energy & Safety. Research expertise on Physicochemical aerosol characterization with respect to climatic active aerosol species, nano-particle metrology, development of novel sampling and measurement techniques for aerosol particles, exposure of humans to aerosol contaminants such as heavy metals and radioactive pollutants, and retrieval of emission source impact, source apportionment and receptor modelling. PI for Demokritos in several EU FP and DG-ENV programmes namely, NICE, SUB-AERO, URBAN-AEROSOL, URBAN-EXPOSURE, EUSAAR, ACTRIS, LIFE+ACEPT-AIR, LIFE+AIRUSE, ITN Marie Curie HEXACOMM, IAEA Regional projects & other National programmes. Coordinator of the FP7 REGPOT-EnTeC for enhancing the capacity of NCSR Atmospheric Research and Technology Infrastructure, including the Athens GAW/ACTRIS Demokritos station, the Mt. Helmos Free troposphere Aerosol and GHG station and the QA/QC physical aerosol properties lab facility. He has the role of National Counterpart for Greece in Regional IAEA programmes. He currently co-ordinates the DG Environment LIFE+ project: Development of A Cost Efficient Policy Tool for reduction of Particulate Matter in air. He has established and is responsible for the DEM, GAW-Regional contributing Aerosol Station of NCSR-D. He has supervised 7 PhD theses and 5 MSc project theses. He has more than 100 publications in peer reviewed journals regarding aerosol science and applications in atmospheric research, measurement methodology and methods of nano-particle characterization for applications in air pollution and climate impact of atmospheric aerosol. Three invited expert missions by IAEA in the Environment programme for Africa and Middle East,Member of the National Emergency Action Plan "Xenokratis". Founding member and current president of the Hellenic Association for Aerosol Research.

RESEARCH and DEVELOPMENT Programmes

E.U. Commission 5th Framework programme

1. Properties of tropospheric aerosols - A case study: the NItrogen Cycle and Effects on the oxidation of atmospheric trace species **(NICE)**
Key Action 2; Global Change€
2000-2001, Full cost (50%): € 80,100

2. Subgrid Scale Investigations of Factors Determining the Occurrence of Ozone and Fine Particles **(SUB-AERO)**
Key Action 2; Global Change
2000-2002, Full cost (50%): € 250,000

3. EVK4-CT-2000-00018: Indoor/Outdoor Particulate Matter Chemical Characteristics and Source-to-Inhaled Dose Relationships **(URBAN AEROSOL)**

2001-2004, Full cost (50%): € 863,000

4. EVK4-CT-2002-00090: Integrated Exposure Management Tool Characterizing Air pollution-relevant Human Exposure in Urban Environment **(URBAN EXPOSURE)**

2002-2005, Full cost (50%): € 1,479,332

General Secretariat of Research and Technology

5. Research on Indoor Particulate Matter Pollution in Industrial Facilities. Period 2003-2006, Full cost (100%): € 750,000
6. Upgrade of Environmental Technology Services from the Institute of Nuclear Technology& Radiation Protection **(AKMON)**
   2005-2008, Full cost (100%): € 275,359
7. Development of a fine particulate matter mapping system over the Athens urban area and the estimation of public exposure in Attica
   Regional operational programme for Attika
   2006-2008, Full cost (100%): € 986,000

International Atomic Energy Agency

Participating as National Counterpart for Greece

8. RER/8/009 Air Pollution Monitoring in the Mediterranean Region, 2005-2008
9. RER/2/005 Characterizing Seasonal Variations in Elemental Particulate Matter Concentrations in European Urban and Rural Areas under Different Climatic Conditions, 2009-2011
10. RER/1/008 Supporting Air Quality Management, 2012–2013
11. RER/1/013 Supporting Air Quality Management (Phase II), 2014-2015
12. RER/1/015 Apportioning air pollution sources on a regional scale, 2016-2017

European Commission DG Environment - LIFE+ PROGRAMME

13. Development of A Cost-Efficient Policy Tool for reduction of Particulate Matter in air **(ACEPT-AIR)**

2010-2013, Full cost (50%): € 1,750,000

14. Testing and Development of air quality mitigation measures in Southern Europe **(AIRUSE)**
    2012–2016, Full cost (50%): € 2,368,719
15. Development of an integrated exposure - dose management tool for reduction of particulate matter in air **(INDEX-AIR)**
    2016-2020, Full cost (60%): € 1,352,321

E.U. Commission 7th Framework programme

16. Human EXposure to Aerosol Contaminants in Modern Microenvironments **(HEXACOMM)**
    Marie Curie Initial Training Networks (ITN) (FP7-PEOPLE-2012-ITN)
    2013 – 2016, Full cost (100%): € 3,763,691
17. Enhancing the Capacity for Environmental Technology and Climate Research **(EnTec)**

P7-REGPOT-2011-1

2013-2016, Full cost (100%): € 2,735,973

Hellenic Ministry of Education, Religious Affairs, Culture and Sports

18. Determination of the sources and the physicochemical properties of fine and ultrafine aerosol particles that affect the regional climate of Greece

National Strategic Reference Framework (NSRF) 2007–2013 - THALIS

2012-2016, Full cost (100%): € 600,000

E.U. Commission Horizon 2020 programme

19. The European network for observing our changing planet **(ERA-PLANET)**

SC5-15-2015: Strengthening the European Research Area in the domain of Earth Observation

2016-2020, Full cost (33%): € 50,730,791

European Association of National Metrology Institutes - EMPIR

20. Metrology for light absorption by atmospheric aerosols

2017 - 2019, Full cost (100%): € 896,924

Participation in Networks / Fora

1. ACTRIS - European Research Infrastructure for the observation of Aerosol, Clouds, and Trace gases
2. FAIRMODE - Forum for AIR quality MODElling
3. Demokritos suburban station and Helmos free troposphere station, members of the Global Atmosphere Watch (GAW) / ACTRIS network