

## Prof. Alkiviadis F. Bais – Research Projects

1. BIRA/ESA, External services to FRM4DOAS CCN 02, Principal Investigator, 2020.
2. Ministry of Developments and Investments, Panhellenic infrastructure for Atmospheric composition and climate change, Co-Investigator, 2018.
3. Ministry of Education, Optimization and application of methods for ground-based remote sensing of aerosols and ozone in the lower troposphere for investigating their variability, Principal Investigator, 2018.
4. BIRA/ESA, Participation of AUTH with Phaethon system in CINDI-2 maxDOAS campaign, Principal Investigator, 2016.
5. EURAMET, EMRP Researcher Grant, Traceability for atmospheric total column ozone, Principal Investigator, 2014.
6. EC - FP7-SPACE-2013-1, Quality Assurance for Essential Climate Variables (QA4ECV), Principal Investigator, 2014.
7. EC - CIP-ICT-PSP-2011-5, A single multi-purpose SOA platform that delivers environmental permissions services through the cloud of e-Government services and applications (eEnviper), Principal Investigator, 2012.
8. G.S.R.T. – Cooperation, National solar energy network (HNSE), Coordinator, 2011
9. G.S.R.T. - ARISTEIA I, Optimization and expansion of ground infrastructure for the validation of satellite-derived column densities of atmospheric species (AVANTI), Principal Investigator, 2009.
10. G.S.R.T. – Research Infrastructures, Forum of Scientists for research infrastructure COPAL, Coordinator, 2010.
11. ESA, Building Infrastructure for the validation of satellite derived atmospheric parameters (PHAETHON), Grant holder, 2009.
12. Norwegian Polar Institute - Polar environmental Centre, Albedo effect on UV-Irradiance and Sky-Radiance, Researcher, 2009
13. EC, FP7 - Capacities Specific Programme - Research Infrastructures, Community heavy-payload long endurance instrumented aircraft for tropospheric research in environment and geosciences (COPAL), Principal Investigator, 2008.
14. ESA, Comparison between nitrogen columnar amounts measured from the ground and space (NO2VAL), Principal Investigator, 2007.
15. G.S.R.T., Validation of UV radiation, total ozone and aerosol measurements derived from OMI instrument on board the AURA satellite from the ground in a complex aerosol environment, Coordinator, 2006.
16. EC, COST Action 726, Long term changes and climatology of UV radiation over Europe, Management Committee Member, 2004.
17. EC FP6 RTD & Demonstration, Integrated project Stratosphere-Climate Links with Emphasis on the UTLS – O3 (SCOUT-O3), Principal Investigator and Activity Leader, 2004.
18. Ministry of Education, EPEAEK II, PYTHAGORAS (Environment), Environmental impacts of transported aerosols, Principal Investigator, 2004.
19. G.S.R.T. - EPAN, Development of a national network for solar UV radiation measurements (GR-UVNET), Coordinator, 2003.
20. Ministry of Education, EPEAEK II, HERAKLEITOS (Environment), Investigation of spectral solar UV measurements variations at different time scales, Principal Investigator, 2002.
21. EC Energy, Environment and Sustainable Development Program, Influence of clouds on the spectral actinic flux in the lower troposphere (INSPECTRO), Principal Investigator, 2002.

22. EC Energy, Environment and Sustainable Development Program, Quality Assurance of Spectral Ultraviolet Measurements in Europe Through the Development of a Transportable unit (QASUME), Coordinator, 2001.
23. EC Energy, Environment and Sustainable Development Program, European Database for Ultraviolet Radiation Climatology and Evaluation (EDUCE), Principal Investigator, 2000.
24. EC Energy, Environment and Sustainable Development Program, Actinic Flux Determination from Measurements of Irradiance (ADMIRA), Principal Investigator, 2000.
25. EC Environment and Climate Programme, Photochemical Activity and Ultraviolet Radiation Modulation Factors (PAUR II), Researcher, 1998.
26. EC Standards, Measurements and Testing Programme, Thematic Network for Ultraviolet Measurements, Principal Investigator, 1998.
27. G.S.R.T., Improvement of calibration and data analysis system of the UV radiation network of LAP, Researcher, 1997.
28. EC ENVIRONMENT Programme, Scientific UV Data Management (SUVDAMA), Principal Investigator, 1996.
29. EC ENVIRONMENT Programme, Standardization of Ultraviolet Spectroradiometry in Preparation of a European Network (SUSPEN), Coordinator, 1996.
30. Ministry of Environment, National network of UV-B radiation, Researcher, 1996.
31. EC ENVIRONMENT Programme, Development of Biological Dosimetry Systems for Monitoring the Impact of Solar UVB radiation on the Biosphere and on Human Health (BIO-DOS), Principal Investigator, 1996.
32. EC ENVIRONMENT Programme, Re-evaluation of Umkehr Records (REVUE), 1996.
33. EC ENVIRONMENT Programme, Photochemical Activity and solar Ultraviolet Radiation (PAUR), Researcher, 1996.
34. G.S.R.T., Programme PENED 95, Measurement of vertical ozone distribution with the Umkehr method, Principal Investigator, 1995.
35. EC ENVIRONMENT Programme, Stratospheric ozone and solar activity, Researcher, 1993.
36. EC ENVIRONMENT Programme, Second Stratospheric, Arctic and Midlatitude Experiment (SESAME), Researcher, 1993.
37. EC ENVIRONMENT Programme, Operational Procedures for Co-ordinated UV measurements (CAMSSUM), 1993.
38. G.S.R.T., Programme STRIDE HELLAS, Modelling of UV solar radiation transfer through rural and urban atmospheres and development of a National Network in Greece, Researcher, 1992.
39. G.S.R.T., Programme PENED 91, Measurement of slant columns of air pollutants, Principal Investigator, 1991.
40. CEC, STEP Programme, Determination of standards for a UV monitoring network, Researcher, 1991.
41. CEC STEP Programme, European Arctic Stratospheric Ozone Experiment (EASOE), Researcher, 1991.
42. CMA/WMO project, Revaluation of Total Ozone Records (RETOR), Researcher, 1991.
43. CEC ENVIRONMENT Programme, Coherence of climatic change in Europe, Researcher, 1988.
44. CEC ENVIRONMENT Programme, Reconstruction of the climate of Greece during the last 1000 years, Researcher, 1987.
45. CEC ENVIRONMENT Programme, Urban and non-urban UV magnification factors, Researcher, 1982.