

# KOTRONI Vassiliki

## Personal Information

DATE - PLACE OF BIRTH: 20 November 1965 in Athens, Greece  
PROFESSION: Research Director  
PROFESSIONAL ADDRESS: National Observatory of Athens, Institute of  
Environmental Research and Sustainable Development  
Lofos Koufou, P. Penteli, 15236, Athens, Greece  
Tel : 30 210 8109126, Fax : 30 210 8103236  
E-mail:kotroni@noa.gr

## Academic Qualifications

1993: Ph. D. thesis in Meteorology, University of Clermont Ferrand, France.  
1989: DEA in Meteorology and Oceanography, University Pierre et Marie Curie, Paris  
France.  
1988: B. Sc in Physical Sciences. National University of Athens, Greece.

## Scholarships

1990-1993: Scholarship from the French Ministry of Research and Technology for PhD  
research.

## Professional Experience

- 2011 – today: Director of Research IERSD/National Observatory of Athens, Greece
- 2006 – 2011: Associate Researcher IERSD/National Observatory of Athens, Greece
- 2002 – 2006: Assistant Researcher IERSD/National Observatory of Athens, Greece
- 1999 – 2002: Researcher Grade D, IERSD/National Observatory of Athens, Greece
- 1993-1999: Research Scientist, Laboratory of Meteorology, School of Physics,  
University of Athens, Greece.

## Areas of expertise

Dynamic meteorology, numerical weather prediction, weather monitoring, atmospheric  
electricity, climatology, dynamics and societal impacts of weather related natural hazards.  
Scientific coordinator of operational weather prediction at NOA based on MM5, WRF and  
WRF-CHEM models and of the related activities.  
Scientific coordinator of the ZEUS lightning detection network

## Participation in International Committees

- National Delegate at the following COST (Cooperation Scientifique et Technique)  
European Committees:
  - 1994-1998: COST 617: “Stationary sources of urban air pollutants”
  - 1995-1998: COST 75: “Advanced weather radar systems”
  - 1999-2002: COST 717: “Use of radar observations in hydrological and NWP models”
  - 2017-today: COST: “Atmospheric electricity: coupling with climate and other earth  
system components” (deputy delegate)
- 2003-2004: Member of the National delegation to IPCC (Intergovernmental Panel for  
Climate Change).

- 2004-2006: Member of the European Grid Applications Advisory Board (EGAAP) of the EU.
- 2003-2014: Member of the national committee Hellasgrid (On Grid Computer Applications).
- Member of the Scientific Steering Committee of MEDEX project endorsed by the WMO World Weather Research Program (WWRP) for the study of high impact weather over the entire Mediterranean basin.
- Member of the Scientific Steering Committee of the Plinius Conferences on Mediterranean Storms
- 2013-today: Member of the International Scientific Steering Committee of the HYMEX (HYdrological cycle in Mediterranean EXperiment) project
- 2018-2019: Member of the General Assembly of the Hellenic Foundation for Research and Innovation (<http://www.elidek.gr/en/homepage/>)

## Professional Experience

*2011-now*: Director of Research at the National Observatory of Athens. Main fields of research: meteorology and numerical weather prediction, climatology, lightning, dynamics of severe weather phenomena and societal impacts of severe weather. These studies are based on the application of state-of-the-art regional scale atmospheric modelling systems (MM5, WRF, BOLAM) as well as of observational platforms (satellite, surface networks, lightning networks). Scientific Coordinator of the ZEUS, VLF lightning detection network deployed in Europe. Scientific Coordinator of the operational weather prediction based on MM5 and WRF, WRF-CHEM models at NOA.

*2006-20011*: Senior Researcher (Grade B) at NOA

*2002-2006*: Associate Researcher (Grade C) at NOA

*1999-2002*: Researcher, Grade D' at NOA

*1993-1999*: Acting as a research associate in the Laboratory of Meteorology, University of Athens. Main topics of research: meteorology and atmospheric modelling systems, severe weather phenomena, regional scale transport and transformation of air pollutants, urban air quality.

## Other Activities

### • Editor

2006: Guest Editor of the EGU journal Advances in Geosciences.

2010: Guest Editor of the journal "Earth Science Informatics", Special Issue entitled «Virtual organizations and application services for earth science on grids».

2014-now: Editor in Annales Geophysicae

2015-now: Editor in Natural Hazard and Earth System Sciences

### • Reviewer (International Journals)

Advances in Geosciences

Applied Energy

Atmospheric Environment

Atmospheric Research

Atmospheric Measurement Techniques – Discussions

Bulletin of the American Meteorological Society

Climate Research

Global Nest  
International Journal of Climatology  
Journal of Applied Meteorology and Climatology  
Journal of Atmospheric and Oceanic Technology  
Journal of Climate  
Journal of Geophysical Research  
Journal of Lightning  
Meteorologische Zeitschrift  
Monthly Weather Review  
Natural Hazards and Earth System Sciences  
Physics and Chemistry of the Earth  
Quarterly Journal of the Royal Meteorological Society  
Theoretical and Applied Climatology

• **Reviewer of Scientific proposals**

2000: EU, 5<sup>th</sup> Framework Program  
2004: EU, 6<sup>th</sup> Framework Program  
2004-2006: Greek Secretariat for Research and Technology.  
2006-2008: Cyprus Institute for Promotion of Research.  
2009: EU, 7<sup>th</sup> Framework Program  
2012-2013-2014-2015-2016: ANR, France  
2017: State Scholarships Foundation.  
2017: Israel Science Foundation, Israel  
2017: Fundação para a Ciência e a Tecnologia, Portugal  
2017: National Science Centre, Poland  
2018: EAA Grants

• **Reviewer of Institutes**

2017: Member of the Panel for the evaluation of the Laboratoire Meteorologie Dynamique (LMD), Paris, France

• **Organisation of International Conferences**

1997: Member of the Organising Committee of the international Symposium "Symposium on Regional Weather Prediction on Parallel Computer Environments", 15-17 October 1997, Athens.  
2000: Convenor at the European Geophysical Union General Assembly  
2001-today: Member of the Steering Committee of the EGU (Topical Conference) Plinius Conference on Mediterranean Storms.  
2005: Chair of the Organising Committee of the "7<sup>th</sup> Plinius Conference on Mediterranean Storms", 5-7 October, Rethymno, Crete, Greece.  
2010: Member of the Organising Committee of the "12<sup>th</sup> Plinius Conference on Mediterranean Storms", 1-4 September, Corfu, Greece.  
2012, 2014, 2016: Member of the Scientific Committee of the International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2012 (Athens, 29 May – 1 June 2012), COMECAP 2014 (Heraklion, 28-31 May 2014), COMECAP 2016 (Thessaloniki, 19-21 September 2016).  
2015: Chair of the Organising Committee of the "9<sup>th</sup> Hymex Workshop, 21-25 September, Mykonos, Greece.  
2017, 2018: Member of the Steering Committee of the 10<sup>th</sup> Hymex Workshop (4-7 July 2017, Barcelona, Spain), 11<sup>th</sup> Hymex Workshop (29 May – 2 June 2018, Lecce, Italy).

2018: Member of the Plinius Steering Committee and of the Scientific and program committee, EGU Topical Conference, Montpellier, 9-12 October 2018.

- **Major contributions to the early careers of excellent researchers**

Supervisor of post-doc researchers

- Dr. Eric Defer (2003-2005): now CNRS Researcher at Laboratoire d'Aérodologie, Toulouse, France.
- Dr. Emmanouil Flaounas (2012-2018): now Research Associate at ETH Zurich
- Dr. Theodore Giannaros (2016-now): Research Associate at NOA
- Dr. Athanasios Karagiannidis (2017-now): Research Associate at NOA

Supervision of PhD thesis

- 2006-2010: Dr. N. Mazarakis, University of Patras

Co-supervision of PhD thesis (Member of advisory committee)

- 2008-2014: Dr. O. Sintosi, University of Ioannina
- 2009-2015: Dr. K.M. Fameli, University of Athens
- 2009-2015: Dr. I. Markonis, National Technical University of Athens
- 2014-2018: E. Galanaki, University of Patras
- 2018-today: D. Haskos, University of Ioannina

- **Examples of leadership in industrial innovation or design.**

- Co-coordinator (with Dr. K. Lagouvardos) of the concept, development and operation of **www.meteo.gr**. This activity integrates specialized forecasts and observations over Greece, it was founded in 2002 and during the last years is constantly among the top-5 (in terms of average daily visitors) sites in the Greek internet (ref: [www.ened.gr](http://www.ened.gr)). This activity has been self-financed since 2006 and has attracted funding from the private sector that exceeds in total 4.000.000 Euros.
- Deputy Coordinator of the concept, design and development of the today's largest network of automated surface meteorological stations (**NOAAN**). The network started in 2005 and comprises >375 stations (October 2018). A large number of data has been distributed responding to the needs of the scientific community and of the private sector.
- Coordinator of the **ZEUS** lightning detection network comprising 6 sensors deployed in Europe and northern Africa (operating since 2005). This is among the few instrumentation/equipment that a Greek Institution has deployed in permanent positions outside the Greek territory.

**Citation Report (Web of Science, 13/11/2018)**

*h*-index



**25**

Average citations per item

**16.86**

Sum of Times Cited



**1,989**

Without self citations

**1,555**

### **Publications in International Journals**

1. Kotroni V., and C. Amory-Mazaudier, 1993: "Influence of orographic and canopy conditions on friction velocities observed during frontal events using Doppler sodar observations". *Journal of Applied Meteorology*, **32**, 506-521.
2. Beyrich F., and V. Kotroni, 1993: "Estimation of surface stress over a forest from sodar measurements and its use to parameterize the stable boundary layer height". *Boundary Layer Meteorology*, **66**, 93-103.
3. Bougeault P., A. Jansa Clar, J.L. Attie, I. Beau, B. Benech, R. Benoit, P. Bessemoulin, J.L. Caccia, B. Carissimo, J.L. Champeaux, M. Crochet, A. Druilhet, P. Durand, E. Elkhalfi, A. Genoves, M. Georgelin, K.P. Hoinka, V. Klaus, E. Koffi, V. Kotroni, C. Mazaudier, J. Pelon, M. Petitdidier, Y. Pointin, D. Puech, E. Richard, T. Satomura, J. Stein, and D. Tannhauser, 1993: "The atmospheric momentum budget over a major mountain range: First results of the PYREX field program". *Annales Geophysicae*, **11**, 395-418.
4. Kotroni V. and Lagouvardos K., 1993: "Low-level jet streams associated with atmospheric cold fronts - seven case studies from the FRONTS 87 experiment". *Geophysical Research Letters*, **20**, 1371-1374.
5. Kotroni V., Y. Lemaitre, and M. Petitdidier, 1994: "Dynamics of a low-level jet observed during the FRONTS 87 experiment". *Quarterly Journal of Royal Meteorological Society*, **120**, 277-303.
6. Kotroni V., C. Amory-Mazaudier, and K. Lagouvardos, 1994: "Doppler sodar observations of a cold front during the PYREX experiment: orographic effects". *International Journal of Remote Sensing*, **15**, 489-497.
7. Kotroni V. and Lagouvardos K., 1994: "Dynamic structure and evolution of a prefrontal boundary layer: Three case studies of FRONTS 87". *Atmospheric Research*, **35**, 55-70.
8. Lagouvardos K. and Kotroni V., 1995: "Upper-level frontogenesis: two case-studies from the FRONTS 87 experiment". *Monthly Weather Review*, **123**, 1197-1206.
9. Kotroni V., Lagouvardos K. and Petitdidier M., 1995: "A comparison of wind profiler and sounding observations during a frontal event". *International Journal of Remote Sensing*, **16**, 1685-1695.
10. Kassomenos P., Kotroni V. and Kallos G., 1995: "Analysis of the climatological and air quality observations from the Greater Athens Area". *Atmospheric Environment*, **29**, 3671-3688.

11. Lagouvardos K., Kotroni V., Dobricic S., Nickovic S. and Kallos G., 1996: "On the storm of 21-22 October 1994 over Greece: Observations and model results". *Journal of Geophysical Research*, **101** (D21), 26217-26226.
12. Lagouvardos K., Kotroni V., and Kallos G., 1996: "Exploring the effects of different types of model initialisation: simulation of a severe air-pollution episode in Athens, Greece". *Meteorological Applications*, **3**, 147-155.
13. Kotroni V., Kallos G., and Lagouvardos K., 1997: "Convergence zones over the Greek Peninsula and associated thunderstorm activity". *Quarterly Journal of Royal Meteorological Society*, **123**, 1961-1984.
14. Peleg, M., M. Luria, G. Sharf, A. Vanger, G. Kallos, V. Kotroni, K. Lagouvardos, and M. Varinou, 1997: "Observational Evidence of an Ozone Episode over the Greater Athens Area". *Atmospheric Environment*, **31**, 3969-3983.
15. Kallos G., V. Kotroni, K. Lagouvardos, and A. Papadopoulos, 1998: "On the long-range transport of air pollutants from Europe to Africa". *Geophysical Research Letters*, **25**, No 5, 619-622.
16. Kotroni V., Lagouvardos K., G. Kallos and Y. Lemaitre, 1998: "Modelling study of the IOP2 cold front of FRONTS 87 Experiment". *Meteorological Applications*, **5**, 297-306.
17. Lagouvardos K., V. Kotroni, and G. Kallos, 1998: "An extreme cold surge over the Greek Peninsula". *Quarterly Journal of Royal Meteorological Society*, **124**, 2299-2328.
18. Kotroni V., G. Kallos, K. Lagouvardos, M. Varinou, and R. Walko, 1999: "Numerical simulations of the meteorological and dispersion conditions during an air pollution episode over Athens, Greece". *Journal of Applied Meteorology*, **38**, 432-447.
19. Kotroni V., K. Lagouvardos, G. Kallos, and D. Ziakopoulos, 1999: "Severe flooding over central and southern Greece associated with pre-cold frontal orographic lifting". *Quarterly Journal of Royal Meteorological Society*, **125**, 967-991.
20. Kotroni V., K. Lagouvardos and G. Kallos, 1999: "Model investigation of a cloud band associated with a cold front over Eastern Mediterranean". *Physics and Chemistry of the Earth, Vol. 24*, **6**, 633-636.
21. Lagouvardos K., V. Kotroni, S. Nickovic, D. Jovic, and G. Kallos, 1999: "Observations and model simulations of a winter sub-synoptic vortex over the Central Mediterranean". *Meteorological Applications*, **6**, 371-383.
22. Lagouvardos K. And V. Kotroni, 1999: "Aspects of the 25-26 March 1998 storm over Greece " *Weather*, **54**, 154-160.
23. Lagouvardos, K., V. Kotroni., G. Kallos, and S.T. Rao, 2000: "An analysis of the meteorological and air quality conditions during an extreme ozone episode over the Northeastern USA". *Intenational Journal of Environment and Pollution*, **14**, 364-373.
24. Varinou M., G. Kallos, V. Kotroni, and K. Lagouvardos, 2000: "The influence of the lateral boundaries and background concentrations on limited area photochemical model simulations". *Intenational Journal of Environment and Pollution*, **14**, 354-363.
25. Lagouvardos K., and Kotroni V., 2000: "Use of METEOSAT Water-Vapour images for the diagnosis of a vigorous stratospheric intrusion over Central Mediterranean". *Meteorological Applications*, **7**, 205-210.
26. Wanger A., Peleg M., Sharf G., Mahrer Y., Dayan U., Kallos G., Kotroni V., Lagouvardos K., Varinou M., Papadopoulos A., and Luria M., 2000: "Some observational and modelling evidence of long range transport of air pollutants from

- Europe towards the Israeli coast". *Journal of Geophysical Research*, Vol **105**, No D6, 7177-7186.
27. Kotroni V. and K. Lagouvardos, 2001: Precipitation forecast skill of different convective parameterization and microphysical schemes: application for the cold season over Greece. *Geophysical Research Letters*, Vol. **28**, No 10, 1977-1980.
  28. Kotroni V., K. Lagouvardos and D. Lalas, 2001: The effect of Crete island on the Etesian winds over the Aegean Sea. *Quarterly Journal of Royal Meteorological Society*, **127**, 1917-1938.
  29. Anadranistakis M., K. Lagouvardos, V. Kotroni and K. Skouras, 2002: Combination of Kalman filter and an empirical method for the correction of near-surface temperature forecasts: application over Greece. *Geophysical Research Letters*, Vol. **29**, **16**, 1776-1779.
  30. Koussis A., K. Lagouvardos, K. Mazi, V. Kotroni, D. Sitzmann, J. Lang, H. Zaiss, A. Buzzi, and P. Malguzzi, 2003: Flood forecasts for an urban basin with an integrated hydro-meteorological model. *Journal of Hydrological Engineering*, **8**, 1-11.
  31. Lagouvardos K., V. Kotroni, A. Koussis, C. Feidas, A. Buzzi, P. Malguzzi, 2003: The meteorological model BOLAM at the National Observatory of Athens: assessment of two-year operational use. *Journal of Applied Meteorology*, **42**, 1667-1678.
  32. Anadranistakis M., K. Lagouvardos, V. Kotroni, H. Eleftheriadis, 2004: Correcting temperature and humidity forecasts using kalman filtering: potential for agricultural protection in Northern Greece. *Atmospheric Research*, **71(3)**, 115-125.
  33. Katsanos D., K. Lagouvardos, V. Kotroni and G.J. Huffmann, 2004: Statistical evaluation of MPA-RT high-resolution precipitation estimates from satellite platforms over the Central and Eastern Mediterranean. *Geophysical Research Letters*, **31**, art. no. L06116.
  34. Kotroni V. and K. Lagouvardos, 2004: Evaluation of MM5 high-resolution real-time forecasts over the urban area of Athens, Greece. *Journal of Applied Meteorology*, **43**, 1666-1678.
  35. Medaglia C. M., C. Adamo, F. Baordo, S. Dietrich, S. Di Michele, V. Kotroni, K. Lagouvardos, A. Mugnai, S. Pinori, E. A. Smith, G. J. Tripoli, 2005: Comparing microphysical/dynamical outputs by different cloud resolving models: impact on passive microwave precipitation retrieval from satellite. *Advances in Geosciences*, **2**, 195-199.
  36. Lagouvardos K. and V. Kotroni, 2005: Improvement of high resolution weather forecasts through humidity adjustment, based on satellite data. *Quarterly Journal of Royal Meteorological Society*, **131**, 2695-2712.
  37. Feidas, H., K. Lagouvardos, V. Kotroni, and C. Cartalis, 2005: Application of two satellite infrared techniques in support of precipitation forecasts of a NWP model. *International Journal of Remote Sensing*, **26**, 5393-5417.
  38. Defer E., K. Lagouvardos, and V. Kotroni, 2005: Lightning Activity in Eastern Mediterranean Region", *JGR-Atmospheres*, **110**, D24210.
  39. Kotroni V., K. Lagouvardos, E. Defer, S. Dietrich, F. Porcù, C.M. Medaglia, and M. Demirtas, 2005: The Antalya 5 December 2002 storm: Observations and model analysis. *Journal of Applied Meteorology*, **45**, 576-590.
  40. Lagouvardos K., V. Kotroni, E. Defer, 2006: Synoptic environment related to rapid cyclogenesis in the Eastern Mediterranean, *Advances in Geosciences*, **7**, 115-119.
  41. Mazarakis, N., V. Kotroni, K. Lagouvardos, S. Music, S. Nickovic, 2006: Impact of the assimilation of conventional data on the quantitative precipitation forecasts in the Eastern Mediterranean, *Advances in Geosciences*, **7**, 237-242.

42. Katsanos, D., N. Viltard, K. Lagouvardos, V. Kotroni, 2006: Performance of a rain retrieval algorithm using TRMM data in the Eastern Mediterranean, *Advances in Geosciences*, **7**, 321-325.
43. Katsanos D., K. Lagouvardos, V. Kotroni and A. Argiriou, 2007: Combined analysis of rainfall and lightning data produced by mesoscale systems in the Central and Eastern Mediterranean, *Atmospheric Research*, **83**, 55-63
44. Akylas E., V. Kotroni and K. Lagouvardos, 2007: Sensitivity of high resolution operational weather forecasts to the choice of the planetary boundary layer scheme, *Atmospheric Research*, **84**, 49-57.
45. Mirasgedis S., Y. Sarafidis, E. Georgopoulou, V. Kotroni, K. Lagouvardos, and D. P. Lalas, 2007 : Modeling framework for estimating impacts of climate change on electricity demand at regional level: Case of Greece. *Energy Conversion and Management*, **48**, 1737-1750.
46. Lagouvardos K., and V. Kotroni, 2007: TRMM and lightning observations of a low-pressure system over the Eastern Mediterranean. *Bulletin of the American Meteorological Society*, **88**, 1363–1367.
47. Katsanos D., Lagouvardos K., Kotroni V. and Argiriou A., 2007: Relationship of lightning activity with microwave brightness temperatures and spaceborne radar reflectivity profiles in the Central and Eastern Mediterranean. *Journal of Applied Meteorology*, **46**, 1901-1912.
48. Lagouvardos K., V. Kotroni and E. Defer, 2007: The 21-22 January 2004 explosive cyclogenesis over the Aegean Sea: observations and model analysis. *Quarterly Journal of Royal Meteorological Society*, **133**, 1519-1531.
49. Mugnai A., Eric A. Smith, Gregory J. Tripoli, Stefano Dietrich, Vassiliki Kotroni, Kostas Lagouvardos, and Carlo M. Medaglia, 2008: Explaining discrepancies in passive microwave cloud-radiation databases in microphysical context from two different cloud-resolving models *Meteorology and Atmospheric Physics*, **101**, 127-145.
50. Kotroni V., Lykoudis S, Lagouvardos K., and Lalas D, 2008: A fine resolution regional climate change experiment for the Eastern Mediterranean: analysis of the present climate simulations. *Global and Planetary Change*, **64**, 93-104.
51. Kotroni V., and K. Lagouvardos, 2008: Lightning occurrence in relation with elevation, terrain slope and vegetation cover over the Mediterranean. *JGR-Atmospheres*, **113**, D21118, doi:10.1029/2008JD010605.
52. Bloom A, V. Kotroni and K. Lagouvardos, 2008: Climate change impact of wind energy availability in the Eastern Mediterranean using the regional climate model PRECIS *Natural Hazards and Earth System Sciences (NHESS)*, **8**, 1249-1257
53. Mazarakis N., V. Kotroni, K. Lagouvardos and A.A. Argiriou, 2008: Storms and Lightning Activity in Greece during the Warm Periods of 2003-2006. *Journal of Applied Meteorology and Climatology*, **47**, 3089–3098.
54. Vincendon B., V. Ducrocq , S. Dierer, V Kotroni , M.Lelay , M. Milelli, A. Quesney, G-M. Saulnier, D. Rabuffetti, L. Bouilloud, K. Chancibault, S. Anquetin, K. Lagouvardos, P. Steiner, 2009: Flash Flood Forecasting Within The Preview Project : Value Of High- Resolution Hydrometeorological Coupled Forecast, *Meteorology and Atmospheric Physics*, **103** (1-4), pp. 115-125
55. Petrova S., R. Mitzeva, V. Kotroni, J. Latham and E. Peneva, 2009: Analyses of summer lightning activity and precipitation in the Central and Eastern Mediterranean. *Atmospheric Research*, **91**, 453-458
56. Mazarakis, N., V. Kotroni, K. Lagouvardos and A.A. Argiriou, 2009: The sensitivity of numerical forecasts to convective parameterization during the warm period and the



- use of lightning data as an indicator for convective occurrence. *Atmospheric Research* 94 (4), pp. 704-714.
57. Koletsis I., K. Lagouvardos, V. Kotroni, and A. Bartzokas, 2009: Numerical study of a downslope windstorm in Northwestern Greece. *Atmospheric Research* 94 (2), pp. 178-193.
  58. Katsanos D.K., K. Lagouvardos and V. Kotroni, 2009: Relationship between lightning and model simulated microphysical parameters over the central and eastern Mediterranean, *Natural Hazards and Earth System Sciences (NHESS)*, 9, 1719-1726.
  59. Lagouvardos K., V. Kotroni, H-D Betz and K. Schmidt, 2009: A comparison of lightning data provided by ZEUS and LINET networks over Western Europe. *Natural Hazards and Earth System Sciences*, 9, 1713-1717.
  60. Koletsis I., K. Lagouvardos, V. Kotroni and A. Bartzokas, 2009: The interaction of northern wind flow with the complex topography of Crete Island – Part I: Observational study, *Natural Hazards and Earth System Sciences (NHESS)*, 9, 1845-1855
  61. Yoav Yair, Barry Lynn, Colin Price, Vassiliki Kotroni, Konstantinos Lagouvardos, Efrat Morin, Alberto Mugnai and Maria-Carmen Llasat, 2010: Predicting the potential for lightning activity in Mediterranean storms based on the Weather Research and Forecasting (WRF) model dynamic and microphysical fields. *JGR-Atmospheres*, 115, D04205, doi:10.1029/2008JD010868.
  62. Bartzokas A., V. Kotroni, K. Lagouvardos, C.J. Lolis, A. Gkikas, and M.I. Tsirogianni, 2010: Weather forecast in north-western Greece: RISKMED warnings and verification of MM5 model. *Natural Hazards and Earth System Sciences*, 10, 1–12.
  63. Williams E., W. Lyons, Y. Hobara, V. Mushtak, N. Asencio, R. Boldi, J. Bór, S. Cummer, E. Greenberg, M. Hayakawa, R. Holzworth, V. Kotroni, J. Li, C. Morales I, T. Nelson, C. Price, B. Russell, G. Satori, K. Shirahata, Y. Takahashi, K. Yamashita, 2010: Ground-based detection of sprites and their parent lightning flashes over Africa during the 2006 AMMA campaign. *Quarterly Journal of Royal Meteorological Society*, **136**, 257–271.
  64. Lagouvardos K., E. Floros and V. Kotroni, 2010: A Grid-enabled Regional-scale Ensemble Forecasting System in the Mediterranean. *Journal of Grid Computing*, 8:181–197.
  65. Llasat, M.C., M. Llasat-Botija, M.A. Prat, F. Porcú, C Price, A. Mugnai, K. Lagouvardos, V.Kotroni, D. Katsanos, S. Michaelides, Y. Yair, K. Savvidou, K. Nicolaides, 2010: High-impact floods and flash floods in Mediterranean countries: the FLASH preliminary database. *Advances in Geosciences*, 23, 47-55
  66. Harats, N.; Ziv, B.; Kotroni, V.; Yair, Y.; Lynn, B.; Dayan, U., 2010: Lightning and rain dynamic indices as predictors for flash floods events in the Mediterranean, *Advances in Geosciences*, 23, 57-64.
  67. Savvidou K., K. Lagouvardos, S. Michaelides, V. Kotroni, and P. Constantinides, 2010: Verification of the BOLAM weather prediction model over the area of Cyprus, *Advances in Geosciences*, 23, 93–100.
  68. Bartzokas A., J. Azzopardi, L. Bertotti, A. Buzzi, L. Cavaleri, D. Conte, S. Davolio, S. Dietrich, A. Drago, O. Drofa, A. Gkikas, V. Kotroni, K. Lagouvardos, C.J. Lolis, S. Michaelides, M. Miglietta, A. Mugnai, S. Music, K. Nikolaides, F. Porcù, K. Savvidou, and M.I. Tsirogianni, 2010: The RISKMED project: Philosophy, methods and products. *Natural Hazards and Earth System Sciences*, 10, 1393-1401.
  69. Koletsis I., K. Lagouvardos, V. Kotroni and A. Bartzokas, 2010: The interaction of northern wind flow with the complex topography of Crete Island – Part II: Numerical study, *Natural Hazards and Earth System Sciences*, 10, 1115-1127.

70. Kotroni V., E. Floros, K. Lagouvardos, G. Pejanovic, L. Ilic, and M. Zivkovic, 2010: Multi-model multi-analysis ensemble weather forecasting on the Grid for the South Eastern Mediterranean Region, *Earth Science Informatics*, 3, 209-218.
71. Retalis A., D. Paronis, K. Lagouvardos and V. Kotroni, 2010: The heat wave of June 2007 in Athens, Greece - Part 1: Study of satellite derived land surface temperature. *Atmospheric Research*, 98, 458-46.
72. Kotroni V., K. Lagouvardos, and A. Retalis, 2011: The heat wave of June 2007 in Athens, Greece - Part 2: Modelling study and sensitivity experiments. *Atmospheric Research*, 100, 1-11.
73. Kohn M., E. Galanti, C. Price, K. Lagouvardos and V. Kotroni, 2011: Now-Casting Thunderstorms in the Mediterranean Region using Lightning Data. *Atmospheric Research*, 100, 489-502.
74. Mazarakis, N., V. Kotroni, K. Lagouvardos, A.A. Argiriou, and C.J. Anderson, 2011: The sensitivity of warm period precipitation forecasts to various modifications of the Kain – Fritsch Convective Parameterization Scheme. *Natural Hazards and Earth System Science*, 11, 1327-1339.
75. Price C., Yoav Yair, Alberto Mugnai, Kostas Lagouvardos, Maria Carmen Llasat, Silas Michaelides, Stefano Dietrich, Eli Galanti, Luis Garrote, Dimitris Katsanos, Vasso Kotroni, Montserrat Llasat-Botija, Luis Mediero, Efrat Morin, Kleantlis Nicolaides, Keti Savvidou, Baruch Ziv, 2011: The FLASH Project: Using lightning data to better understand and predict flash floods. *Environmental Science & Policy*, 14, 898-911.
76. Price C., Y. Yair, A. Mugnai, K. Lagouvardos, M. C. Llasat, S. Michaelides, U. Dayan, S. Dietrich, F. Di Paola, E. Galanti, L. Garrote, N. Harats, D. Katsanos, M. Kohn, V. Kotroni, M. Llasat-Botija, B. Lynn, L. Mediero, E. Morin, K. Nicolaides, S. Rozalis, K. Savvidou, and B. Ziv, 2011: Using lightning data to better understand and predict flash floods in the Mediterranean. *Surveys in Geophysics* 32 (6), pp. 733-751.
77. Amiridis V., C. Zerefos, S. Kazadzis, E. Gerasopoulos, K. Eleftheratos, M. Vrekoussis, A. Stohl, R.E. Mamouri, P. Kokkalis, A. Papayannis, K. Eleftheriadis, E. Diapouli, I. Keramitsoglou, C. Kontoes, V. Kotroni, K. Lagouvardos, E. Marinou, E. Giannakaki, E. Kostopoulou, C. Giannakopoulos, A. Richter, J.P. Burrows, N. Mihalopoulos, 2012: Impact of the 2009 Attica wild fires on the air quality in urban Athens, *Atmospheric Environment*, 46, pp. 536-544.
78. Sindosi O. A., A. Bartzokas, V. Kotroni and K. Lagouvardos, 2012: Verification of precipitation forecasts of MM5 model over Epirus, NW Greece, for various convective parameterization schemes, *Natural Hazards and Earth System Sciences*, 12, 1393-1405.
79. Koutroulis A. G., M. G. Grillakis, I. K. Tsanis, V. Kotroni and K. Lagouvardos, 2012: Lightning activity, rainfall and flash flooding. Occasional or interrelated events? A case study in the island of Crete, *Natural Hazards and Earth System Sciences*, 12, 881-889.
80. Mazarakis, N., V. Kotroni, K. Lagouvardos, L. Bertotti, 2012: High resolution wave model validation over the Greek maritime areas, *Natural Hazards and Earth System Sciences*, 12, 3433-3440.
81. Papagiannaki K., K. Lagouvardos, and V. Kotroni, 2013: A database of high-impact weather events in Greece: a descriptive impact analysis for the period 2001-2011, *Natural Hazards and Earth System Sciences*, 13, 727-736.
82. Pateraki, St., V D Assimakopoulos, Th Maggos, K M Fameli, V Kotroni, Ch Vasilakos, 2013: Particulate matter pollution over a Mediterranean urban area. *Science of the Total Environment*, 463-464, 508-524.
83. Lagouvardos, K., V. Kotroni, E. Defer and O. Bousquet, 2013: Study of a heavy

- precipitation event over southern France, in the frame of HYMEX project: Observational analysis and model results using assimilation of lightning. *Atmospheric Research, Volume 134, 1 December 2013, Pages 45-55.*
84. Fameli K.M., Assimakopoulos V.D., Kotroni V., Retalis A., 2013: "Effect of the land use change characteristics on the air pollution patterns above the greater Athens area (GAA) after 2004", *Global Nest Journal*, vol. 15, 2, 169-177.
  85. Kotroni V., K. Lagouvardos, and S. Lykoudis, 2014: High-resolution model-based wind atlas for Greece, *Renewable & Sustainable Energy Reviews*, 30, 2014, 479–489.
  86. Petrova S., R. Mitzeva and V. Kotroni, 2014: Summer-time lightning activity and its relation with precipitation: diurnal variation over Maritime, Coastal and Continental Areas, *Atmospheric Research*. *Atmospheric Research*, 135–136, 388–396.
  87. Jansa A., P. Alpert, P. Arbogast, A. Buzzi, B. Ivancan-Picek, V. Kotroni, M. C. Llasat, C. Ramis, E. Richard, R. Romero, and A. Speranza, 2014: MEDEX: a general overview. *Natural Hazards and Earth System Sciences*. 14, 1965–1984.
  88. Drobinski, P., V. Ducrocq, J.T. Allen, P. Alpert, E. Anagnostou, K. Béranger, M. Borga, I. Braud, A. Chanzy, S. Davolio, G. Delrieu, A. Dörnbrack, C. Estournel, N. Filali Boubrahmi, J. Font, M. Gacic, V. Grubisic, E. Grunfest, S. Gualdi, H. Hoff, B. Ivancan-Picek, C. Kottmeier, V. Kotroni, K. Lagouvardos, P. Lionello, M.C. Llasat, W. Ludwig, C. Lutoff, A. Mariotti, A. Montanari, E. Ozoy, C. Prigent, E. Richard, R. Romero, R. Rotunno, I. Ruin, V.H. Santaner, 9 D. Sauri, S. Somot, I. Taupier-Letage, R. Therrien, J. Tintore, R. Uijlenhoet, and H. Wernli, 2014: HyMeX, a 10-year multidisciplinary program on the Mediterranean water cycle. *Bull. Amer. Meteor. Soc.*, **95**, 1063–1082.
  89. Koletsis I., V. Kotroni and K. Lagouvardos, 2014: A model-based study of the wind regime over Corinthian Gulf in Greece. *Natural Hazards and Earth System Sciences*, 14, 459-472.
  90. Flaounas, E., V. Kotroni, K. Lagouvardos, and I. Flaounas, 2014: Identifying and tracking cyclones based on relative vorticity patterns and evolution: Application on Atlantic and Mediterranean cyclones. *Geoscientific Model Development*, 7, 1841–1853.
  91. Papagiannaki, K., K. Lagouvardos, V. Kotroni, and G. Papagiannakis, 2014: Agricultural losses related to frost events: use of the 850 hPa level temperature as an explanatory variable of the damage cost. *Natural Hazards and Earth System Sciences*, 14, 2375-2386.
  92. Sindosi O., A. Bartzokas, V. Kotroni and K. Lagouvardos, 2015: Influence of orography on precipitation amount and distribution in NW Greece; a case study. *Atmospheric Research*, 2015, 105-122.
  93. Giannaros, Th, V. Kotroni, K. Lagouvardos, 2015: Predicting Lightning Activity in Greece with the Weather Research and Forecasting (WRF) Model. *Atmospheric Research*, 156, 1-13.
  94. Defer, E., Pinty, J.-P., Coquillat, S., Martin, J.-M., Prieur, S., Soula, S., Richard, E., Rison, W., Krehbiel, P., Thomas, R., Rodeheffer, D., Vergeiner, C., Malaterre, F., Pedeboy, S., Schulz, W., Farges, T., Gallin, L.-J., Ortéga, P., Ribaud, J.-F., Anderson, G., Betz, H.-D., Meneux, B., Kotroni, V., Lagouvardos, K., Roos, S., Ducrocq, V., Roussot, O., Labatut, L., and Molinié, G., 2015: An overview of the lightning and atmospheric electricity observations collected in southern France during the HYdrological cycle in Mediterranean EXperiment (HyMeX), *Special Observation Period 1, Atmos. Meas. Tech.*, 8, 649-669, doi:10.5194/amt-8-649-2015.
  95. Flaounas E., Vassiliki Kotroni, Kostas Lagouvardos, Stelios Kazadzis, Antonis Gkikas, Nikolaos Hatzianastassiou, 2015: Cyclones contribution to dust transport over the

- Mediterranean region, *Atmospheric Science Letters*, 16, 473-478, DOI: 10.1002/asl.584.
96. Galanaki V., Vassiliki Kotroni, Konstantinos Lagouvardos, and Athanassios Argiriou, 2015: A ten-year analysis of lightning activity over the Eastern Mediterranean. *Atmospheric Research*, 166, 213-222.
  97. Papagiannaki K., K. Lagouvardos, V. Kotroni, and A. Bezes, 2015: Flash flood occurrence and relation to the rainfall hazard in a highly urbanized area. *NHESS*, doi:10.5194/nhess-15-1859-2015.
  98. Kosmopoulos, P., Stelios Kazadzis, Kostas Lagouvardos, Vassiliki Kotroni, Alkiviadis Bais, 2015: Solar Energy prediction and verification using operational model forecasts and ground-based solar measurements, *Energy*, 93, 1918-1930.
  99. Karagiannidis A., K. Lagouvardos, V. Kotroni, 2016: The use of lightning data and Meteosat Infrared imagery for the nowcasting of lightning activity. *Atmospheric Research*, 168 (2016) 57–69, doi: 10.1016/j.atmosres.2015.08.011.
  100. Flaounas E., Lagouvardos Konstantinos, Kotroni Vassiliki, Claud Chantal, Delanoe Julien, Flamant Cyrille, Madonna Erica, Wernli Heini, 2015: Processes leading to heavy precipitation associated with two Mediterranean cyclones observed during the HyMeX SOP1. *Quarterly Journal of the Royal Meteorological Society*. DOI:10.1002/qj.2618.
  101. Giannaros, Th, V. Kotroni, K. Lagouvardos, 2016: WRF-LTNGDA: A Lightning Data Assimilation Technique Implemented In The Wrf Model For Improving Precipitation Prediction. *Environmental Modelling & Software*, 76, 54-68.
  102. Proestakis, E., Stelios Kazadzis, Konstantinos Lagouvardos, Vassiliki Kotroni, Andreas Kazantzidis, 2016: Lightning activity and aerosols in the Mediterranean region. *Atmospheric Research*, 170, 66-75.
  103. Koletsis I., T. M. Giannaros, K. Lagouvardos, and V. Kotroni, 2016: Observational and numerical study of the Vardaris wind regime in Northern Greece. *Atmospheric Research*, 171, 107–120.
  104. Koletsis I., V. Kotroni, K. Lagouvardos, T. Soukissian, 2016: Assessment of offshore wind speed and power potential over the Mediterranean and the Black Seas under future climate changes, *Renewable & Sustainable Energy Reviews*, 60, 234–245.
  105. Kotroni V. and K. Lagouvardos, 2016: Lightning in the Mediterranean and its relation with sea-surface temperature. *Environmental Research Letters*, 11, 034006.
  106. Drobinski Ph., Nicolas Da Silva, Jeremy Panthou, Sophie Bastin, Caroline Muller, Bodo Ahrens, Marco Borga, Dario Conte, Giorgia Fosser, Filippo Giorgi, Ivan Guttler, Vassiliki Kotroni, Laurent Li, Efrat Morin, Baris Onol, Pere Quintana-Segui, Raquel Romera and Torma Csaba Zsolt, 2016: Temperature-precipitation extremes relationship in the Mediterranean: past climate assessment and projection in anthropogenic scenarios. *Climate Dynamics*, DOI 10.1007/s00382-016-3083-x.
  107. Caralis, George, Panagiotis Chaviaropoulos, Virginia Ruiz Albacete, Danae Diakoulaki, Vassiliki Kotroni, Konstantinos Lagouvardos, Zhiqiu Gao, Arthouros Zervos, Kostas Rados, 2016: Lessons learnt from the evaluation of the feed-in tariff scheme for offshore wind farms in Greece using a Monte Carlo approach. *J. Wind Eng. Ind. Aerodyn.*, 157, 63–75
  108. Galanaki E, E. Flaounas, V. Kotroni, K. Lagouvardos and A. Argiriou, 2016: Lightning activity in the Mediterranean: Quantification of cyclones contribution and relation to their intensity. *Atmospheric Science Letters*, 17, 519-516.
  109. Proestakis, E., Stelios Kazadzis, Konstantinos Lagouvardos, Vassiliki Kotroni, Vassilis Amiridis, Eleni Marinou, Colin Price and Andreas Kazantzidis, 2016: Aerosols and lightning activity: the effect of vertical profile and aerosol type. *Atmospheric*

Research, 182, 243-255.

110. Karagiannidis A., K. Lagouvardos, V. Kotroni, and N. Mazarakis, 2016: Investigation of single-cell thunderstorms lightning activity using METEOSAT rapid scan infrared imagery. *International Journal of Remote Sensing*, 37:20, 5001-5020.
111. Kochilakis Giorgos, Dimitris Poursanidis, Nektarios Chrysoulakis, Vassiliki Varela, Vassiliki Kotroni, Giorgos Eftychidis, Kostas Lagouvardos, Chrysoula Papathanasiou, George Karavokyros, Maria Aivazoglou, Christos Makropoulos, Maria Mimikou, 2016: A web based DSS for the management of floods and wildfires (FLIRE) in urban and periurban areas, *Environmental Modelling & Software*, 86, 111-115.
112. Feidas Haralambos, Federico Porcu, Silvia PucaAngelo Rinollo, Constantinos Lagouvardos, Vasiliki Kotroni, 2016: Validation of the H-SAF precipitation product H03 over Greece using rain gauge data. *Theoretical and Applied Climatology*, doi:10.1007/s00704-016-1981-9.
113. Dafis S., K. Lagouvardos, V. Kotroni, Th. M Giannaros, A. Bartzokas, 2017: Observational and modelling study of a mesoscale convective system during the hymex - sop1. *Atmospheric Research*, 187, 1–15.
114. Giannaros M. Th., K. Lagouvardos, and V. Kotroni, 2017: Performance evaluation of an operational lightning forecasting system in Europe. *Natural Hazards*, 85, 1-18.
115. Lagouvardos K., V. Kotroni, A. Bezes, I. Koletsis, T. Kopania, S. Lykoudis, N. Mazarakis, K. Papagiannaki, and S. Vougioukas, 2016: The Automatic Weather Stations Network of the National Observatory of Athens: Operation and Database. *Geoscience Data Journal*, doi: 10.1002/gdj3.44.
116. Papagiannaki Katerina, Vassiliki Kotroni, Kostas Lagouvardos, Isabelle Ruin, Antonis Bezes, 2017: Urban areas response to flash flood-triggering rainfall, featuring human behavioural factors: The case of 22 October, 2015, in Attica, Greece. *Weather, Climate and Society*, 9,621-638.
117. Flaounas E., V. Kotroni, K. Lagouvardos, M. Klose, C. Flamant, and T. Giannaros, 2017: Sensitivity of the WRF-Chem model to different dust emission parametrisation: Assessment in the broader Mediterranean region. *Geoscientific Model Development*, 10, 2925-2945.
118. Giannaros, Theodore, Vassiliki Kotroni, Konstantinos Lagouvardos, Ioannis Liabotis, Gavriil Mavrelis, Panagiotis Symeonidis, Theodoros Vakkas, 2017: Ultra-high-resolution wind forecasting for the Sailing Events at the Rio de Janeiro 2016 Summer Olympic Games. *Meteorological Applications*. DOI: 10.1002/met.1672
119. Flaounas Emmanouil, Ph.D.; Vassiliki Kotroni; Konstantinos Lagouvardos; Suzanne Gray; Jean-François Rysman; Chantal Claud, 2017: Heavy rainfall in Mediterranean cyclones, Part I: Contribution of deep convection and warm conveyor belt. *Climate Dynamics*, DOI 10.1007/s00382-017-3783-x.
120. Soukissian Takvor, Flora Karathanasi, Panagiotis Axaopoulos, Evangelos Voukouvalas, Vassiliki Kotroni, 2017: OFFSHORE WIND CLIMATE ANALYSIS AND VARIABILITY IN THE MEDITERRANEAN SEA. *Int. Journal of Climatology*, DOI: 10.1002/joc.5182.
121. Galanaki E, K. Lagouvardos, V. Kotroni, E. Flaounas, and A. Argiriou, 2018: Thunderstorm climatology in the Mediterranean using cloud-to-ground lightning observations. *Atmospheric Research*, *Atmospheric Research*, 207, 136-144.
122. Michaelides Silas, Theodore Karacostas, Jose Luis Sánchez, Adrianos Retalis, Ioannis Pytharoulis, Víctor Homar, Romualdo Romero, Prodromos Zanis, Christos Giannakopoulos, Johannes Bühl, Albert Ansmann, Andrés Merino, Pablo Melcón, Konstantinos Lagouvardos, Vassiliki Kotroni, Adriana Bruggeman, Juan Ignacio

- López-Moreno, Claude Berthet, Eleni Katragkou, Filippos Tymvios, Diofantos G. Hadjimitsis, Rodanthi-Elisavet Mamouri, Argyro Nisantzi, 2018: Reviews and perspectives of high impact atmospheric processes in the Mediterranean, *Atmospheric Research*, 208, 4-44.
123. Gatidis Ch., Ch. Lolis, K. Lagouvardos, V. Kotroni, A. Bartzokas, 2018: On the seasonal variability and the spatial distribution of lightning activity over the broader Greek area and their connection to atmospheric circulation. *Atmos. Research*, 208, 180-190.
124. Giannaros, Theodore, Vassiliki Kotroni, Konstantinos Lagouvardos, and Matzarakis Andreas, 2018: Climatology and trends of the Mediterranean thermal bioclimate. *International Journal of Climatology*, DOI: 10.1002/joc.5501.
125. Petrucci Olga, Katerina Papagiannaki, Luigi Aceto, Laurent Boissier, Vassiliki Kotroni, Miquel Grimalt, Maria Carmen Llasat, Montserrat Llasat-Botija, Joan Rosselló, Angela Aurora Pasqua, Freddy Vinet, 2018: MEFF: the database of Mediterranean Flood fatalities (1980 to 2015), *Journal of Flood Risk Management*, DOI: 10.1111/jfr3.12461.
126. Dafis S., Fierro A., Giannaros Th. M., Lagouvardos K., Kotroni V., Mansell E, 2018: Exploring the skill of explicit lightning forecasting. *JGR*, <https://doi.org/10.1029/2017JD027930>.
127. Giannaros, Theodore, Vassiliki Kotroni, Konstantinos Lagouvardos, and Matzarakis Andreas, 2018: Operational forecasting of human-biometeorological conditions. *International Journal of Biometeorology*. (in press)

## Coordination of projects

Title	Duration	Budget (Euros)
<b>COORDINATOR OF INTERNATIONAL PROJECTS</b>		
1. « Drought and fire observatory and early warning system (DISARM)». Funding: Transnational Cooperation Programme Interreg Balkan-Mediterranean 2014-2020	2017-2019	1.028.000 (NOA: 356.000)
<b>PARTNER IN INTERNATIONAL PROJECTS</b>		
1. «EURORISK.PREVIEW». Funding : Programme Aeronautic & Space second call, area GMES	2005-2008	162858
2. «Weather Risk Reduction in the Central and Eastern Mediterranean - RISKMED». Funding: INTERREG III, STRAND B – ARCHIMED.	2006-2008	101100
3. «SEE-GRID eInfrastructure for Regional eScience». Funding: INFRA-2007-1.2.2, Integrating Activities – ICT-based e-Infrastructures.	2008-2010	48742
4. «Floods and Fire risk assessment and management - FLIRE». Funding: LIFE11 ENV/GR/975.	2012-2015	131117
5. «VRE for regional Interdisciplinary communities in Southeast Europe and the Eastern Mediterranean - VI-SEEM». Funding: H2020-EINFRA-2014-2015.	2015-2018	60000
6. « Cyclone processes leading to extreme rainfall in	2016-2018	152.000

the Mediterranean region — ExMeCy» Funding:  
H2020-MSCA-IF-2014.

7. « Climate change management through adaptation and mitigation— AdaptTM» Funding: Erasmus+ Programme.	2017-2020	10640
<b>COORDINATOR OF NATIONAL PROJECTS</b>		
1. “Improvement of prediction of meteorological and climate parameters in the Eastern Mediterranean”, Excellency in Greek Research Centres, Funding: Greek Secretariat for Research and Technology	2002-2005	500000
2. “Rainfall estimation by satellites and combined use with numerical weather prediction models”. Funding: Greek Secretariat for Research and Technology, Joint research and technology programs.	2002-2005	17500
3. “Improvement of forecasting of severe weather events in the Central and Easter Meditteranean“. Funding: Committee on the Challenges of Modern Society/CCMS - NATO	2002-2005	16.000
4. «Precipitation observation, and estimation of the hydrological budget over the Mornos basin». Funding: Athens Water Supply and Sewerage Company (EYDAP SA).	2012-2013	105000
<b>PARTNER IN NATIONAL PROJECTS</b>		
1. “Hellas HPC”, Funding: Greek Secretariat for Research and Technology	2010	3000
<b>OUTREACH – EDUCATIONAL PROJECTS</b>		
1. “Educational Programme for the Secondary Education: Peri Anemon & Ydaton”	2016-now	38.700
<b>PRIVATE SECTOR FUNDING</b>		
1. “Weather Forecasting over the Greek Road Network”, Funding: INTERAMERICAN	2012-2013	25000
2. “Severe Weather events over the Greek Road Network”, Funding: INTERAMERICAN	2017-2018	30800
3. “Weather forecasts for the private sector, weather related applications and info, www.meteo.gr.	2006-now	2.000.000
<b>TOTAL ATTRACTED FUNDING AT NOA: 3.720.000</b>		