

**Ioannis LEMESIOS**

Environmental Manager M.Sc., Phd Candidate

+302108109209, +306945079228

email: [jlemesios@noa.gr](mailto:jlemesios@noa.gr)**STUDIES**

- 9/2016 – present: Ph.D. Candidate in Climate Change Adaptation, School of Chemical Engineering, National Technical University of Athens, Greece  
Subject of Ph.D.: Assessment of vulnerability and adaptation opportunities to climate change of major economic sectors in Greece such as agriculture and tourism
- 10/2020 – present: M.Sc. Candidate in Geo-informatics. Geography Department, Harokopio University of Athens, Greece
- 2019: Integrated Master in Environmental and Natural Resources Management. Department of Environmental Engineering, University of Patras, Greece
- 2005 – 2008: M.Sc. in Environmental Sciences, University of Patras, Greece
- 1999 – 2004: B.Sc. in Environmental Management, University of Ioannina, Greece

**PROFESSIONAL EXPERIENCE**

- 2011 – present: Science Associate at IERSD/National Observatory of Athens <http://www.meteo.noa.gr/index.html>. Implementation of research/scientific projects in the field of Climate Change Impacts and Adaptation with the use of geo-information tools  
Participation to the below European Projects:
  - **LIFE URBANPROOF**: Climate Proofing Urban Municipalities (LIFE15 CCA/CY/000086), 2016-2021, €1.85m. Coordinator: Ministry of Agriculture, Rural Development and Environment of Cyprus
  - **LIFE-IP ADAPTINGR**: Boosting the implementation of adaptation policy across Greece (LIFE17 IPC/GR/000006), 2019-2026, €14.2m. Coordinator: Ministry of Environment and Energy of Greece
  - **LIFE ADAPT2CLIMA**: Adaptation to Climate change Impacts on the Mediterranean islands' Agriculture (LIFE14 CCA/GR/000928), 2015-2019, € 1,5m. Coordinator: National Observatory of Athens, Greece.
  - **EXTREMA**: EXTREme tEMperature Alerts for Europe. EU DG ECHO project (GA 783180), 2018-2019, €572k. Coordinator: National Observatory of Athens, Greece
  - **TREASURE**: Thermal Risk rEduction Actions and tools for SecURE cities. EU ECHO project (ECHO/SUB/2014/695561), 2015-2017, € 544k. Coordinator: National Observatory of Athens, Greece.
  - **TRIBUTE**: TRigger BUffer zones for inundaTion Events. EU DG ECHO project (ECHO/SUB/2016/742480/PREV08), 2017-2018, €565k. Coordinator: National Technical University of Athens, Greece
  - **CYPADAPT**: Development of a national strategy for adaptation to climate change adverse impacts in Cyprus. EU LIFE+ project, 2011-2014, € 1,36m. Coordinator: Department of Environment, Ministry of Agriculture, Rural Development and Environment, Republic of Cyprus.

- 2010 – 2011: Scientific Staff at the NGO HELMEPA (Hellenic Marine Environment Protection Association), <http://www.helmepa.gr/en/index.php>. Coordinator of HELMEPA Cadets project.
- 2010 – 2011: Freelance scientific worker at “iForce Communications S.A.”, <http://iforce.gr/company.html>. Scientific coordinator of the Awareness & Information project of the National Marine Park of Alonnisos and Northern Sporades’ Management Body
- 2008 – 2010: Scientific consultant at “Agenda”, Environmental Communication Company. Participation in Awareness & Information projects of various protected areas in Greece.
- 2005 – 2006: Research Assistant at Hydrogeology Laboratory, University of Patras, Greece. Participation in the project entitled “Investigation of therapeutical natural resources of the broad area of Mesologgi – Etoliko lagoons”.

## PUBLICATIONS

Varotsos, K.V., Karali, A., **Lemesios, G.** et al. Near future climate change projections with implications for the agricultural sector of three major Mediterranean islands. *Reg Environ Change* 21, 16 (2021). <https://doi.org/10.1007/s10113-020-01736-0>

Kotroni, V.; Cartalis, C.; Michaelides, S.; Stoyanova, J.; Tymvios, F.; Bezes, A.; Christoudias, T.; Dafis, S.; Giannakopoulos, C.; Giannaros, T.M.; Georgiev, C.; Karagiannidis, A.; Karali, A.; Koletsis, I.; Lagouvardos, K.; **Lemesios, I.**; Mavrakou, T.; Papagiannaki, K.; Polydoros, A.; Proestos, Y. DISARM Early Warning System for Wildfires in the Eastern Mediterranean. *Sustainability* 2020, 12, 6670. <https://doi.org/10.3390/su12166670>

Christina Papadaskalopoulou, Marco Moriondo, **Ioannis Lemesios**, Anna Karali, Angeliki Konsta, Camilla Dibari, Lorenzo Brilli, Konstantinos V. Varotsos, Andreas Stylianou, Maria Loizidou, Marinos Markou, Christos Giannakopoulos (2020) Assessment of Total Climate Change Impacts on the Agricultural Sector of Cyprus. *Atmosphere* 2020, 11, 608; doi:10.3390/atmos11060608

Iphigenia Keramitsoglou, Panagiotis Sismanidis, Antonis Analitis, Tayrne Butler, Dimitra Founda, Christos Giannakopoulos, Eleni Giannatou, Anna Karali, Klea Katsouyanni, Vladimir Kendrovski, **Giannis Lemesios**, Eleni Myrivili, Dolores Ordoñez, Konstantinos V. Varotsos, Georgia Vlastou, Chris T. Kiranoudis (2017) Urban thermal risk reduction: Developing and implementing spatially explicit services for resilient cities. *Sustainable Cities and Society*, 34(Supplement C), 56–68. <https://doi.org/10.1016/j.scs.2017.06.006>

**Lemesios G**, Giannakopoulos C, Papadaskalopoulou C, Karali A. Varotsos VK, Moustakas K, Malamis D, Ioannou K, Zachariou-Dodou M, Petrakis M, Mesimeris T, Loizidou M (2016) Future heat-related climate change impacts on tourism industry in Cyprus. *Regional Environmental Change* pp 1–13. doi: 10.1007/s10113-016-0997-0.

Christos Giannakopoulos, Basilis Psiloglou, **Giannis Lemesios**, Dimitris Xevgenos, Christina Papadaskalopoulou, Anna Karali, Konstantinos V Varotsos, Maria Zachariou-Dodou, Konstantinos Moustakas, Kyriaki Ioannou, Michael Petrakis, Maria Loizidou (2016) Climate change impacts, vulnerability and adaptive capacity of the electrical energy sector in Cyprus. *Regional Environmental Change* pp 1-14. doi: 10.1007/s10113-015-0885-z.

Christos Giannakopoulos, Anna Karali, Vassilis Psiloglou, **Giannis Lemesios** (2015) Heat-related impacts of climate change in the East Mediterranean. *Journal of the Black Sea/Mediterranean Environment*. Special Issue pp 37-40.

Christina Papadaskalopoulou, Christos Giannakopoulos, **Giannis Lemesios**, Maria Zachariou-Dodou & Maria Loizidou (2014) Challenges for water resources and their management in light of climate change: the case of Cyprus. *Desalination and Water Treatment* 53:3224-3233. doi: 10.1080/19443994.2014.933619

Kalavrouziotis I, Sakellariou-Makrantonaki, Vagenas IN, **Lemesios I** (2006) Assessment of water requirements of crops for the reuse of municipal wastewaters from the wastewater treatment plant at Patras, Greece. *International Journal of Environment and Pollution* 28:485-495. doi: 10.1504/IJEP.2006.011224

#### PRESENTATIONS TO CONFERENCES

Zagana E, **Lemesios I**, Charalambopoulos S, Katsanou K, Stamatis G, Lambrakis N. (2010) Environmental – Hydrogeological investigations on the clay deposits in the broad area of Mesologgi – Aitoliko lagoons. 12th International Congress of the Geological Society of Greece. Conference and Cultural Centre of the University of Patras. May 19th-22nd 2010

C. Giannakopoulos, C. Papadaskalopoulou, **G. Lemesios**, D. Xevgenos, B. Psiloglou, T. Kopania, M. Petrakis, and M. Loizidou (2013) Future climate change impact, vulnerability and adaptation assessment for the island state of Cyprus (Poster). 13<sup>th</sup> EMS Annual Meeting & 11th European Conference on Applications of Meteorology (ECAM), 09 – 13 September 2013, Reading, United Kingdom.

**G. Lemesios**, C. Papadaskalopoulou, K. Moustakas, D. Malamis, K. Ioannou, C. Giannakopoulos, M. Petrakis, M. Loizidou (2014) Future heat-related impact assessment of tourism industry to climate change in Cyprus. International Conference ADAPTtoCLIMATE, 27 – 28 March 2014, Filoxenia Conference Centre, Nicosia, Cyprus.

**G. Lemesios**, A. Karali, C. Papadaskalopoulou, S. Pitsari, D. Malamis, K. Ioannou, M. Zachariou-Dodou, C. Giannakopoulos, M. Petrakis, M. Loizidou (2014) Future vulnerability assessment of forest fire sector to climate change impacts in Cyprus. International Conference ADAPTtoCLIMATE, 27 – 28 March 2014, Filoxenia Conference Centre, Nicosia, Cyprus.

C. Giannakopoulos, **G. Lemesios**, M. Petrakis, Th. Kopania, N. Roukounakis (2014) Projection of climate change in Cyprus using a variety selected regional climate models. International Conference ADAPTtoCLIMATE, 27 – 28 March 2014, Filoxenia Conference Centre, Nicosia, Cyprus.

C. Giannakopoulos, V. Psiloglou, **G. Lemesios**, C. Papadaskalopoulou, S. Pitsari, K. Moustakas, K. Ioannou, M. Zachariou-Dodou, M. Petrakis, M. Loizidou (2014) Future vulnerability assessment of public health to heat-related impacts of climate change in Cyprus. International Conference ADAPTtoCLIMATE, 27 – 28 March 2014, Filoxenia Conference Centre, Nicosia, Cyprus.

G. Konstantzos, G. Koutoula, C. Papadaskalopoulou, **G. Lemesios**, K. Moustakas, D. Malamis, T. Mesimeris, M. Zachariou-Dodou, M. Loizidou (2014) Development of a Multi-criteria analysis software tool for the evaluation of climate change adaptation measures. International Conference ADAPTtoCLIMATE, 27 – 28 March 2014, Filoxenia Conference Centre, Nicosia, Cyprus.

C. Papadaskalopoulou, G. Konstantzos, G. Koutoula, **G. Lemesios**, K. Moustakas, D. Malamis, K. Ioannou, M. Zachariou-Dodou, M. Loizidou (2014) Evaluation of climate change adaptation measures in the framework of the National Adaptation Strategy of Cyprus with the use of Multi-criteria analysis. International Conference ADAPTtoCLIMATE, 27 – 28 March 2014, Filoxenia Conference Centre, Nicosia, Cyprus.

V. Psiloglou, **G. Lemesios**, D. Xevgenos, M. Zachariou-Dodou, K. Ioannou, T. Mesimeris, C. Giannakopoulos, M. Petrakis, M. Loizidou (2014) Future vulnerability assessment of energy demand to climate change impacts in Cyprus. International Conference ADAPTtoCLIMATE, 27 – 28 March 2014, Filoxenia Conference Centre, Nicosia, Cyprus.

A. Karali, C. Giannakopoulos, A. Roussos, **G. Lemesios** (2014) Assessing vulnerability of Greek forests to fires within the context of climate change. International Conference ADAPTtoCLIMATE, 27 – 28 March 2014, Filoxenia Conference Centre, Nicosia, Cyprus.

**G. Lemesios**, C. Giannakopoulos, N. Roukounakis, B. Psiloglou, C. Papadaskalopoulou, M. Petrakis and M. Loizidou (2014) Climate change impact assessment for selected urban areas in Cyprus (POSTER). The Mediterranean City 2014, International Conference. 10-11 June 2014, Divani Caravel Hotel, Athens, Greece.

Christos Giannakopoulos, Anna Karali, Vassilis Psiloglou, **Giannis Lemesios** (2014) Heat-related impacts of climate change in the East Mediterranean. Medclivar 2014 Conference. 23-25 June 2014, Cultural and Congress Center, Middle East Technical University (METU), Ankara, Turkey.

Christos Giannakopoulos, Anna Karali, **Giannis Lemesios**, Maria Loizidou, Christina Papadaskalopoulou, Konstantinos Moustakas, Maria Papadopoulou, Marco Moriondo, Marinos Markou, Eleni Hatziyanni and Luigi Pasotti (2016) Adaptation to Climate change Impacts on the Mediterranean islands' Agriculture (ADAPT2CLIMA). EGU General Assembly 2016, 17-22 April 2016, Austria Center Vienna, Austria.

C. Giannakopoulos, A. Karali, V. Tenentes, **J. Lemesios** (2016) Using high resolution CORDEX RCMs to assess impacts on Mediterranean islands' agriculture (Poster). The International Conference on Regional Climate CORDEX 2016. 17-20 May 2016, Aula Magna Stockholm University, Stockholm, Sweden.

Christos Giannakopoulos, Marco Moriondo, Anna Karali, Christina Papadaskalopoulou, Camilla Dibari, Vassiliki Assimakopoulos, **Giannis Lemesios**, Lorenzo Brilli and Konstantinos V. Varotsos (2016) Developing a stakeholder tool to assess impacts and adaptation options for Mediterranean islands' agriculture through climate and crop modeling. 16th EMS Annual Meeting & 11th European Conference on Applied Climatology (ECAC), 12 - 16 September 2016, Stazione Marittima Congress Centre, Trieste, Italy.

Iphigenia Keramitsoglou, Chris T. Kiranoudis, Christos Giannakopoulos, Klea Katsouyanni, Anna Karali, Panagiotis Sismanidis, Antonis Analitis, **Giannis Lemesios** and Vasilis Tenentes (2016) Towards intelligent spatially detailed heatwave risk assessments for authorities and personalised tools for citizens. 16th EMS Annual Meeting & 11th European Conference on Applied Climatology (ECAC), 12 - 16 September 2016, Stazione Marittima Congress Centre, Trieste, Italy.

Christos Giannakopoulos, Maria Papadopoulou, Anna Karali, **Giannis Lemesios**, Konstantinos V. Varotsos, Despoina Charchousi (2016) Developing a stakeholder tool to assess impacts and adaptation options for Mediterranean islands' agriculture through climate and hydrological modeling. MedCLIVAR 2016 conference, 26-30 September 2016, University of Athens, Greece

C. Giannakopoulos, A. Karali, M. Moriondo, C. Papadaskalopoulou, **G. Lemesios**, C. Dibari and M. Papadopoulou (2017) Climate change Impacts and adaptation options in Mediterranean islands'

Agriculture – ADAPT2CLIMA, 3<sup>rd</sup> European Climate Change Adaptation Conference, 5-9 June 2017, Glasgow, Scotland.

Giannakopoulos Christos, Moriondo Marco, Papadopoulou Maria, Karali Anna, **Lemesios Giannis**, Papadaskalopoulou Christina, Varotsos V. Konstantinos, Brilli Lorenzo, Charchousi Despoina (2017) A tool for adaptation to Climate change Impacts on the Mediterranean islands' Agriculture: LIFE ADAPT2CLIMA. Climate Changing Agriculture, International Conference, 29 August – 2 September, 2017, Chania, Greece.

C. Giannakopoulos, K.V. Varotsos, A. Karali, D. Founda, V. Tenentes and **J. Lemesios** (2017) Climate proofing European cities: results from the EU LIFE UrbanProof project. Cities and Climate Conference 2017, 19-21 September 2017, Potsdam, Germany.

Paolo Merante, Marco Moriondo, Christos Giannakopoulos, Maria Papadopoulou, Camilla Dibari, Lorenzo Brilli, Anna Karali, **Giannis Lemesios**, Despoina Charchousi, Christina Papadaskalopoulou, Vassilis Tenentes, Konstantinos V. Varotsos, Giacomo Trombi, Luisa Leolini, Sergi Costafreda-Aumedes (2017) Providing accessible information and adaptation strategies for tackling impacts of climate change on cropping systems: The ADAPT2CLIMA tool. First Agroecology Europe Forum Fostering synergies between movement, science and practice, 25-27 October 2017, Lyon, France.

Christos Giannakopoulos, Marco Moriondo, Maria Papadopoulou, Anna Karali, Konstantinos V. Varotsos, Giannis Lemesios, Christina Papadaskalopoulou, Paolo Merante, Despoina Charchousi (2018) LIFE ADAPT2CLIMA tool: A decision support tool for adaptation to climate change impacts on the Mediterranean islands' agriculture. MEDCLIVAR 2018, September 17-21, Belgrade, Serbia.

Giannakopoulos C., Varotsos K.V., Karali A., **Lemesios J.**, Gratsea M., Tenentes V. (2018) LIFE UrbanProof: current and future climate trends in Mediterranean cities. 14th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP2018, October 15-17, 2018, Alexandroupolis, Greece.

**Giannis Lemesios** (2018) ADAPT2CLIMA tool: A decision support tool for adaptation to climate change impacts on the Mediterranean islands' agriculture, The 2<sup>nd</sup> Climateurope Festival, CLIMATE INFORMATION AT YOUR SERVICE, 17-19 October 2018, Belgrade, Serbia

C. Giannakopoulos and ADAPT2CLIMA team: LIFE ADAPT2CLIMA: Adaptation to climate change impacts on the Mediterranean islands' agriculture, 2nd International Conference ADAPTtoCLIMATE, 24-25 June 2019, Crete, Greece

C. Giannakopoulos, A. Karali, **G. Lemesios**, V. Tenentes, K.V. Varotsos: Future projections of climatic indices relevant to agriculture for Crete, Cyprus and Sicily in the framework of ADAPT2CLIMA project, 2nd International Conference ADAPTtoCLIMATE, 24-25 June 2019, Crete, Greece

C. Papadaskalopoulou, A. Karali, **G. Lemesios**, A. Konsta, D. Charchousi, K.V. Varotsos, M. Markou, P. Merante, M. Moriondo, M. Papadopoulou, C. Giannakopoulos, M. Loizidou: Adapt2clima tool: a decision support tool for supporting adaptation planning in agriculture, 2nd International Conference ADAPTtoCLIMATE, 24-25 June 2019, Crete, Greece

C. Papadaskalopoulou, **G. Lemesios**, A. Karali, K.V. Varotsos, A. Konsta, C. Giannakopoulos, M. Loizidou: Urbanproof tool: a decision support tool for climate proofing urban municipalities, 2nd International Conference ADAPTtoCLIMATE, 24-25 June 2019, Crete, Greece

C. Giannakopoulos, M. Moriondo, M. Papadopoulou, M. Loizidou, A. Karali, K. V. Varotsos, **G.**

**Lemesios**, C. Papadaskalopoulou, P. Merante, D. Charchousi, M. Markou, M. G. Matranga, E. Hatziyanni: LIFE ADAPT2CLIMA tool: A decision support tool for adaptation to climate change impacts on the Mediterranean islands' agriculture, European Climate Change Adaptation Conference (ECCA) 2019, 28-31 May 2019, Lisbon, Portugal

C. Papadaskalopoulou, **G. Lemesios**, A. Karali, K. V. Varotsos, A. Konsta, C. Giannakopoulos, M. Loizidou: LIFE UrbanProof tool: A decision support tool for climate proofing urban municipalities, European Climate Change Adaptation Conference (ECCA) 2019, 28-31 May 2019, Lisbon, Portugal

A. Karali, C. Giannakopoulos, **G. Lemesios**, V. Tenentes, V. Kotroni, K. Papagiannaki: Future fire risk projections for south-eastern Europe in the framework of DISARM project, EMS 2019, 9–13 September 2019, Copenhagen, Denmark.

### COMPUTING SKILLS

Geographic Information Systems: ArcMap, ArcGIS Pro, QGIS

Geospatial imagery tools: ENVI, SNAP

Database management systems: Postgresql, PostGIS