

Ioannis Sofiadis

Mathematician - Climatologist

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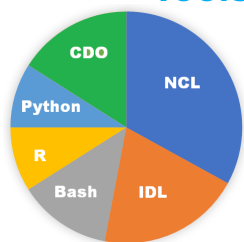
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Tools



Languages

Greek ★★★★★
English ★★★★★

1 Education

- 2018 - **PhD candidate** [Aristotle University of Thessaloniki, Greece](#)
PhD title: "The impact of land cover changes on the European climate using regional climate models"
- 2015-2017 **Master's Degree in Meteorology, Climatology & Atmospheric Environment** [Aristotle University of Thessaloniki, Greece](#)
- 2009-2013 **Bachelor's Degree in Mathematics** [Aristotle University of Thessaloniki, Greece](#)

2 Participation in projects

- 2018- **WCRP-CORDEX Flagship Pilot Study "LUCAS-Land Use & Climate Across Scales"-Impact of land use changes on climate in Europe across spatial and temporal scales.**
- 2018-2019 **IKYDA 2018**
State Scholarship Foundation(IKY) & German Academic Exchange Service(DAAD), Greece-German bilateral cooperation."Impact of Land Use Changes on regional and local climate in Europe: present and future climate projections(LUCE)".

3 Awards & Scholarships

Scholarship of Excellence, Hellenic Institute for Research and Innovation (ELIDEK Scholarship for PhD Candidates).

Swiss Government Excellence Scholarship for Foreign Scholars for the 2019-2020 academic year (ETH Zurich).

MedCLIVAR best poster award for the study: "Climatic impact of an extreme land cover change scenario on the Mediterranean region", Belgrade, Serbia, September 19-21, 2018.

4 Publications

Publications in peer review journals

- M. Breil, D. Rechid, E.L. Davin, N. de Noblet-Ducoudré, E. Katragkou, R.M. Cardoso, P. Hoffmann, L.L. Jach, P.M.M. Soares, **G. Sofiadis**, S. Strada, G. Strandberg, M.H. Tölle, K. Warrach-Sagi, The opposing effects of re/af-forestation on the diurnal temperature cycle at the surface and in the lowest atmospheric model level in the European summer. *J. Climate*, doi: <https://doi.org/10.1175/JCLI-D-19-0624.1>
- Davin, E. L., Rechid, D., Breil, M., Cardoso, R. M., Coppola, E., Hoffmann, P., Jach, L. L., Katragkou, E., de Noblet-Ducoudré, N., Radtke, K., Raffa, M., Soares, P. M. M., **Sofiadis, G.**, Strada, S., Strandberg, G., Tölle, M. H., Warrach-Sagi, K., and Wulfmeyer, V.: Biogeophysical impacts of forestation in Europe: first results from the LUCAS (Land Use and Climate Across Scales) regional climate model intercomparison, *Earth Syst. Dynam.*, 11, 183–200, <https://doi.org/10.5194/esd-11-183-2020>, 2020.
- Fita, L., Polcher, J., Giannaros, T. M., Lorenz, T., Milovac, J., **Sofiadis, G.**, Katragkou, E., and Bastin, S.: CORDEX-WRF v1.3: development of a module for the Weather Research and Forecasting (WRF) model to support the CORDEX community, *Geosci. Model Dev.*, 12, 1029–1066, <https://doi.org/10.5194/gmd-12-1029-2019>, 2019.

Publications/announcements in conference proceedings with reviewers

- **Sofiadis I.**, Katragkou E., Davin E. L., de Noblet-Ducoudre N., Rechid D., Employing the ESA CCI Land Cover product for regional climate simulations over Europe, *Living Planet Symposium 2019*, 13-17/5/2019, Milan, Italy.
- Breil M., D. Rechid, E. Davin, N. de Noblet-Ducoudré, E. Katragkou, R. Cardoso, P. Hoffmann, L. Jach, P. Soares, I. **Sofiadis G.**, Strandberg, M. Tölle, K. WarrachSagi., The impact of afforestation on the diurnal cycles of temperature and turbulent heat fluxes, *European Geosciences Union (EGU) General Assembly 2019*, 7– 12/4/2019, Vienna, Austria.
- **I. Sofiadis**, Katragkou E., Investigating the influence of an extreme land cover change scenario on the European climate, *14th International Conference on Meteorology, Climatology and Atmospheric Physics*, 15-17 October 2018, Alexandroupolis Greece.
- **Sofiadis I.**, E. Katragkou, Quantifying the summer temperature response to extreme deforestation in Europe, *MedClivar Conference 2018*, 19-21/9/2018, Belgrade, Serbia.
- **Sofiadis I.**, E. Katragkou, Assessing the temperature changes over Europe for the 21st century using a regional climate model, *Protection and restoration of the environment XIV*, 3-6/7/2018, Thessaloniki, Greece.