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Current position: Postdoctoral Fellow Researcher, School of Environmental Engineering,
Technical University of Crete
Occupation: Research engineer at H2020 IMPREX, 5DARE-HFRI

Research interests

Water Resources Management, Hydrology, Hydrological and land surface models, Soil moisture dynamics, Flash floods, Droughts, Hydraulics, Extreme Events, Climate change impact studies, Bias correction

Education

Sep 2008 - Sep 2014 School of Environmental Engineering, Technical University of Crete
Ph.D. (2014) Doctor of Philosophy - Thesis: "Climate change impact assessment to principal hydrological parameters and the role of bias".
Specializing in **Hydrological modeling and Climate Change**

Sept. 2006- Sept. 2007 School of Environmental Engineering, Technical University of Crete
M.A.Sc. (2007) Master of Applied Science - Thesis Title: "Remote sensing and algorithm development for hydrological purposes".
Specializing in **Remote sensing for hydrological applications**

Sept. 2001- Aug. 2006 School of Environmental Engineering, Technical University of Crete.
Dipl. Engin. (2006) Diploma in Environmental Engineering (8.6 / 10) - Thesis: "Surface runoff modeling of Keritis watershed using field data"
Specializing in **Hydrological modeling**

Other language: English (C1 – CPE, Michigan University)

Distinctions & Awards

- Scholarship of Excellence in undergraduate studies. Emmanouil Michailaki. Highest grade during the academic years 2003-2004 and 2004-2005.
- Scholarship of Excellence in undergraduate studies. Greek State Scholarships Foundation (IKY). Highest grade during the academic years 2003-2004 and 2004-2005.
- Award of academic excellence in the Master Degree program “Environmental and sanitary engineering” as the first accepted student 2006-2007.
- Scholarship of Excellence in undergraduate studies on the Master degree program “Environmental and sanitary engineering”. Technical University of Crete. Highest grade during the academic 2006-2007.

Teaching experience

Sep 2017 – Jan 2018 Teacher of Environmental Management course at Technological Educational Institute of Crete - Department of Mechanical Engineering.

July 2007 - Sep 2016 Teaching assistant at School of Environmental Engineering Technical University of Crete on the courses of:

- Numerical methods on environmental engineering class (1 semester)
- Coastal engineering class (1 semester)
- Open channel Hydraulics (3 semesters)
- Environmental hydraulics (4 semesters)
- Water supply and sewer networks design (4 semesters)

Research projects participation

1. **SDARE**: Development of an integrated 5-dimensional space based methodology for Assessing and modelling the Response of Erosion dynamics to land use and climatic changes in Mediterranean watersheds, Greek Institute for Research and Innovation (Hellenic Foundation for Research and Innovation) (2019-).
2. **H2020 IMPREX**: Improving PRedictions and management of hydrological Extremes (2015-2019).
3. **HELIX FP7**: High-End cLimate Impacts and eXtremes. ENV.2013.6.1-3 Impacts of higher-end scenarios (global average warming > 2 °C with respect to pre-industrial level) – FP7-ENV-2013 (2013-2017).
4. **CASCADE FP7**: CAstrophic Shifts in drylands: how CAn we prevent ecosystem DEgradation? Collaborative Project/ Large Scale Integrated Project FP7-ENV-2011 (2012-2017)
5. **IMPACT2C FP7**: Quantifying projected impacts under 2°C warming. Collaborative project/Large-scale integrating project, FP7-ENV-2011 (2011-2015)
6. **ECLISE FP7**: Enabling CLimate Information Services for Europe - Programme “Environment” FP7-ENV-2010.1.1.4-1. Underpinning work to enable provision of local scale climate information (2011-2014)
7. **SATFLOOD**: Integrated Use of Satellite Remote Sensing and Hydraulic Modelling for the Flood Risk Assessment at Catchment Scale in Cyprus, Institute for Research Advancement, Nicosia, Cyprus (2011-2013)
8. **COMBINE FP7**: Comprehensive Modelling of the Earth System for better climate prediction and projection (Integrated Project), FP7-ENV-2008-1 (2009-2013)
9. **SIMFLOOD**: High Resolution Satellite Imagery for Floodplain Mapping, European Space Agency (ESA) (2009-2011)
10. **WATCH**: WATer & global CHange (Integrated Project), Sixth Framework Programme – Global Change and Ecosystems Priority – 4th Call Paragraph II.1.1 Global Water Cycle, Water Resources and Droughts (2008-2012)
11. **SCENES**: Water Scenarios for Europe and for Neighboring States (Integrated Project), Sub-Priority 6.3 – Global Change and Ecosystems, Sub-priority research area - II.4 Scenarios of water demand and availability, Topic - II.4.1 Water scenarios for Europe and for neighbouring countries (2007-2011).
12. **HYDRATE**: Hydrometeorological data resources and technologies for effective flash flood forecasting Sixth Framework Programme – Global Change and Ecosystems Priority – 4th Call Paragraph II.1.2 “Flash Flood forecasting (2007-2010).

Peer reviewed journal articles (2/2019)

1. Koutroulis AG, Papadimitriou LV, **Grillakis MG**, Warren R, Betts RA, (2019). Global water availability under high-end climate change: A vulnerability based assessment. *Glob Planet Change*. doi: 10.1016/J.GLOPLACHA.2019.01.013
2. **Grillakis, M.G.**, 2019. Increase in severe and extreme soil moisture droughts for Europe under climate change. *Science of The Total Environment*. <https://doi.org/10.1016/j.scitotenv.2019.01.001>
3. **Grillakis, M.**; Koutroulis, A.; Tsanis, (2018) I. Improving Seasonal Forecasts for Basin Scale Hydrological Applications. *Water* 2018, 10, 1593. <https://doi.org/10.3390/w10111593>
4. Koutroulis, A.G., **Grillakis, M.G.**, Tsanis, I.K. Jacob D., Mapping the vulnerability of European summer tourism under 2 °C global warming. *Climatic Change* (2018). <https://doi.org/10.1007/s10584-018-2298-8>
5. Koutroulis, A.G.; Papadimitriou, L.V.; **Grillakis, M.G.**; Tsanis, I.K.; Wyser, K.; Caesar, J.; Betts, R.A. Simulating Hydrological Impacts under Climate Change: Implications from Methodological Differences of a Pan European Assessment. *Water* 2018, 10, 1331.
6. Jacob, D. , Kotova, L. , Teichmann, C. , Sobolowski, S. P., Vautard, R. , Donnelly, C. , Koutroulis, A. G., **Grillakis, M. G.**, Tsanis, I. K., Damm, A. , Sakalli, A. and van Vliet, M. T. (2018), Climate Impacts in Europe Under +1.5°C Global Warming. *Earth's Future*, 6: 264-285. doi:10.1002/2017EF000710
7. A.G. Koutroulis, L.V. Papadimitriou, **M.G. Grillakis**, I.K. Tsanis, K. Wyser, R.A. Betts, Freshwater vulnerability under high end climate change. A pan-European assessment, *Science of The Total Environment*, Volumes 613–614, 2018, Pages 271–286, ISSN 0048-9697, <https://doi.org/10.1016/j.scitotenv.2017.09.074>.
8. **Grillakis, M. G.**, Koutroulis, A. G., Daliakopoulos, I. N., and Tsanis, I. K.: A method to preserve trends in quantile mapping bias correction of climate modeled temperature, *Earth Syst. Dynam.*, 8, 889-900, <https://doi.org/10.5194/esd-8-889-2017>, 2017.
9. Papadimitriou, L. V., Koutroulis, A. G., **Grillakis, M. G.**, and Tsanis, I. K.: The effect of GCM biases on global runoff simulations of a land surface model, *Hydrol. Earth Syst. Sci.*, 21, 4379-4401, <https://doi.org/10.5194/hess-21-4379-2017>, 2017.
10. Daliakopoulos, I.N., Panagea, S.I., Tsanis, I.K., **Grillakis, M.G.**, Koutroulis, A.K., Hessel, R., Mayor, A.G., and Ritsema, C.J., “Yield Response of Mediterranean Rangelands under a Changing Climate”, *Land Degradation & Development*, February 2017, <https://doi.org/10.1002/ldr.2717>
11. Koutroulis, A.G., **M.G. Grillakis**, I.K. Tsanis and L. Papadimitriou, “Evaluation of precipitation and temperature simulation performance of the CMIP3 and CMIP5 historical experiments”, *Climate Dynamics*, 47(5), pp 1881–1898, doi:10.1007/s00382-015-2938-x, September 2016.
12. **Grillakis M.G.**, Koutroulis A.G., Tsanis I.K., “The 2 °C global warming effect on summer European tourism through different indices”, *International Journal of Biometeorology*, 60(8), pp.1205–1215, doi:10.1007/s00484-015-1115-6, August 2016.
13. Daliakopoulos I.N., Pappa, P., **Grillakis, M.G.**, Varouchakis, E.A., Tsanis, I.K., “Modelling soil salinity in greenhouse cultivations under a changing climate with SALTMED: Model modification and application in Timpaki, Crete”, *Soil Science*, 181(6), doi:10.1097/SS.000000000000161, June 2016.
14. **Grillakis, M.G.**, Koutroulis, A.G., Papadimitriou, L.V., Daliakopoulos, I.N. and Tsanis, I.K., “Climate induced shifts in global soil temperature regimes”, *Soil Science*, 181(6):1, doi:10.1097/SS.00000000156, May 2016.
15. Papadimitriou, L.V., Koutroulis, A.G., **Grillakis, M.G.**, and Tsanis, I.K., “High-end climate change impact on European runoff and low flows – exploring the effects of forcing biases”, *Hydrol. Earth Syst. Sci.*, doi:10.5194/hess-20-1785-2016, 20, pp.1785-1808, May 2016.
16. **Grillakis, M.G.**, Koutroulis, A.G., Seiradakis, K.D. and Tsanis, I.K., “Implications of 2° C global warming in European summer tourism”, *Climate Services*, 1, pp.30-38, March 2016. <https://doi.org/10.1016/j.cliser.2016.01.002>
17. **Grillakis, M.G.**, Koutroulis, A.G., Komma, J., Tsanis, I.K., Wagner, W. and Blöschl, G., “Initial soil moisture effects on flash flood generation—A comparison between basins of contrasting hydro-climatic conditions”, *Journal of Hydrology*, doi:10.1016/j.jhydrol.2016.03.007, March 2016.
18. Koutroulis, A.G., **Grillakis, M.G.**, Daliakopoulos, I.N., Tsanis, I.K. and Jacob, D., “Cross sectoral impacts on water availability at +2° C and +3° C for east Mediterranean island states: The case of Crete”, *Journal of Hydrology*, 532, pp.16-28, January 2016. <https://doi.org/10.1016/j.jhydrol.2015.11.015>
19. Koutroulis, A.G., **Grillakis, M.G.**, Tsanis, I.K., Jacob, D., “Exploring the ability of current climate

- information to facilitate local climate services for the water sector”. *Earth Perspectives*, 2:6, doi:10.1186/s40322-015-0032-5, November 2015. <https://doi.org/10.1186/s40322-015-0032-5>
20. Panagea, I.S., Tsanis, I.K., Koutroulis, A.G., **Grillakis, M.G.**, “Climate change impact on Photovoltaic Energy Output: The case of Greece”, *Advances in Meteorology*, Vol. 2014, Article ID: 264506, 11 pages, July 2014
 21. Tsanis I.K., Seiradakis K.D., Daliakopoulos I.N., **Grillakis M.G.**, Koutroulis A.G., “Assessment of Geoeye-1 Stereo-Pair Generated DEM in Flood Mapping of an Ungauged Basin”, *Journal of Hydroinformatics*, 16 (1), 1-18, 2014
 22. D.D. Alexakis, **M.G. Grillakis**, A.G. Koutroulis, A. Agapiou, K. Themistocleous, I.K. Tsanis, S. Michaelides, S. Pashiardis, C. Demetriou, K. Aristeidou, A. Retalis, F. Tymvios, D.G. Hadjimitsis, “GIS and Remote Sensing Techniques for the Assessment of Land Use Changes Impact on Flood Hydrology: the Case Study of Yialias Basin in Cyprus”, *Natural Hazards and Earth System Sciences*, 14, 413-426, 2014, February 2014
 23. **Grillakis M.G.**, Koutroulis A.G., Tsanis I.K., “Multisegment statistical bias correction of daily GCM precipitation output”, *Journal of Geophysical Research*, 118, 1–13, April 2013
 24. Vrochidou, A.-E.K.; Tsanis, I.K.; **Grillakis, M.G.**; Koutroulis, A.G., “The impact of climate change on hydrometeorological droughts at a basin scale”, *Journal of Hydrology*, 476, 290-301, January 2013
 25. Koutroulis A.G., **Grillakis, M.G.**, Tsanis I.K., V. Kotroni and K. Lagouvardos, “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, 881-891, April 2012
 26. **Grillakis M.G.**, Koutroulis A.G., Tsanis I.K., “Climate change impact on the hydrology of Spencer Creek watershed in Southern Ontario, Canada”, *Journal of Hydrology*, 409(1-2), 1-19, October 2011
 27. **Grillakis, M.G.**, Tsanis, I.K., Koutroulis, A.G., “Application of the HBV hydrological model in a flash flood case in Slovenia”, *Natural Hazards and Earth System Sciences*, 10, 2713-2725, December 2010
 28. Daliakopoulos, I.N, E.G. **Grillakis, A.G.** Koutroulis, Tsanis, I.K., “Tree Crown Detection on Multispectral VHR Satellite Imagery”, 75(3), *Photogrammetric Engineering & Remote Sensing*, Journal of the American Society for Photogrammetry and Remote Sensing, 75(10), 1201-1211, October 2009

Peer-reviewed conference proceedings and posters

1. **Grillakis, M.G.**, Koutroulis, A.G., “Hydrometeorological extremes in a warmer climate. A local scale assessment for the island of Crete”, ECWS-3, 15 November 2018. MDPI AG, 10.3390/ECWS-3-05818
2. Bischiniotis K, Van den Hurk B, de Perez EC, Zsoter E, **Grillakis M.G.**, Aerts JCJH., “Evaluation of ensemble streamflow predictions and flood warnings in Peru”, EGU2018-15318
3. **Grillakis, M.G.**, Koutroulis, A.G., Tsanis, I.K., “Assessing the skill of two operational seasonal forecast systems on a small insular Mediterranean catchment.” EGU2018-10048, Vienna, Austria, 4-13 April, 2018 (poster).
4. Koutroulis, A.G., Papadimitriou, L.V., **Grillakis, M.G.**, Tsanis, I.K., Betts R., “Uncertainties in large-scale hydrological projections. A pan European assessment under high-end climate change.” EGU2018-11676, Vienna, Austria, 4-13 April, 2018 (poster).
5. **Grillakis, M.G.**, Tsanis, I.K., “Assessment Of The Probabilistic Forecasting Of The European Flood Awareness System”, HEPEX 2018, Melbourne, Australia, 6 – 8 February, 2018.
6. Koutroulis, A.G., **Grillakis, M.G.**, “Unraveling the net effect of human induced climate change to the evolution of soil water resources”, TERRAenVISION 2018, Barcelona, Spain, 29 January - 01 February 2018. (poster).
7. Koutroulis, A.G., Papadimitriou, L.V., **Grillakis, M.G.**, Tsanis, I.K., “European freshwater vulnerability under high rates of global warming and plausible socio-economic narratives”, EGU2017-11960, Vienna, Austria, 23–28 April 2017 (poster).
8. Koutroulis, A.G., **Grillakis, M.G.**, Tsanis, I.K., “Introducing seasonal hydro-meteorological forecasts in local water management. First reflections from the Messara site, Crete, Greece”, EGU2017-12072, Vienna, Austria, 23–28 April 2017 (poster)
9. Papadimitriou L.V., Koutroulis A.G., **Grillakis M.G.**, Tsanis I.K., “Representation of droughts under

different forcing datasets”, ISIMIP workshop 22-24 June, 2016, Potsdam Institute for Climate Impact Research (PIK) in Potsdam, Germany.

10. Papadimitriou L.V., Koutroulis A.G., **Grillakis M.G.**, Tsanis I.K., “Sensitivity of a global land surface model to the meteorological forcing. Effects on the representation of droughts”, 2nd EWaS International Conf., June 1-4, Chania, Greece.
11. Daliakopoulos, I.N., Wagner, K., **Grillakis, G.M.**, Apostolakis, A., Koutroulis, A.G., Tsanis, I.K., “An Open-source Low-cost Portable Apparatus for Soil Fauna Sampling”, Geophysical Research Abstracts, Vol. 18, EGU2016-16745-2, Vienna, Austria, 17-22 April 2016 (poster)
12. Papadimitriou, L., **Grillakis, M.G.**, Koutroulis, A.G., Tsanis, I.K., “Sensitivity of hydrologic simulations to bias corrected driving parameters”, Geophysical Research Abstracts, Vol. 18, EGU2016-12021, Vienna, Austria, 17-22 April 2016 (poster)
13. **Grillakis, M.G.**, Koutroulis, A.G., Tsanis, I.K., “A new method of adjusting spatial and temporal biases for selected climate variables”, Geophysical Research Abstracts, Vol. 18, EGU2016-11928, Vienna, Austria, 17-22 April 2016 (poster)
14. Koutroulis, A.G., **Grillakis, M.G.**, Tsanis, I.K., “Storms from the past in a warmer climate. Results from high-res non-hydrostatic modeling over Crete”, Geophysical Research Abstracts, Vol. 18, EGU2016-11785, Vienna, Austria, 17-22 April 2016 (poster)
15. Tsanis I. K., L. Alfieri, A. Koutroulis, **M. Grillakis**, L. Papadimitriou, L. Feyen, M. Vousdoukas, E. Voukouvalas), M. Rozsai, A. Kitous, P. Ciais, X. Wang, K. Wyser, R. A. Betts, “The impact of high-end climate change scenarios over Europe - Key Risks of Climate Change”, International Scientific Conference – Our Common Future Under Climate Change (CFCC2015), 7-10 July 2015, Paris, France (poster)
16. Koutroulis A.G., **Grillakis M.G.**, Tsanis I.K., “Studying the climate change impact at 2 degree warming on Water Resources for the island of Crete: A cross-sectoral approach”, International Scientific Conference – Our Common Future Under Climate Change (CFCC2015), 7-10 July 2015, Paris, France (poster)
17. Tsanis I.K., **Grillakis M.G.**, Koutroulis A.G., “Mapping the vulnerability of European summer tourism at a 2°C globally warmer climate”, European Climate Change Adaptation Conference, 12-14 May 2015, Copenhagen, Denmark (poster)
18. Tsanis I.K., Papadimitriou L., **Grillakis M.G.**, Koutroulis A.G., “The effect of bias adjustment in modeling global terrestrial water cycle and extremes”, European Climate Change Adaptation Conference, 12-14 May 2015, Copenhagen, Denmark (poster)
19. Tsanis I.K., **Grillakis M.**, Varouchakis E., Koutroulis A., Seiradakis K., “Assessing regression kriging for its ability to represent precipitation fields over complex terrain using different gauging network densities”, EGU2015, Vienna, Austria, 12-17 April 2015 (poster)
20. **Grillakis M.**, Koutroulis A., Tsanis I.K., Jacob D., “Projections of European summer tourism demand at a +2 degrees warmer climate”, EGU2015-9448, Vienna, Austria, 12-17 April 2015 (poster)
21. Daliakopoulos I., **Grillakis M.**, Tsanis I.K., “Observed and Projected Aridity Trends in the CASCADE Project Mediterranean Drylands”, EGU2015-10497, Vienna, Austria, 12-17 April 2015 (poster)
22. Koutroulis A.G., Tsanis I.K., **Grillakis M.G.**, Jacob D., “Assessing the ability of current climate information to facilitate local climate services for the water sector”, EGU2014-4006, Vienna, Austria, 27 April–2 May 2014 (poster)
23. **Grillakis M.G.**, Panagea I., Koutroulis A.G., Tsanis I.K., “Estimating the efficiency of P/V systems under a changing climate—the case study of Greece”, EGU2014-3969, Vienna, Austria, 27 April–2 May 2014 (poster)
24. Tsanis I.K., Koutroulis A.G., **Grillakis M.G.**, Konstantopoulos K., Jacob D., “Estimating the impact of +2 degrees of global warming on European Tourism”, EGU2014-3988, Vienna, Austria, 27 April–2 May 2014 (poster)
25. **Grillakis M. G.**, Koutroulis A. G., Tsanis I.K. “Piece wise statistical bias correction for daily

precipitation” International Conference on Regional Climate - CORDEX 2013, A partnership between WCRP, the European Commission and IPCC, Brussels, Belgium, 4-7 November 2013 (poster)

26. Alexakis D.D., A.G. Koutroulis, **M.G. Grillakis**, A. Agapiou, K. Themistocleous, I.K. Tsanis, D.G. Hadjimitsis. “Using spatio-temporal Markov model for Flood mapping: The case study of Yialias river in Cyprus”. Remote Sensing for Agriculture, Ecosystems, and Hydrology. SPIE Remote Sensing. ERS13-RS101-88. Internationales Congress Center, Dresden, Germany, 23-26 September 2013.
27. **Grillakis M.G.**, Koutroulis A.G., Tsanis I.K., Alexakis D.D., Hadjimitsis D.G., “Examination of land use change effect on extreme hydrological events. A case study of Gialias basin in Cyprus”, EGU2013-4519, Vienna, Austria, 7–12 April 2013 (poster)
28. Tsanis I.K., **Grillakis M.G.**, Koutroulis A.G., Jacob D., “Developing local climate services to support climate adaptation policies for Greek region”, EGU2013-4462, Vienna, Austria, 7–12 April 2013 (poster)
29. Koutroulis A.G., **Grillakis M.G.**, Tsanis I.K., “Comparison of precipitation simulation performance by the CMIP3 and new CMIP5 models”, EGU2013-4435, Vienna, Austria, 7–12 April 2013 (poster)
30. **Grillakis M.G.**, Koutroulis A.G., Tsanis I.K., Ulbrich U., “A multi-segment approach to statistical bias correction of GCM precipitation output”, EGU 2012, Vienna, Austria, 22–27 April 2012.
31. Tsanis I.K., **Grillakis M.G.**, Polcher J., “Assessing the climate change impact on the hydrology of Spencer Creek watershed based on RCMs and an interpolated GCM”, EGU2012, Vienna, Austria, 22–27 April 2012.
32. Koutroulis A.G., **M.G. Grillakis**, I.K. Tsanis, V. Kotroni, K. Lagouvardos. “Examining correlation between lightning activity, rainfall and flash flooding. A case study in the island of Crete”, 13, 13th Plinius Conference on Mediterranean Storms, Savona, Italy, 7–9 September 2011.
33. **Grillakis M.G.** I.K. Tsanis., A.G. Koutroulis. “Parsimony in flash flood hydrological modeling. An application on Slovenia 2007 event”. EGU2011, Geophysical Extremes: Scaling representations and their applications, Vienna, Austria, 03–08 April 2011.
34. Koutroulis A.G., **Grillakis M.G.**, I.K. Tsanis, V. Kotroni, K. Lagouvardos. “Lightning activity, rainfall and flash flooding. Occasional or interrelated events? A case study in the island of Crete”, 12th Plinius Conference on Mediterranean Storms, Corfu Island, Greece, 1–4 Sept. 2010.
35. **Grillakis, M.G.** and I.K. Tsanis, Integrated flash flood analysis in ungauged watersheds, 12th Plinius Conference on Mediterranean Storms, Corfu Island, Greece, 1–4 Sept. 2010.
36. Tsanis, I.K., A.G. Koutroulis, I.N. Daliakopoulos, **E.G. Grillakis**, Studying the hydro-meteorological extremes. The benefits from the European Flash Flood research oriented HYDRATE project. EGU2010-8744, Vienna, May 5-7, 2010.
37. Tsanis, I.K., **M. G. Grillakis**, G. Blöschl and N. Pogacnik. The HBV spatially distributed flash flood forecasting model - The Slovenia case study, EGU2009, Vienna, April 20-21, 2009.
38. Tsanis I. K., L. Alfieri, A. Koutroulis, M. Grillakis, L. Papadimitriou, L. Feyen, M. Vousdoukas, E. Voukouvalas), M. Rozsai, A. Kitous, P. Ciais, X. Wang, K. Wyser, R. A. Betts. .The impact of high-end climate change scenarios over Europe - Key Risks of Climate Change. International Scientific Conference – Our Common Future Under Climate Change, 1-10 July 2015, Paris, France.
39. Koutroulis A.G., **Grillakis M.G.**, Tsanis I.K. Studying the climate change impact at 2 degree warming on Water Resources for the island of Crete: A cross-sectoral approach. Multi-sectoral analysis of risks to climate change (hot spots) at 2 °C warming. International Scientific Conference – Our Common Future Under Climate Change, 1-10 July 2015, Paris, France.

Technical reports

1. Johannes Hunink, Alberto de Tomás, Yu Li, Andrea Castelletti, Matteo Giuliani, Federico Giudici, Sara Suárez, Joaquín Andreu, Aristeidis Koutroulis, Manolis Grillakis, Abel Solera., D11.1 Prototype design of drought Decision Support Systems. IMPREX H2020, April 2017, pp. 107.

2. Lorenzo Alfieri, Luc Feyen, Alessandra Bianchi, Michalis Voudoukas, Lorenzo Mentaschi, Ioannis Tsanis, Aristeidis Koutroulis, Lamprini Papadimitriou, **Manolis Grillakis**. Improved assessment of impacts in Europe for SWLs including uncertainties. HELIX FP7 Deliverable 7.4, October 2016, pp. 128.
3. I.K. Tsanis, A.G. Koutroulis, **M.G. Grillakis**. Cross sectoral impacts on water availability at +2°C and +3°C for east Mediterranean island states: the case of Crete. Deliverable 11.1. July 2015, pp. 35
4. L. Alfieri, I.K. Tsanis, L. Papadimitriou, A. Koutroulis, **M. Grillakis**, L. Feyen, M. Voudoukas, E. Voukouvalas. Evaluation of regional impact models against observed trends or recent extreme events. Deliverable: 7.3, April 2015, pp. 53.
5. L. Alfieri, I.K. Tsanis, L. Papadimitriou, A. Koutroulis, **M. Grillakis**, L. Feyen, M. Voudoukas, E. Voukouvalas, A. Kitous, M. Rozsai, J. Carlos Ciscar, X. Wang, P. Ciais. Fast-track assessment of biophysical impacts and selected socio-economic impacts at 4°C using EURO CORDEX RCM projections. Deliverable: 7.2, April 2015, pp. 108.
6. F. Prettenthaler, H. Albrecher, JE Haugen, I Tsanis, P Asadi, M Craveiro, A Damm, **M Grillakis**, M Hofer, D Kortschak, A Koutroulis, O Landgren, N Rogler. D9.1: Value at Risk in EU27: floods, the change of weather risk to electricity, tourism demands. IMPACT2C. (November 2014)
7. L. Alfieri, I.K. Tsanis, L. Papadimitriou, A. Koutroulis, **M. Grillakis**, L. Feyen, M. Voudoukas, E. Voukouvalas, A. Kitous, M. Rozsai, J. Carlos Ciscar, X. Wang, P. Ciais. Overview of existing observed climate and impacts data for Europe, example extreme events, and adaptation strategies, Deliverable: 7.1, October 2014, pp. 50.
8. Tsanis, I.K., **M.G. Grillakis**, A.G. Koutroulis. “High resolution future solar energy projections for the island of Crete”. ECLISE collaborative FP7 research project under the Environment Programme of the European Commission, Deliverable 6.15. (February 2014).
9. Tsanis, I.K., A.G. Koutroulis, **M.G. Grillakis**. “Climate change effect on hydro-meteorologic variables related to water budget and precipitation extremes for the region of Crete”. ECLISE collaborative FP7 research project under the Environment Programme of the European Commission, Deliverable 5.5. (February 2014).
10. Tsanis, I.K., **M.G. Grillakis**, A.G. Koutroulis. “Rainfall and Temperature extremes for Greek Cities”. ECLISE collaborative FP7 research project under the Environment Programme of the European Commission, Deliverable 5.5. (February 2014).
11. Tsanis, I.K., **Grillakis, M.G.**, “SATFLOOD Ensemble hydrological/hydraulic simulation of flood prone areas of Cyprus”: Technical report TR16 – Hydraulic simulation and analysis results. April 2013.