

Dr Ioannis Kougkoulos
Assistant Professor, The American College of Greece

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+33 6 95 38 95 98 (French mobile)

Greek Nationality (EU)

Compulsory military service completed

Driving Licence type B (EU)

Motorboat Operator (Hellenic Coast Guard)

First aid certificate PSC1 (EU)



SKILLS

General: Multi-cultural, capacity to work independently and in a team, decision maker, public speaker

Field experience: UK, France, Greece, Bolivia, Colombia, India

Mapping and Remote Sensing Software: ArcGIS, QGIS, ENVI, ERDAS Imagine

Other Software: Decision Analysis software, Hydraulic modelling (e.g. HEC-RAS), Python (basics), Microsoft Office

Languages: Trilingual (English, French, Greek) Elementary (Spanish)

EXPERIENCE

Sep 22 - present	Assistant Professor <i>The American College of Greece</i> <ul style="list-style-type: none">• Department of Science & Mathematics - Environmental studies program (BSc - Undergraduate)• Member of the Center of Excellence in Sustainability (CoES) <p>Currently teaching: Introduction to Earth and Space Science Contemporary Environmental Issues Environmental Science: Ecosystems and Biodiversity (Module Leader) Integrated Methods in Environmental Analysis I Special Topics: Natural Disasters (Module Leader)</p>
Sep 21 – Aug 22	Part-Time Lecturer <i>The American College of Greece</i>
Sep 20 – May 21	Postdoctoral Researcher <i>CNRS, LAMSADE - UMR 7243</i> <p>Started 5th of October 2020; Coordinated research of a late stage European Project (LODE) funded by the EU Commission (DG ECHO) ; Project focuses on the catastrophic PACA (South France) flooding events of 2015; Created a model by collecting, storing and organizing post-disaster damage and loss data to support a variety of applications, ranging from accounting to forensic analysis of disasters to enhancement of risk modeling capacity; During model creation, communicated with all involved parties (e.g. other institutions, local communities, insurance companies); see publications section for accepted results</p>
Jan 19 - Aug 20	Postdoctoral Research Fellow <i>University of Nottingham</i> <p>Coordinated the REF-Impact Case Study for the program “slavery from space” focusing mainly on two projects (India, Greece) ; Developed a mapping protocol using unsupervised and supervised remote sensing techniques for a first-order identification of settlements linked to labour exploitation ; Created an operational research tool based on Multi-Criteria Decision Analysis to prioritize locations of labour exploitation for ground-based interventions; Liaised with stakeholders in India and Greece to acquire proof of impact of the Lab’s research ; Acquired an ESRC-IAA strategic grant accounting for approx. 50k GBP ; Acquired a European Space Agency (ESA) grant for satellite imagery accounting for approx. 15k GBP in kind ; Model adopted by the Council of Europe within a European Court of Human Rights case action plan (March 2020) leading to a top scoring REF-Impact Case Study ; see publications section for accepted results</p>

Jan 16 - present Other teaching experience

Arts et Métiers ParisTech (2016 – to present)

Environmental risk analysis: 3-hour lecture per academic year (+ supervision of one Master Thesis per academic year)

Manchester Metropolitan University (2016 – 2019)

Spatial methods (GIS, Remote Sensing and Statistics): 39 hours of practicals per academic year

EDUCATION

2016 – 2019 PhD in Earth Science, Manchester Metropolitan University

Thesis title: Glacial lake outburst flood risk in the Bolivian Andes

2013 – 2014 Post-Master's in Global Risk Management, Arts et Métiers ParisTech

Global Risk Management: Environmental, Industrial, Organizational, Financial

2008 – 2013 BSc, MSc, MPhil in Geography, Pantheon-Sorbonne University

*6 month exchange program in Utrecht University (2011-2012)

PUBLICATIONS (IN INTERNATIONAL PEER REVIEWED JOURNALS)

Google Scholar, h-index 6, <https://scholar.google.com/citations?user=Ro9U44IAAAJ>

ResearchGate, h-index 7, https://www.researchgate.net/profile/loannis_Koukoulos

Koukoulos I, et al (in prep - expected submission date Q4 - 2023) Glacial geomorphological mapping of Mount Trachy, Peloponnese, Greece. *Quaternary International*

Koukoulos I, et al (in prep - expected submission date Q2 - 2023) A review of multi-criteria decision analysis for flood risk and resilience. *Journal of Flood Risk Management*.

Cakir SM, et al (in prep - expected submission date Q2 - 2023) Modelling Modern Slavery Interventions Using a System Dynamics Approach. *Journal of Management*.

Emmer A, et al (2022) Progress and challenges in glacial lake outburst flood research (2017–2021): a research community perspective. *Natural Hazards and Earth System Sciences*. <https://doi.org/10.5194/nhess-22-3041-2022>

Koukoulos I, et al (2021a) Floods in Provence-Alpes-Côte d'Azur and lessons for French flood risk governance. *Natural Hazards*. <https://doi.org/10.1007/s11069-021-04905-4>

Koukoulos I, et al (2021b) A multi-method approach to prioritize locations of labor exploitation for ground-based interventions. *Production and Operations Management*. <https://doi.org/10.1111/poms.13496>

Gökalp E, (2021) Capacity Management of Migrant Accommodation Centres using Approximate Dynamic Programming. *Journal of the Operational Research Society*. <https://doi.org/10.1080/01605682.2021.1907242>

Campos N, et al (2021) Unraveling the retreat of the Aneto Glacier (Pyrenees, Spain) since the Little Ice Age. *The Holocene*. <https://doi.org/10.1177/09596836211011678>

Koukoulos I, et al (2018a) Modelling glacial lake outburst flood impacts in the Bolivian Andes. *Natural Hazards*. <https://doi.org/10.1007/s11069-018-3486-6>

Koukoulos I, et al (2018b) Use of multi-criteria decision analysis to identify potentially dangerous glacial lakes. *Science of the Total Environment*. <https://doi.org/10.1016/j.scitotenv.2017.10.083>

Barr ID, et al (2018) Using ArcticDEM to Analyse the Dimensions and Dynamics of Debris-Covered Glaciers in Kamchatka, Russia. *Geosciences*. <https://doi.org/10.3390/geosciences8060216>

Cook SJ, et al (2016) Glacier change and glacial lake outburst flood risk in the Bolivian Andes. *The Cryosphere*. <https://doi.org/10.5194/tc-10-2399-2016>

FUNDING AND ACADEMIC AWARDS

- UK Research Excellence Framework 2021-Impact Case Studies (REF2021-ICS): Coordination of two studies with estimated gains of **~500k EUR each** (Approval March 2021).
- Economic and Social Research Council-Impact Acceleration Account 2019 (ESRC-IAA2019) grant: Acquisition of the grant (**~50k EUR**) for my own 1-year contract extension (University of Nottingham).
- Manchester Metropolitan University Competitive PhD grant 2016: Acquisition of a scholarship offering me **~17k EUR** per year + university fees for my three-year PhD project.
- European Space Agency (ESA) satellite imagery grants (ID-32966, 39339): **~30k EUR** in kind for the acquisition of AIRBUS satellite imagery

RESEARCH EXPEDITIONS

Greece

- **2011-2013:** Fieldwork for Master theses (Pantheon-Sorbonne University). Four, monthly field visits in total, in Epirus, Northwestern Greece for data acquisition and stakeholder engagement
- **2019-2020:** Fieldwork for Postdoc (UoN). Six field visits in total for data acquisition in Nea Manolada, Peloponnese and stakeholder engagement with the Ministry of Foreign Affairs and two NGOs in Athens

Bolivia

- **2018:** Fieldwork for PhD (MMU). 20-day visit in La Paz and the Zongo glacier for data acquisition and preliminary results dissemination to government and NGOs

Colombia

- **2018:** Week visit to CIAT centre in Cali for discussion on future research using geographical methods for border regions in the Amazon

India

- **2019-2020:** Fieldwork for Postdoc (UoN). Two field visits in total (data acquisition and stakeholder engagement with our Indian partners from UNDP)

CONFERENCES

European Geosciences Union (EGU) annual meeting

2017: 2 poster presentations

2018: 1 poster and 1 oral presentation

2020: 1 abstract (physical conference cancelled due to COVID-19)

2021: 1 Virtual PICO presentation (online conference)

British Society for Geomorphology (BSG) annual meeting

2016: 1 poster presentation

2017: 1 poster and 1 oral presentation

Academy of Management (AOM) annual meeting

2020: 1 abstract (physical conference cancelled due to COVID-19)

2022: 1 abstract

REFERENCES

Dr. Simon Cook (Senior Lecturer, University of Dundee), s.y.cook@dundee.ac.uk

Prof. Myriam Merad (Director of Research, CNRS), myriam.merad@lamsade.dauphine.fr

Dr. Stella Apostolaki (Assistant Professor, American College of Greece), sapostolaki@acg.edu

OTHER INTERESTS

Jogging, Football, Hiking, Social Dancing, Guitar, Chess