

# Iulia Marginean

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## Short description and interests:

I am a Researcher in the Climate Impacts Group at the Center for International Climate Research (CICERO). I have experience in climate risk assessments in multiple sectors, such as climate finance and public health. I am interested in the synergies between climate science and other disciplines, such as epidemiology and demography. My work relies on high-resolution climate modeling and the analysis of health and demographic data for local climate risk assessments. Currently, I am a PhD candidate, focusing on the negative effects of climate change on human health. My PhD is part of the EmCliC project - Embodying Climate Change: Transdisciplinary Research on Urban Overheating, where CICERO is a partner. I am also affiliated to the PhD programme in the Meteorology and Oceanography Section at the University of Oslo.

## Education

01.09.20 – present	PhD candidate Center for International Climate Research (CICERO) and University of Oslo, Meteorology and Oceanography Section of the Department of Geosciences
01.09.2011-23.09.2013	M.Sc. Joint European Master in Environmental Studies (120 ECTS) International Master Programme from Aalborg University (Denmark), Technical University of Hamburg-Harburg (Germany), Autonomous University of Barcelona (Spain) and University of Aveiro (Portugal)
01.10.2007-15.07.2011	B.Sc. Biotechnical and Ecological Systems Engineering (240 ECTS) University of Oradea, Department of Environmental Engineering, Romania.

## Grants and Projects

**EmCliC** (01.09.2020 – 31.03.2024) Research project on Embodying Climate Change: Transdisciplinary Research on Urban Overheating (<http://www.emcllc.com/>). Funding: Norway and EEA Grants 2014–2021, Basic Research Programme

**YSSP** (01.06.2021 – 31.08.2021) Young Scientists Summer Programme, IIASA, Laxenburg, Austria. Summer programme for PhD students. Funding: Norwegian Research Council

**ClimINVEST** (01.09.2017 – 28.02.2021) Research and collaboration project on physical climate risk for the financial sector (<https://www.cicero.oslo.no/en/projects/climinvest>). Funding: ERA4CS - JPI Climate – Norwegian Research Council

**EXHAUSTION** (01.06.2019 – 31.05.2023) Research & Innovation project on the impacts of heatwaves and air pollution on heart and lung diseases in humans (<https://www.exhaustion.eu/>). Funding: HORIZON 2020

## Research Experience

01.09.2020 - present	Researcher at CICERO Climate Impacts Group, Research Department 1 (natural sciences) Responsibilities: conducting research on climate change impact on human health according to the EmCliC project deliverables, communication and dissemination of results to academic and non-academic audiences, project management and coordination.
21.11.2016 – 31.08.2020	Research Assistant at CICERO, Oslo. Responsibilities: geospatial data analysis, sectoral climate indicators reviews, project coordination, advisor for green bonds second opinions, research applications on climate impacts on health to the Norwegian Research Council, Horizon 2020, European Economic Area (EEA) and Belmont Forum calls.

01.02.2015 - 31.10.2015	Research Assistant, University of Oradea, Department of Environmental Engineering <b>Responsibilities:</b> Development of the monitoring program for the local water cycle, to contribute to the global monitoring program in the International Atomic Energy Agency (IAEA), Isotope Hydrology section.
01.2014 - 01.2015	Internship at the International Atomic Energy Agency (IAEA), Vienna, Austria Division of Physical and Chemical Sciences, Isotope Hydrology Section <b>Responsibilities:</b> laboratory analysis of water samples, data analysis and database management of the Global Network of Isotopes in Precipitation (GNIP) and Global Network of Isotopes in Rivers (GNIR), assistance with capacity building activities for sampling and analysis of water samples.
10.2012 - 12.2012	Internship at the United Nations Industrial Development Organization (UNIDO), Vienna, Austria Environmental Management Branch, Section of Cleaner Production <b>Responsibilities:</b> research and report writing on innovative business models, integration of new knowledge within the branch network, translation and interpretation for Romanian and Moldovan delegates.

## Selected publications

(Article in review, 2023). Torvanger A., Marginean I., Henke C. *Improving climate risk preparedness – Railroads in Norway*.

Torvanger, Asbjørn; Maltais, Aaron; Marginean, Iulia. *Green bonds in Sweden and Norway: What are the success factors?.* Journal of Cleaner Production, Volum 324, 2021, ISSN 0959-6526, <https://doi.org/10.1016/j.jclepro.2021.129177>.

Hubert, Romain; Marginean, Iulia; Cardona, Michel; Clapp, Christa; Sillmann, Jana. *Addressing challenges of physical climate risk analysis in financial institutions*. Institute for Climate Economics Report 2021.

Eupen, Michiel van; Sandstad, Marit; Johansen, Ane Nordlie; Sillmann, Jana; Schwingshackl, Clemens; Gallo, Florian; Lepousez, Violaine; Clapp, Christa; Hubert, Romain; Bruin, Karianne de; Cardona, Michel; Veldhoven, Felix van; Marginean, Iulia; Daloz, Anne Sophie; Dahl, Miriam Stackpole; Dejonckheere, Sophie. *Screening for climate risk: the ClimINVEST online climate indicators platform. Physical climate risk and finance: Insights from climate experts and investors to inform climate risk management; 2021-02-17*.

Torvanger, Asbjørn; Alnes, Kristina; Berg, Alexander O.; Marginean, Iulia. *Climate science for the financial sector: Managing climate risk in Norway and Sweden*. CICERO Report 2019. Oslo, Norway

## Other

Languages: Romanian, English, Norwegian

Technical and computing skills: Python, R, Linux, GIS, LIMS for lasers

Leisure: basketball, winter sports, surfing, photography