

JAVIER ELÍO

I am an engineer with 10+ years of research and teaching experience, with a solid background in statistics, spatial data analysis, and modelling. My main research area is environmental science, with a particular interest in natural hazards and climate change.



EDUCATION

- 2013 • **Technical University of Madrid**
Ph.D. in Environmental Science 📍 Madrid, Spain
- 2009 • **Technical University of Madrid**
M.Sc. in Environmental Research, Modelling and Risk Assessment 📍 Madrid, Spain
- 2005 • **Technical University of Madrid**
M.Eng. in Mining Engineering. Specialization: Natural Resources and Environment Management 📍 Madrid, Spain



EMPLOYMENT

- 2020 • **Assistant Professor / Postdoc**
Aalborg University, Technical Faculty of IT and Design, Department of Planning 📍 Copenhagen, Denmark
- 2019 • **Assistant Professor**
Western Norway University of Applied Sciences, Department of Safety, Chemistry and Biomedical laboratory sciences 📍 Haugesund, Norway
- 2016 • **Postdoctoral Research Fellow**
Trinity College Dublin, Geology 📍 Dublin, Ireland
- 2014 • **Research Assistant,**
Technical University of Madrid, School of Mining and Energy Engineering 📍 Madrid, Spain
- 2009 • **PhD Candidate**
Fundación Ciudad de la Energía, CO2 Geological Storage 📍 Ponferrada, Spain
- 2007 • **Research assistant**
Technical University of Madrid, School of Mining and Energy Engineering 📍 Madrid, Spain
- 2005 • **Tunnel Engineer**
Obrascon Huarte Lain SA, AVE Colmenar-Soto del Real, Western tunnel (9.5km) 📍 Madrid, Spain

CONTACT INFO

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For more information, please contact me via email.

SKILLS

Experienced in statistics, spatial data analysis, and geostatistics.

Geographic information systems.

Highly skilled in R, R Markdown, blogdown, and bookdown.

LANGUAGES

Spanish: mother tongue.

English: fluent. It has been my everyday work language since 2016.



TEACHING EXPERIENCE

- 2019 ● **Regional Workshop on Development of Radon Maps and the Definition of Radon-Prone Areas**
Lecturer, International Atomic Energy Agency 📍 Vilnius, Lithuania
- 2018 ● **Expert Mission to advice on radon detection, mapping and analysis**
Lecturer, International Atomic Energy Agency 📍 Lima, Peru
- 2018 ● **Geological residential field-school.**
Teaching assistant, 10 day geological residential field-school in SE Spain, Trinity College Dublin, School of Natural Sciences, Geology 📍 Dublin, Spain
- 2017 ● **GIS module in MSc Environmental Science.**
Lecturer: A new indoor radon risk map of Ireland. Geology, School of Natural Sciences, Trinity College Dublin, School of Natural Sciences, Geology 📍 Dublin, Ireland
- 2016 ● **Geological residential field-school.**
Teaching assistant, 10 day geological residential field-school in SE Spain, Trinity College Dublin, School of Natural Sciences, Geology 📍 Dublin, Spain



SELECTED PUBLICATIONS

- 2020 ● **Application of airborne radiometric surveys for large-scale geogenic radon potential classification**
Journal of the European Radon Association
🔗 <http://dx.doi.org/10.35815/radon.v1.4358>
- 2019 ● **The first version of the Pan-European Indoor Radon Map**
Natural Hazards and Earth System Sciences
🔗 <http://dx.doi.org/10.5194/nhess-19-2451-2019>
- 2018 ● **Estimation of residential radon exposure and definition of Radon Priority Areas based on expected lung cancer incidence**
Environment International
🔗 <http://dx.doi.org/10.1016/j.envint.2018.02.025>
- 2017 ● **Logistic regression model for detecting radon prone areas in Ireland**
Science of the Total Environment
🔗 <http://dx.doi.org/10.1016/j.scitotenv.2017.05.071>
- **>50 scientific documents, 304 citations, h-index: 11**
🔗 [scholar/javierelio](https://scholar.javierelio)

R PACKAGES

dangeo: package for accessing the Map Supply Download via the kortforsyningen FTP. <https://github.com/javiereliomedina/dangeo.git>

ggpyramid: function for plotting population pyramids in {ggplot2}. <https://github.com/javiereliomedina/ggpyramid.git>

ggrugby: functions for plotting rugby events in {ggplot2}. <https://github.com/javiereliomedina/ggrugby.git>

safecastR: interacting with the Safecast API. <https://github.com/javiereliomedina/safecastR.git>

SHINY APPS

Analyse migration data from Statistic Denmark. https://javierelio.shinyapps.io/DK_migr_app/

*This resume was made with the R package **pagedown**.*

Last updated on 2021-10-12.