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, 306 citations, h-index: 11**
🔗 scholar/javierelio

R PACKAGES

dangeo: package for accessing the Danish 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/