Adrián **Cidre González**

FORESTRY RESEARCHER

Department of Forestry Engineering, University of Córdoba

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I have a strong background in forest sciences with special interest on data analysis and data science. I have honed my skills on R programming, Shiny Apps development, remote sensing, spatial data analysis, and data science applied to forestry. I am eager to apply my skills and enthusiasm in a dynamic and challenging environment, where I can make a meaningful contribution and foster growth.

Education

Master in Geomatics, Remote Sensing and Spatial Models Applied to Forest Management *Córdoba, Spain*
UNIVERSITY OF CÓRDOBA *2022-2023*

Expert Title in Advance Applied Statistics *Online*
NATIONAL UNIVERSITY OF DISTANCE EDUCATION *2022-2023*

Bachelor in Forestry and Landscape Engineering *Lugo, Spain*
UNIVERSITY OF SANTIAGO DE COMPOSTELA *2018-2022*

SICUE Exchange Programme - Forestry Engineering *Córdoba, Spain*
UNIVERSITY OF CÓRDOBA *09/2021-02/2022*

Erasmus - Forestry Engineering *Joensuu, Finland*
UNIVERSITY OF EASTERN FINLAND *01/2021-06/2021*

Certificate of Higher Education in Forestry *Mondoñedo, Spain*
IES PLURILINGÜE SAN ROSENDO *2016-2018*

Work Experience

Forest Engineer - GIS *Córdoba - Spain*
UNIVERSITY OF CÓRDOBA *September 2022 –> Present*
- PROJECT — LIFE-FAGESOS
- LANGUAGES USED — R, Markdown, SQL, HTML, CSS, Docker
- TOOLS USED — RStudio, Shiny, Quarto, ArcGIS Pro, Google Earth Engine, QGIS, PostgreSQL+PostGIS, VS Code, GitHub

R Teacher *Online*
UDEMY *July 2023 –> Present*
- COURSES — https://adrian-cidre.com/courses.html

Wildland Firefighter *Galicia - Spain*
REPOBLACIÓN Y BOSQUETES, S.A. *Summer 2021 –> Summer 2022*
- 2022 — Technician of wildland fire helitack crew
- 2021 — Foreman of wildland fire helitack crew

Forestry Erasmus Internship *Brno - Czech Republic*
UNIVERSITY OF BRNO *March 2021 –> May 2022*
- TASKS — Reforestation, pruning, forest inventory

Wildland Firefighter *Galicia - Spain*
DEMONTES, S.L. *Summer 2020*
- 2020 — Wildland firefighter at helitack crew

Wildland Firefighter *Galicia - Spain*
DEMONTES, S.L. *Summer 2019*
- 2019 — Wildland firefighter at helitack crew

Wildland Firefighter *Galicia - Spain*
EMPRESA PÚBLICA DE SERVICIOS AGRARIOS GALEGOS, S.A. *Summer 2018*
- 2018 — Wildland firefighter at terrestial crew

Forestry Internship

Servitec Medioambiente, S.L.

- TASKS — Data analysis in QGIS, forest inventory

Skills

Programming Languages

R, JavaScript for Google Earth Engine, Python

Other Languages

Markdown, CSS, HTML, SQL

Toolkit

RStudio, Shiny & Shiny Server, Quarto, ArcGIS Pro, QGIS, PostgreSQL & PostGIS, MongoDB Atlas, Git & GitHub, Docker

Projects

LIFE-FAGESOS WP2 — FAGESOS-GIS: Creation of a GIS-based service platform for disease impact and risk assessment

University of Córdoba

LIFE Project

2022

- Developed models of Phytophothora cinnamomi risk at Occidental Europe level

Fragmentation and and connectivity in dehesa ecosystems associated to Cerambycids dispersion in Sierra Morena: A Graph-Theory approach

University of Córdoba

Bachelor Thesis

2022

Complementary Edutation

Business Science University

- Data Science for Business Part 1
- Data Science for Business Part 2
- Shiny Web Applications Part 1
- Shiny Web Applications Part 2
- High Performance Time Series (in progress)

Courses of R in Udemy

- R Shiny Interactive Web Apps - Next Level Data Visualization
- Artificial Intelligence Bootcamp in R Programming
- Survival Analysis in R
- Spatial Data Analysis with R and QGIS
- Learn ggplot2 in R for Data Visualization
- Curso avanzado de estadística multivariante con R y Python
- Ecology in R

Other Courses in Udemy

- Mastering Data Visualization: Theory and Foundations
- Introduction to Spatial Databases with PostGIS and QGIS 3
- Python for Data Science and Machine Learning Bootcamp
- Google Earth Engine y Machine Learning: de cero a experto

Other relevant courses

- Inventarios Naturales de Flora y Fauna