

# Adrián Cidre González

FORESTRY RESEARCHER

Norwegian University of Life Sciences

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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 remote sensing, applications development, 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. In my toolkit I include R, Python, Google Earth Engine, Shiny, Quarto, DuckDB, among others.*

## Education

### Master in Geomatics, Remote Sensing and Spatial Models Applied to Forest Management

UNIVERSITY OF CÓRDOBA

Córdoba, Spain

2022-2023

### Expert Title in Advance Applied Statistics

NATIONAL UNIVERSITY OF DISTANCE EDUCATION

Online

2022-2023

### Bachelor in Forestry and Landscape Engineering

UNIVERSITY OF SANTIAGO DE COMPOSTELA

Lugo, Spain

2018-2022

### SICUE Exchange Programme - Forestry Engineering

UNIVERSITY OF CÓRDOBA

Córdoba, Spain

09/2021-02/2022

### Erasmus - Forestry Engineering

UNIVERSITY OF EASTERN FINLAND

Joensuu, Finland

01/2021-06/2021

### Certificate of Higher Education in Forestry

IES PLURILINGÜE SAN ROSENDO

Mondoñedo, Spain

2016-2018

## Work Experience

### Assistant Technician

NORWEGIAN UNIVERSITY OF LIFE SCIENCES

Ås - Norway

March 2024 -> May 2024

- Erasmus+ Internship

### Forest Engineer - GIS

UNIVERSITY OF CÓRDOBA

Córdoba - Spain

September 2022 -> December 2023

- PROJECT — LIFE-FAGESOS
- LANGUAGES USED — R, Markdown, SQL, HTML, CSS
- TOOLS USED — RStudio, Shiny, Quarto, ArcGIS Pro, Google Earth Engine, QGIS, PostgreSQL+PostGIS, VS Code, GitHub, Docker

### R Teacher

UDEMY

Online

July 2023 -> Present

- COURSES — <https://adrian-cidre.com/courses.html>

### Wildland Firefighter

REPOBLACIÓN Y BOSQUETES, S.A.

Galicia - Spain

Summer 2021 -> Summer 2022

- 2022 — Technician of wildland fire helitack crew
- 2021 — Foreman of wildland fire helitack crew

### Forestry Erasmus Internship

UNIVERSITY OF BRNO

Brno - Czech Republic

March 2021 -> May 2022

- TASKS — Reforestation, pruning, forest inventory

### Wildland Firefighter

DEMONTES, S.L.

Galicia - Spain

Summer 2020

- 2020 — Wildland firefighter at helitack crew

### Wildland Firefighter

DEMONTES, S.L.

Galicia - Spain

Summer 2019

- 2019 — Wildland firefighter at helitack crew

## Wildland Firefighter

EMPRESA PÚBLICA DE SERVICIOS AGRARIOS GALEGOS, S.A.

- 2018 — Wildland firefighter at terrestrial crew

*Galicia - Spain*

*Summer 2018*

## Forestry Internship

SERVITEC MEDIOAMBIENTE, S.L.

- TASKS — Data analysis in QGIS, forest inventory

*Galicia - Spain*

*March 2018 June 2018*

# Skills

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## Programming Languages

R (TOP SKILL), PYTHON

## Expertise

GEOSPATIAL DATA, DATA ANALYSIS, DATA SCIENCE, MACHINE LEARNING, DEEP LEARNING, COMPUTER VISION, APPLICATIONS DEVELOPMENT

## Toolkit

R & PYTHON, SHINY, QUARTO, GOOGLE EARTH ENGINE, QGIS, POSTGRESQL & POSTGIS, DUCKDB, HTML & CSS, MONGODB, GIT & GITHUB, DOCKER

# Projects

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## A Combined Habitat Suitability and Process-Based Model to Assess the Suitable Habitat and Virulence Potential of *Phytophthora cinnamomi* in Mediterranean Forest Ecosystems

UNIVERSITY OF CÓRDOBA

- Accésit from SECF

*Master Thesis*

*2023*

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

UNIVERSITY OF CÓRDOBA

- Developed models of *Phytophthora cinnamomi* risk at Occidental Europe level

*LIFE Project*

*2023*

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

UNIVERSITY OF CÓRDOBA

- <https://doi.org/10.3390/f15040648>

*Bachelor Thesis*

*2022*

# Complementary Education

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## 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

## 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
- The Complete SQL Bootcamp: Go from Zero to Hero
- 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