



# Adrián Cidre González

FORESTRY RESEARCHER

Gesplan S.A. | University of Córdoba

✉ adrian.cidre@gmail.com | 🏠 adrian-cidre.com | 📷 Cidree | 🌐 adrian-cidre

*I have a strong background in forest sciences with special interest on remote sensing 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

### PhD in Biosciences and Agri-food Sciences

UNIVERSITY OF CÓRDOBA

Córdoba, Spain

2024-Current

### 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

### Certificate of Higher Education in Forestry

IES PLURILINGÜE SAN ROSENDO

Mondoñedo, Spain

2016-2018

## Work Experience

### Forest Engineer

GESPLAN S.A. - CANARY PINE SILVICULTURE

Tenerife - Spain

January 2025 -> Present

### Forestry Engineer - Geomatics

UNIVERSITY OF CÓRDOBA - BIO+A MÁLAGA PROJECT

Córdoba - Spain

September 2024 -> December 2024

### Forestry Engineer - Geomatics

UNIVERSITY OF CÓRDOBA - LIFE FAGESOS

Córdoba - Spain

September 2022 -> December 2023

### R Instructor

UDEMY - [HTTPS://ADRIAN-CIDRE.COM/COURSES.HTML](https://adrian-cidre.com/courses.html)

Online

July 2023 -> Present

### Wildland Firefighter

REPOBLACIÓN Y BOSQUETES, S.A. - AERIAL SQUAD TECHNICIAN

Galicia - Spain

Summer 2022

### Wildland Firefighter

REPOBLACIÓN Y BOSQUETES, S.A. - AERIAL SQUAD CREW LEADER

Galicia - Spain

Summer 2021

### Wildland Firefighter

DEMONTES, S.L. - AERIAL SQUAD CREW MEMBER

Galicia - Spain

Summer 2020

### Wildland Firefighter

DEMONTES, S.L. - AERIAL SQUAD CREW MEMBER

Galicia - Spain

Summer 2019

### Wildland Firefighter

SEAGA, S.A. - GROUND BRIGADE CREW MEMBER

Galicia - Spain

Summer 2018

### Forestry Technician

SERVITEC MEDIOAMBIENTE, S.L. - FOREST INVENTORY

Galicia - Spain

March 2018 -> June 2018

# Mobility

---

## Erasmus+ Internship - Research Assistant

NORWEGIAN UNIVERSITY OF LIFE SCIENCES

Ås, Norway

March 2024 -> May 2024

## Erasmus+ Internship - Forestry

MENDEL UNIVERSITY IN BRNO

Brno, Czech Republic

March 2022 -> May 2022

## SICUE - Study Mobility

UNIVERSITY OF CÓRDOBA

Córdoba, Spain

September 2021 -> February 2022

## Erasmus+ - Study Mobility

UNIVERSITY OF EASTERN FINLAND

Joensuu, Finland

January 2021 -> June 2021

# Skills

---

## Programming Languages

R (TOP SKILL), PYTHON

## Expertise

GEOSPATIAL DATA, REMOTE SENSING, DATA ANALYSIS, DATA SCIENCE, MACHINE LEARNING, DEEP LEARNING, COMPUTER

VISION, SHINY APPLICATIONS

## Toolkit

R & PYTHON, SHINY, QUARTO, GOOGLE EARTH ENGINE, QGIS, ORFEO TOOLBOX, POSTGRESQL & POSTGIS, DUCKDB, HTML &

CSS, MONGODB, GIT & GITHUB, DOCKER

# Projects

---

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

UNIVERSIDAD DE CÓRDOBA - [HTTPS://DOI.ORG/10.1016/J.ECOLMODEL.2025.111115](https://doi.org/10.1016/j.ecolmodel.2025.111115)

Master Thesis - Published

2023

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

UNIVERSITY OF CÓRDOBA

LIFE Project

2023

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

UNIVERSIDAD DE CÓRDOBA - [HTTPS://DOI.ORG/10.3390/F15040648](https://doi.org/10.3390/F15040648)

Bachelor Thesis - Published

2022

# Rpackages

---

## duckspatial

A SMALL WRAPPER AROUND READING/WRITING FUNCTIONS TO DUCKDB DATABASE IN R.

## forestdata

IT INCLUDES FUNCTIONS TO RETRIEVE FORESTRY AND LAND COVER DATA FROM VARIOUS SOURCES.

## OTBsegm

AN R PACKAGE FOR UNSUPERVISED SEGMENTATION ALGORITHMS INCLUDED IN ORFEO TOOLBOX

## rpostgis

INTERFACE BETWEEN R AND POSTGIS-ENABLED POSTGRESQL DATABASES.

## silviculture

AN R PACKAGE TO ACCELERATE THE ANALYSIS OF FOREST INVENTORY DATA.

## 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

## Formation in Udemy

- Machine Learning A-Z: AI Python & R + ChatGPT Prize (2024)
- 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
- 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
- CSS - The Complete Guide 2024
- YOLOv7, YOLOv8, YOLOv9 - Deep Learning Course
- GitHub Actions - The Complete Guide

## Forestry Formation

- Inventarios Naturales de Flora y Fauna (75 hours)
- Incendios Forestales - Efectos Medioambientales (120 hours)
- Restauración ecológica de ecosistemas forestales (50 hours)
- Sistemas de Información Geográfica con QGIS (60 hours)
- Incendios Forestales - Efectos Medioambientales (120 hours)