



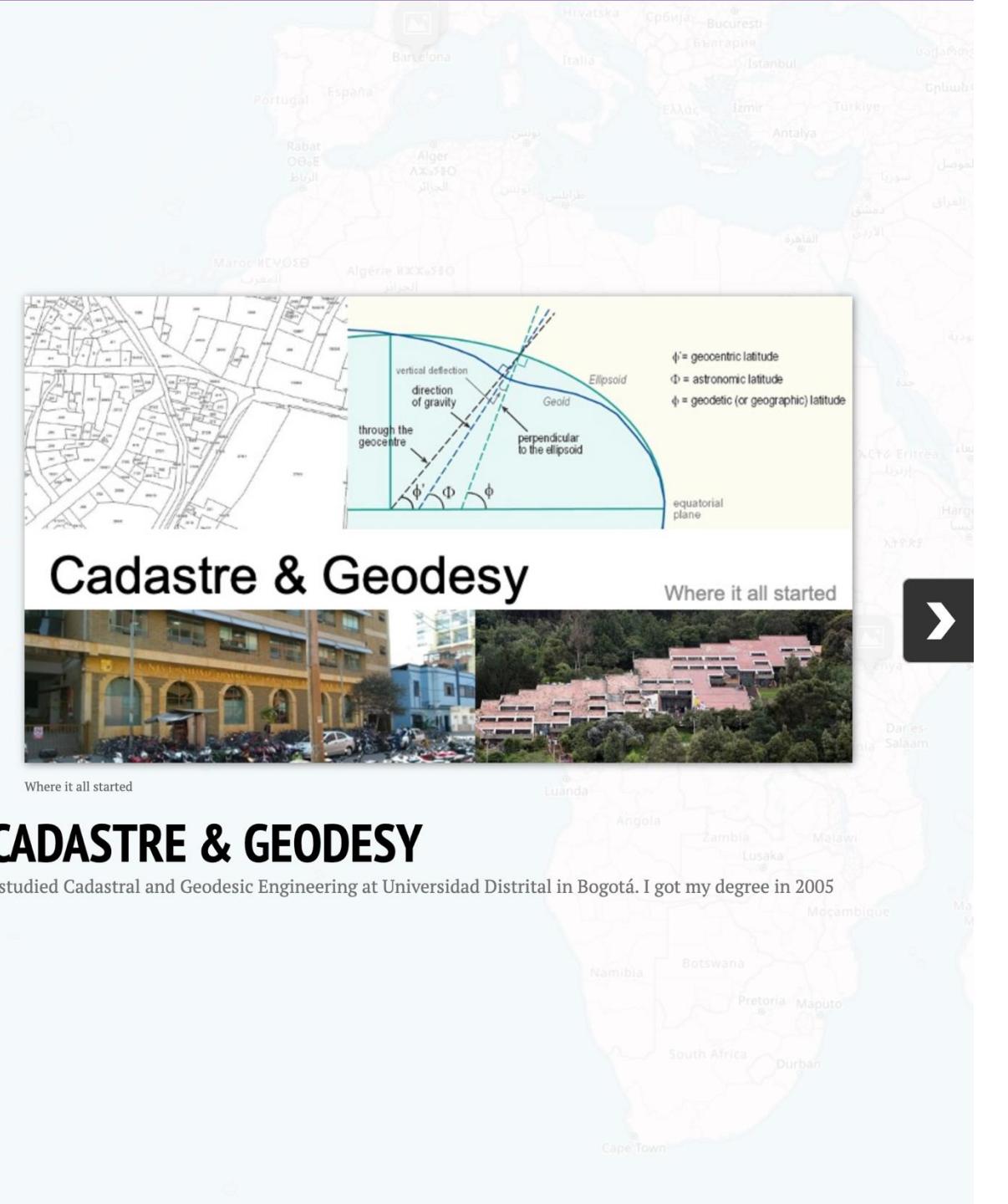
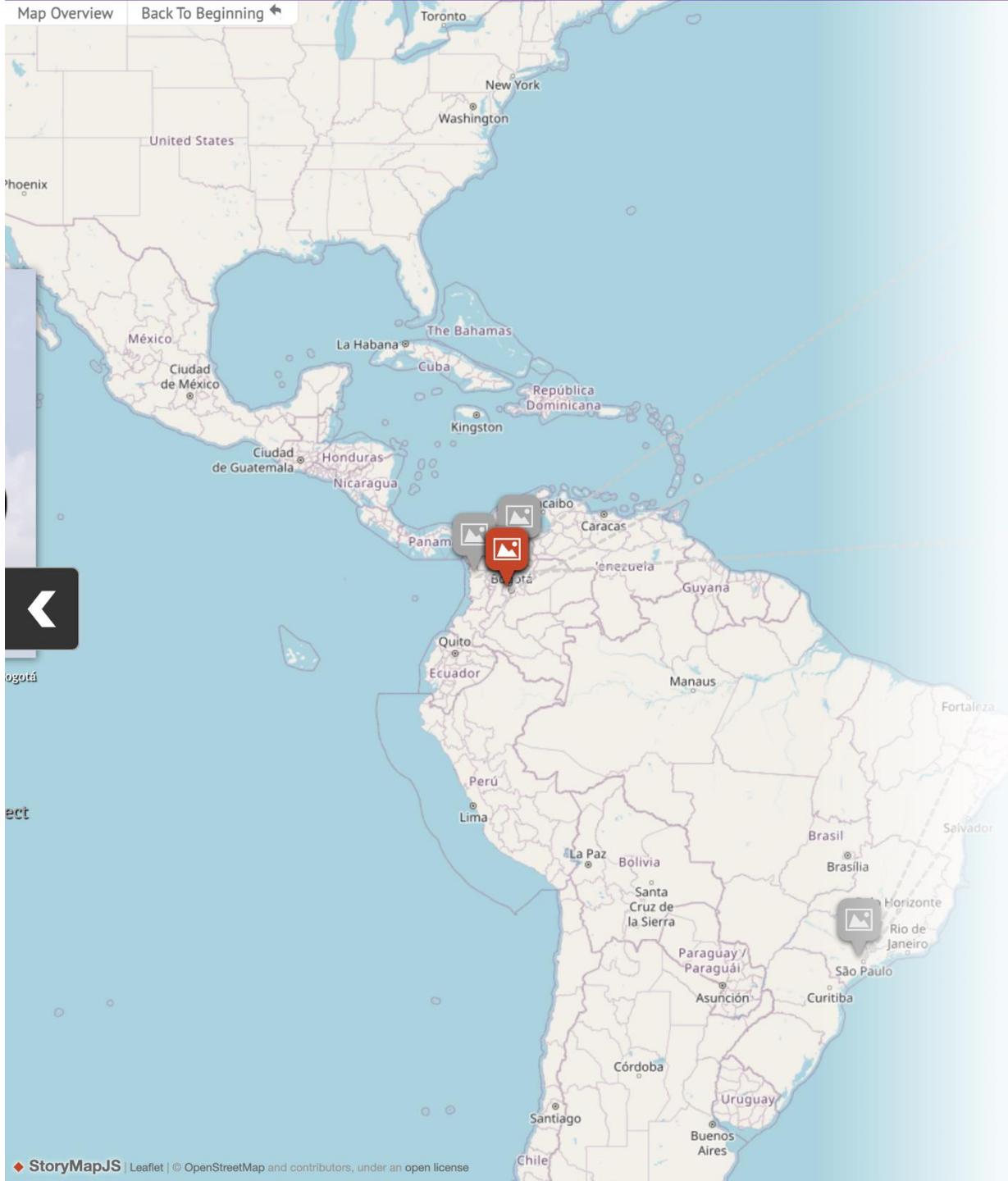
U. distrital Bogotá

Where it all started

## A SHORT GEO-MAP-STORY

How Diego Pajarito Grajales ended working from Nairobi for the IDEAMAPS Project

Start Exploring



## Cadastre & Geodesy

Where it all started



Where it all started

## CADASTRE & GEODESY

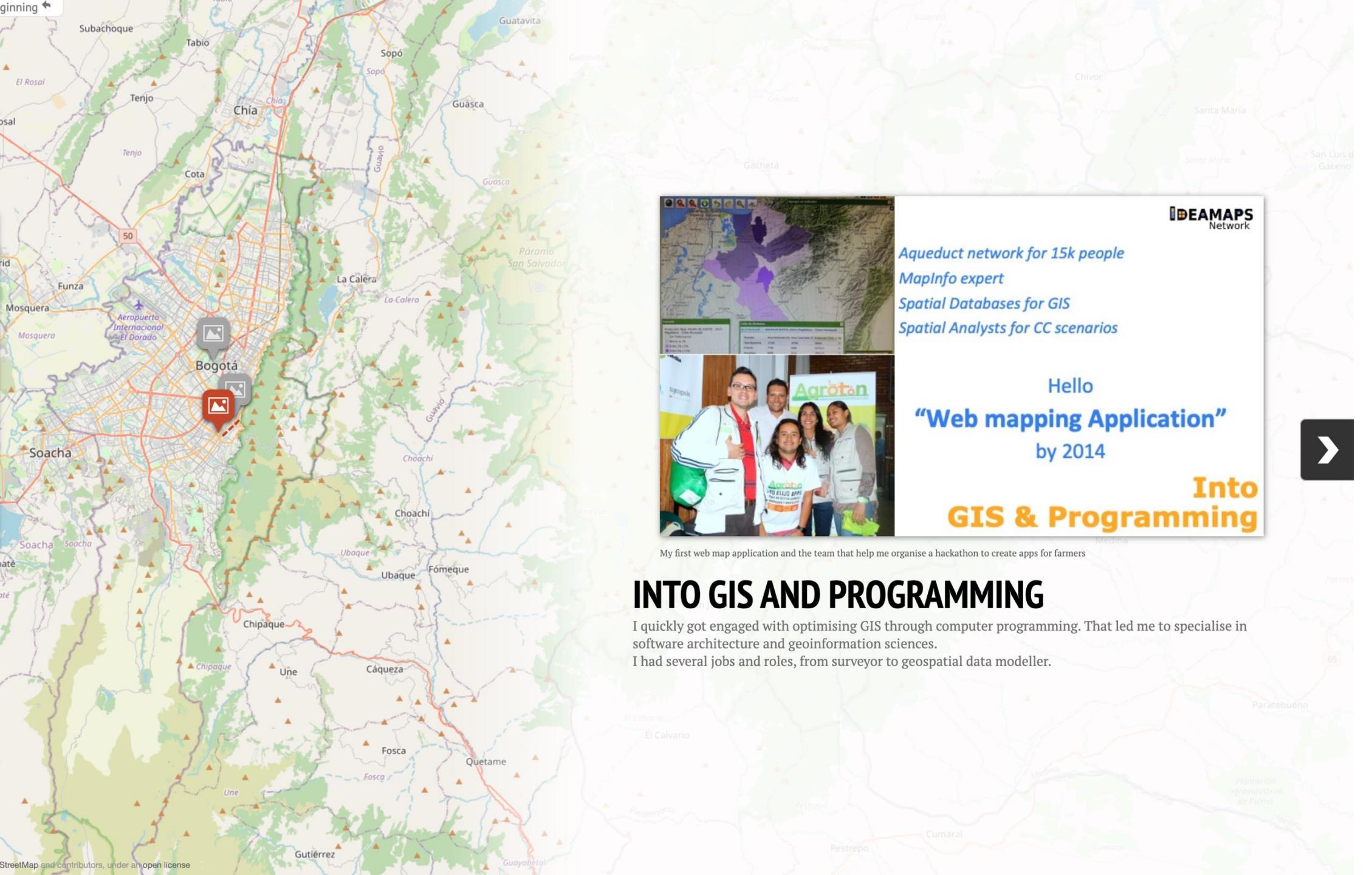
I studied Cadastral and Geodesic Engineering at Universidad Distrital in Bogotá. I got my degree in 2005



φ = geocentric latitude  
Φ = astronomic latitude  
ψ = geodetic (or geographic) latitude  
equatorial plane



I got my degree in 2005



IDEAMAPS  
Network

Aqueduct network for 15k people  
MapInfo expert  
Spatial Databases for GIS  
Spatial Analysts for CC scenarios

Hello  
“Web mapping Application”  
by 2014

Into  
GIS & Programming

My first web map application and the team that help me organise a hackathon to create apps for farmers

## INTO GIS AND PROGRAMMING

I quickly got engaged with optimising GIS through computer programming. That led me to specialise in software architecture and geoinformation sciences.

I had several jobs and roles, from surveyor to geospatial data modeller.



**I**DEAMAPS  
Network

16

5

## **application”**

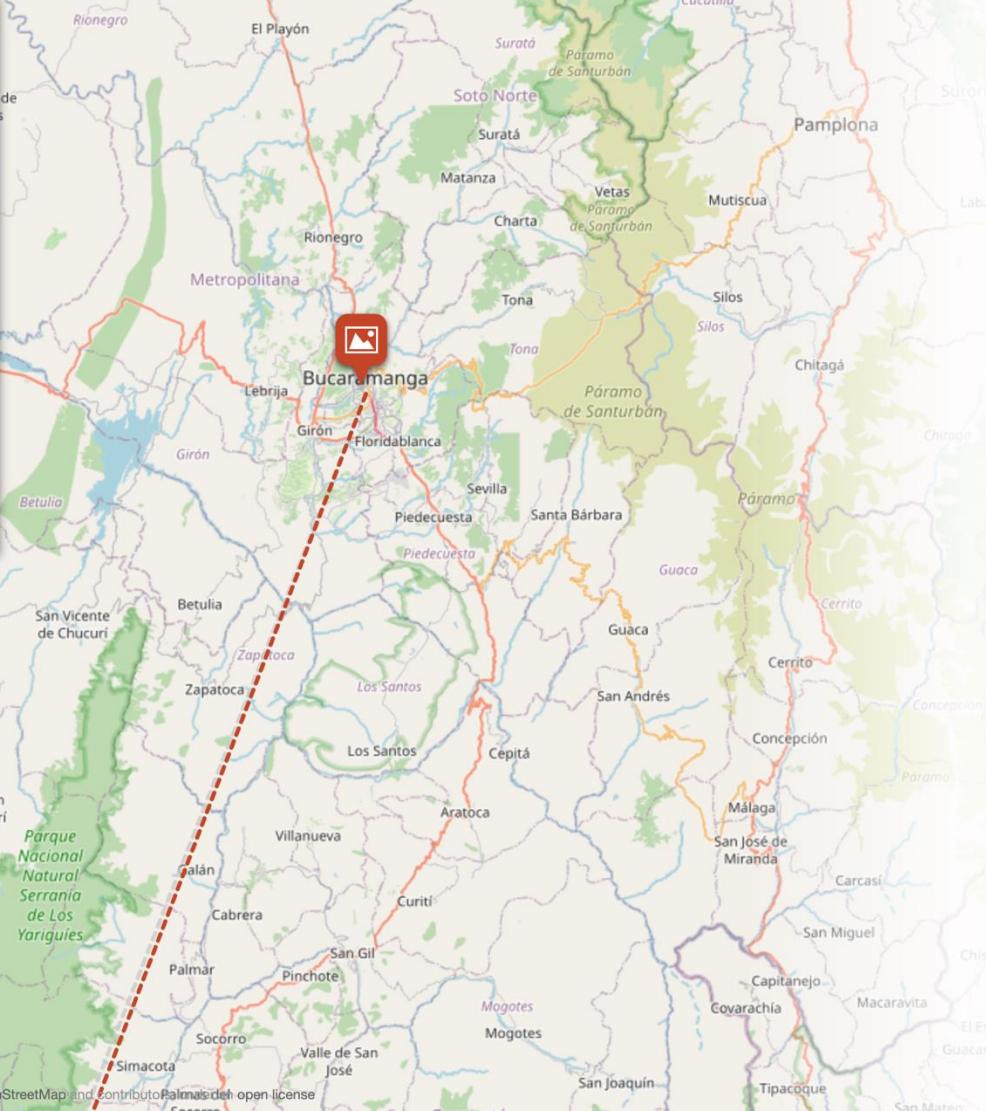


# Introducing

led me to specialise in

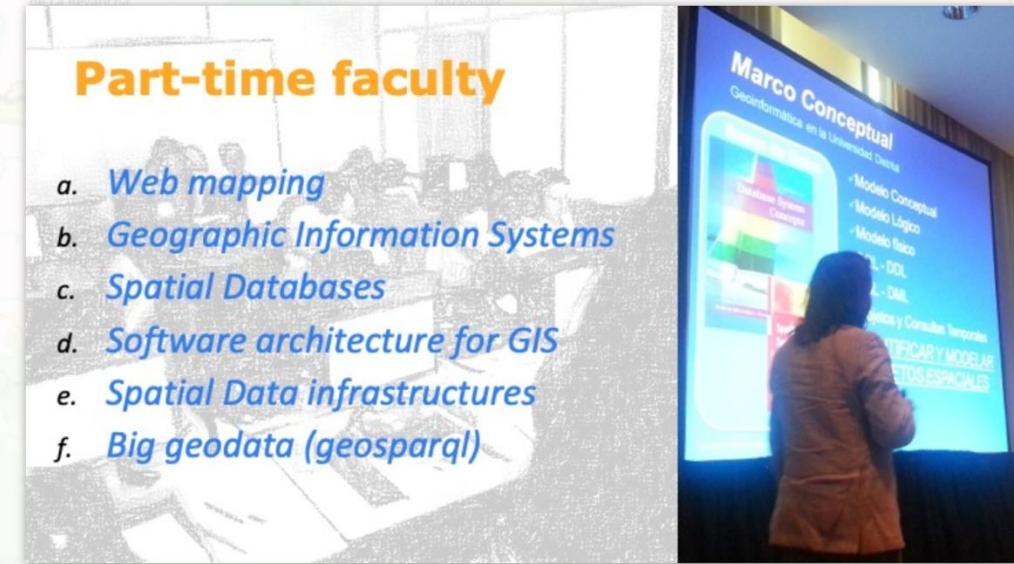
A map of the northern part of Colombia, specifically the departments of Norte de Santander and Santander. It highlights the Magdalena River and its tributaries. Two locations are marked: 'El Carmen de Chucurí' near the confluence of the Magdalena and Cesar rivers, and 'Parque Nacional Natural Serranía de Los Yariguies' in the eastern Andes mountain range.

◆ StoryMapJS Leaflet © OpenStreetMap and contributors Palma de Mallorca open license



## Part-time faculty

- a. *Web mapping*
  - b. *Geographic Information Systems*
  - c. *Spatial Databases*
  - d. *Software architecture for GIS*
  - e. *Spatial Data infrastructures*
  - f. *Big geodata (geosparql)*



## My courses and me as a speaker

## **PART-TIME FACULTY TEACHER**

I found lots of excitement in sharing my knowledge with younger generations. I developed an exciting portfolio of courses, mainly for master's.



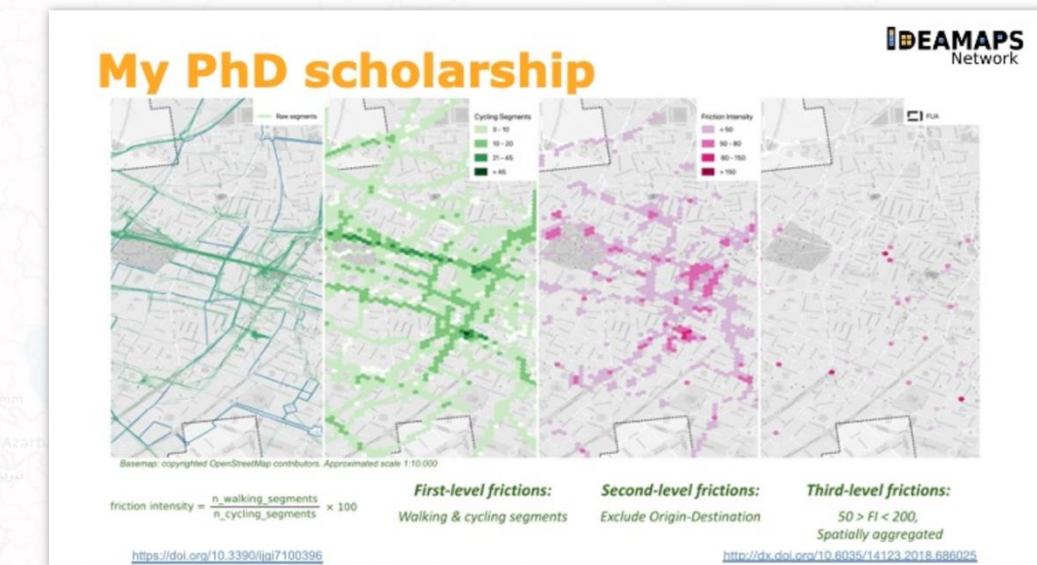
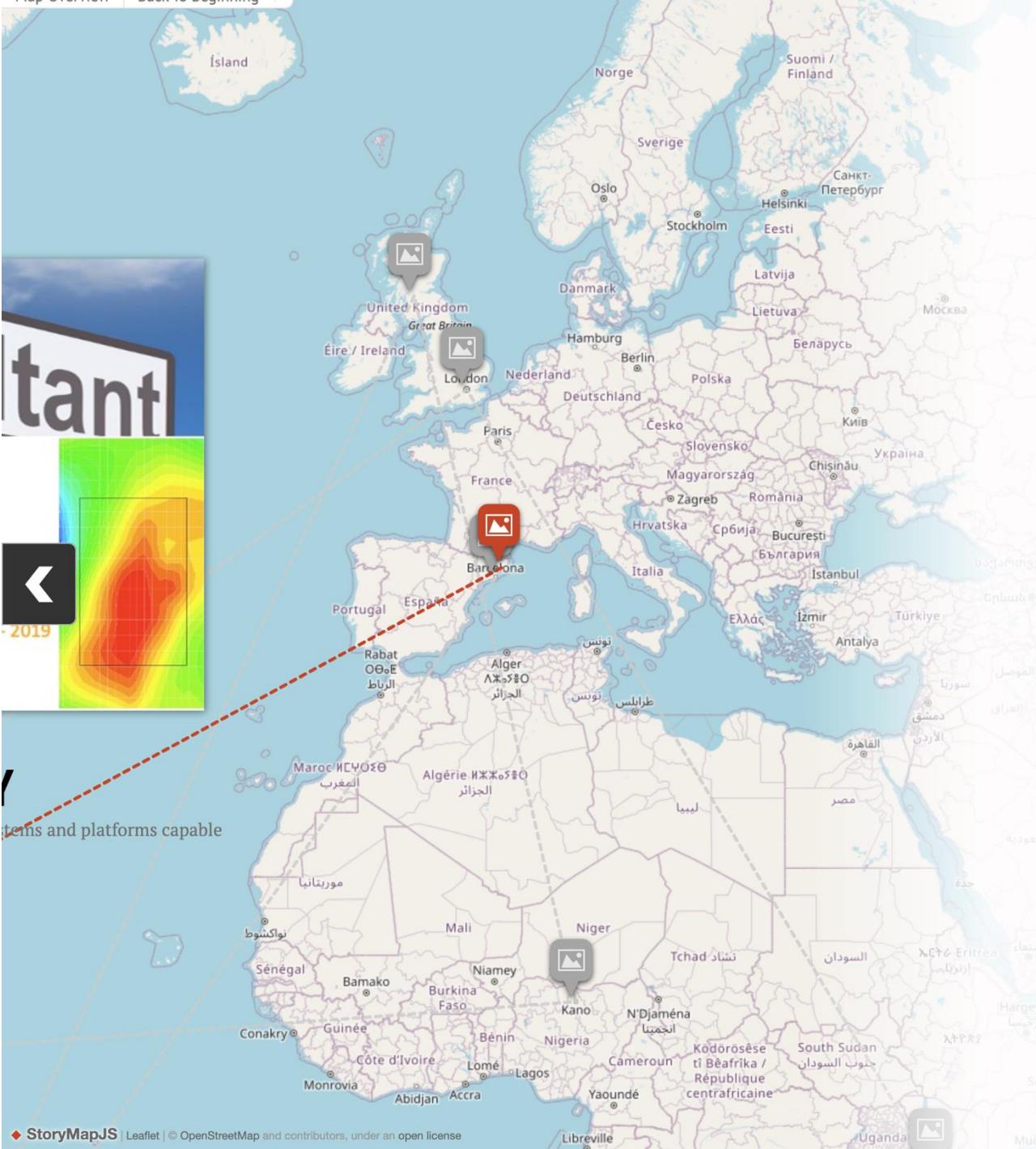
# Consultant

*Climate change vulnerability* UNDP - 2012  
*National illegal drugs observatory* Gov of Col - 2013  
*Enterprise architecture* Gov of Col - 2015  
  
*Integrated geospatial data framework* World Bank - 2019  
*IT for cadastral systems* Gov of Col - 2020

A short list of my positions

## I HIT PROFESSIONAL CONSULTANCY

I move across multiple national and international organisations to help build systems and platforms capable of managing geospatial data and more!!



One of the maps that summarises my PhD thesis

## FULLY INTO THE ACADEMIC CAREER

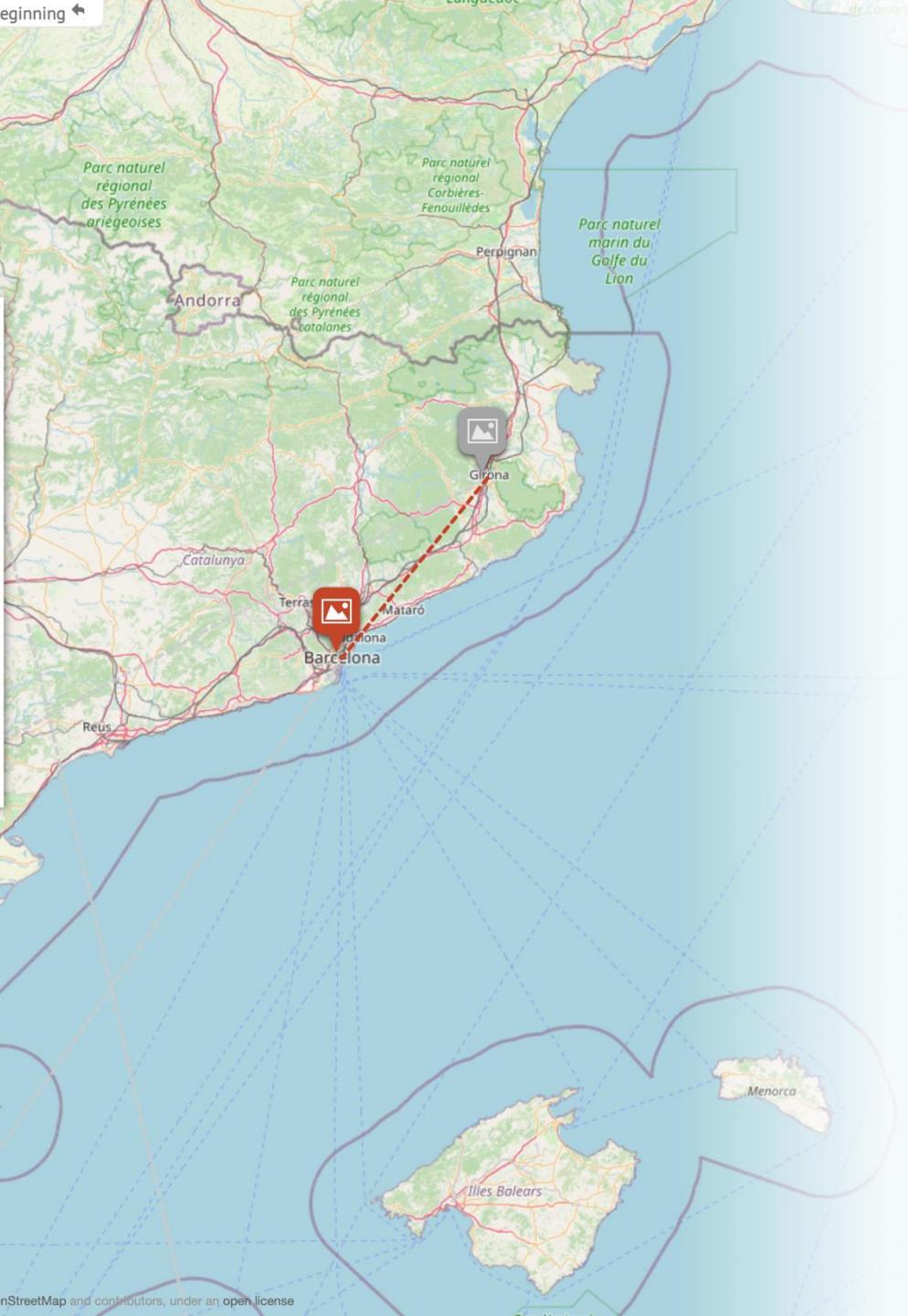
I got a Marie Curie Scholarship as part of the <https://geo-c.eu/> project.

I lived in Spain and Germany while I carried out my PhD research

My PhD thesis studied methods to identify places in which urban cyclists can find frictions

IDEAMAPS  
Network**Third-level frictions:**50 > Fl < 200,  
Spatially aggregated

Lora/10.6035/14123.2018.686025

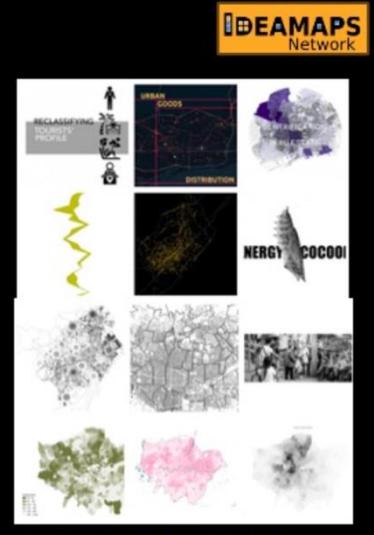


## Postdoc @ Catalunya

Institute for Advanced Architecture

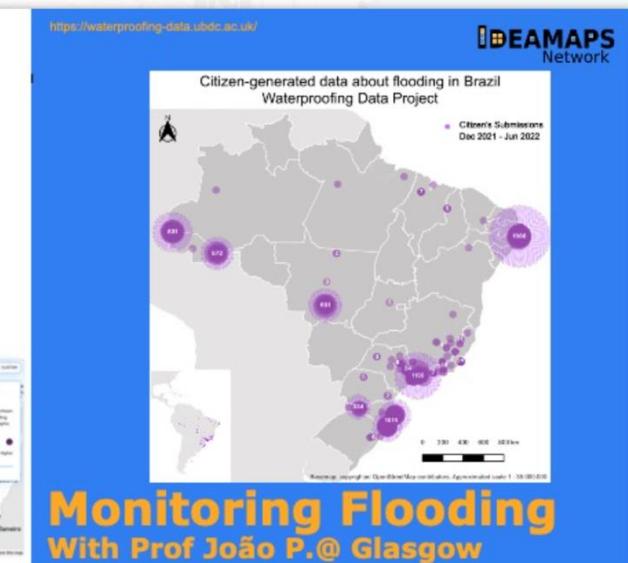
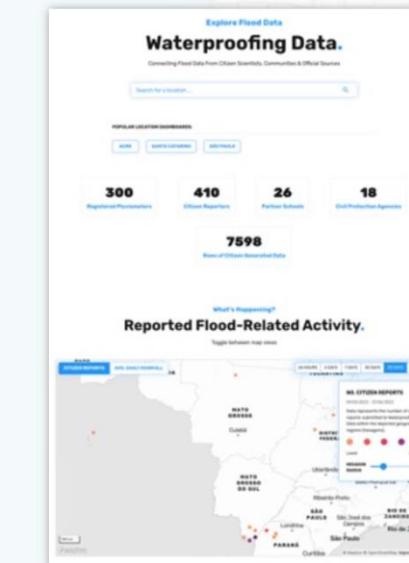
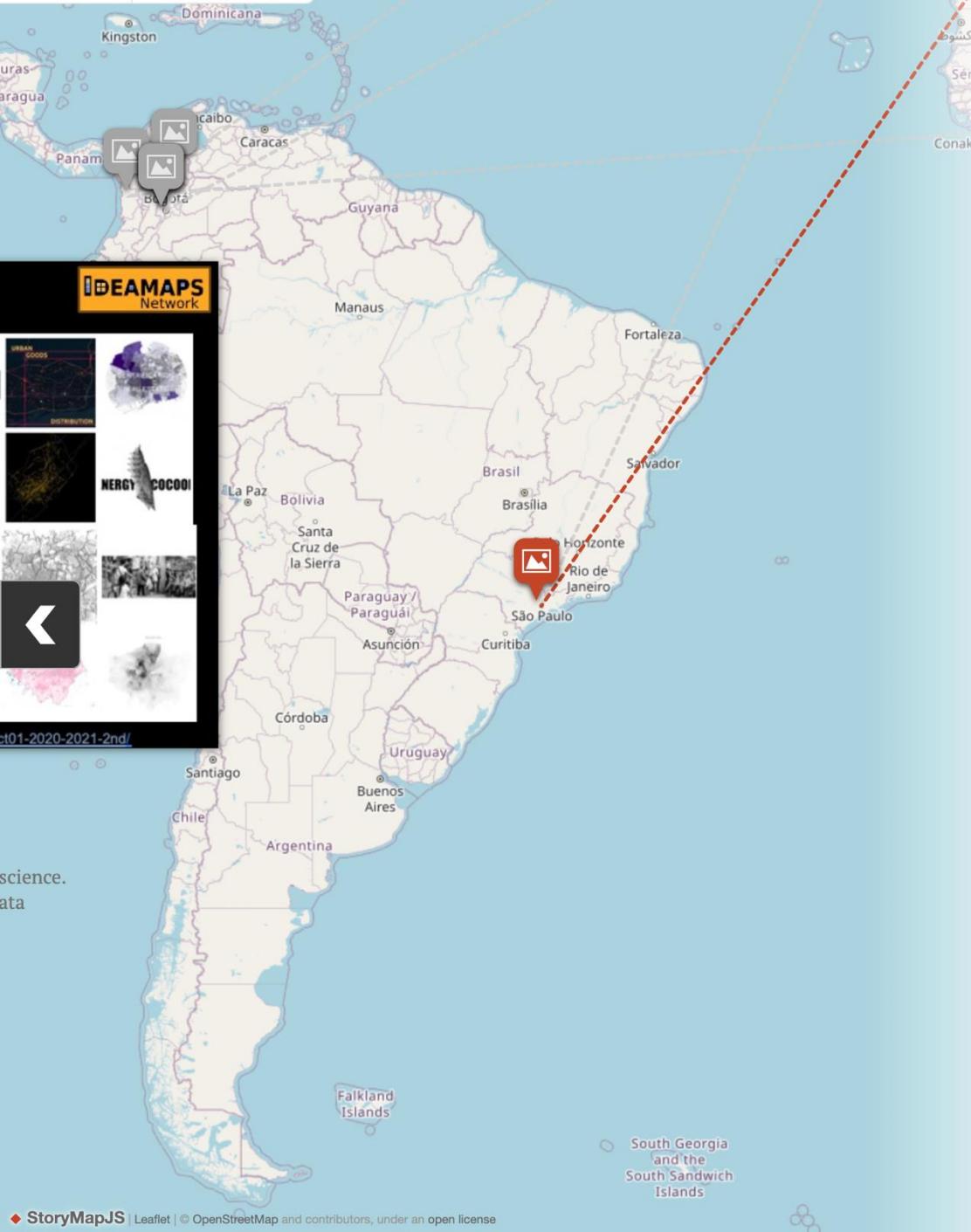
**Explore student's projects**
<https://www.iaacblog.com/programs/courses/mact/2020-2021-mact01/digital-tools-big-data-ii-mact01-2020-2021-2nd/>

Some of the work we build with students at IAAC



# POSTDOC AT CATALUNYA

I learned from non-conventional architects the importance of aesthetics in data science.  
 I learned from the multiple applications of computer programming and big geodata  
 Here you will find some of the [student's projects](#)



Our dashboard and maps

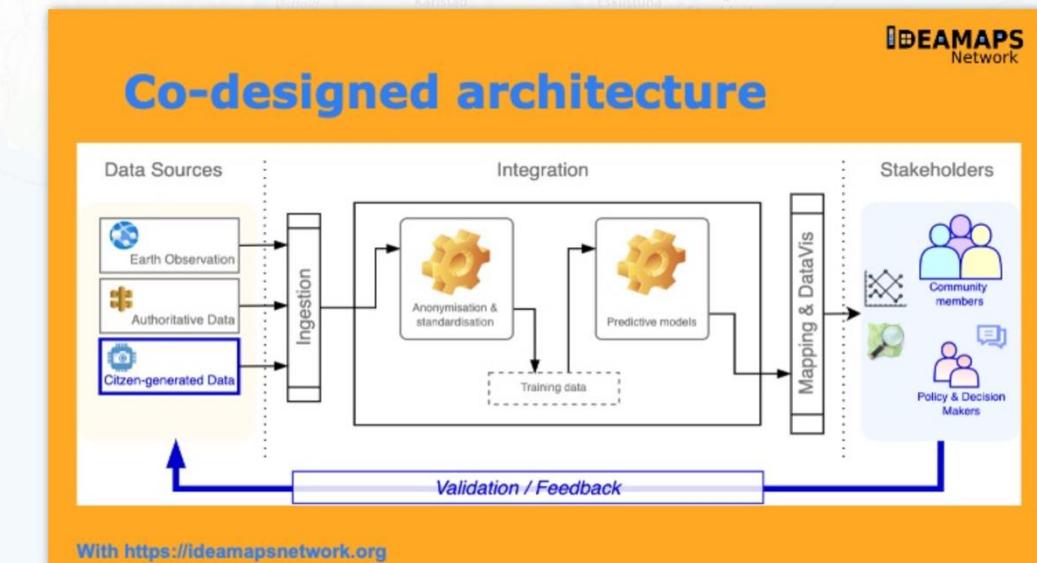
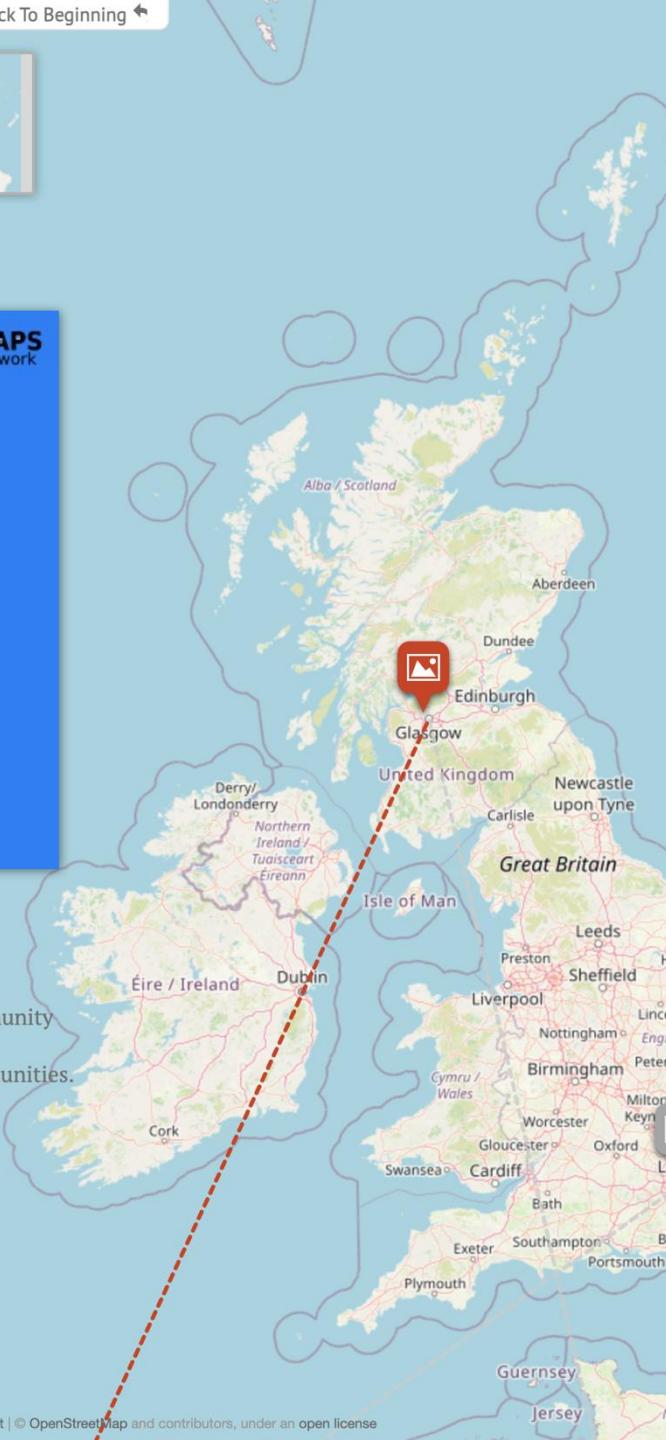
## MONITORING FLOODING

Through citizen science, we engaged teachers, school students and community members with community mapping.

A multidisciplinary team inspired me to open up my knowledge and use it to serve vulnerable communities. Explore our project here <https://waterproofing-data.ubdc.ac.uk/>

it flooding in Brazil  
a Project

\* Citizen Submissions  
Dec 2021 - Jun 2022



# CO-DESIGNED ARCHITECTURE

I joined the IDEAMAPS team aiming to build a platform that enables data integration, modelling, artificial intelligence and community validation of slum maps.

Learn about this project <https://ideamapsnetwork.org/>

IDEAMAPS  
Network

Stakeholders



Community members



Policy &amp; Decision Makers

Mapping &amp; DataVis



ation, modelling, artificial

intelligence

and machine learning

in health

and development

and gender

and environment

and climate

and society

and culture

and politics

and economy

and technology

and infrastructure

and resources

and energy

and water

and food

and shelter

and transport

and communication

and information

and knowledge

and skills

and experience

and memory

and imagination

and intuition

and直觉

和经验

和知识

和技能

和记忆

和直觉

和想象

和洞察力

和创造力

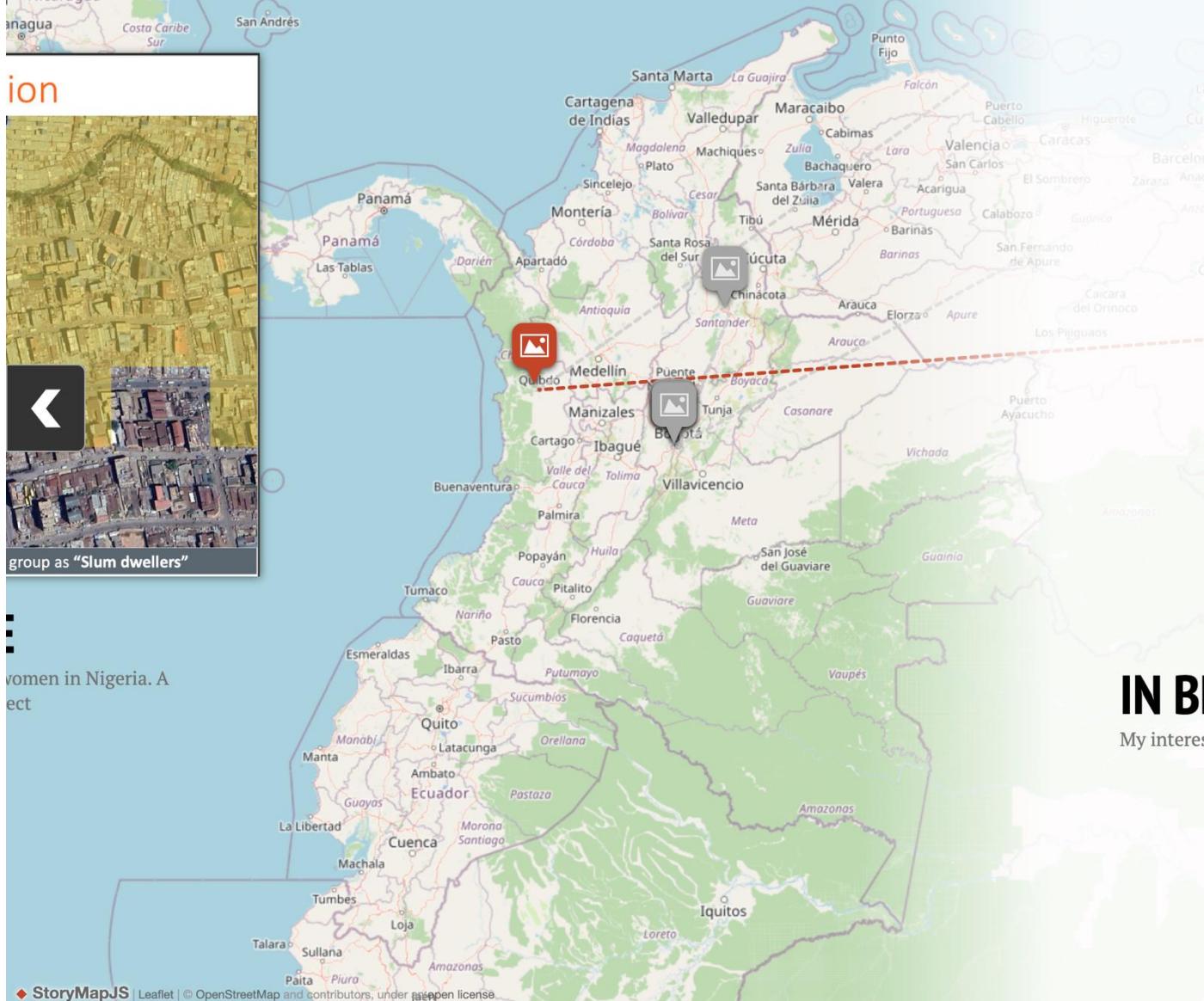
和好奇心



ion



women in Nigeria. A  
ect



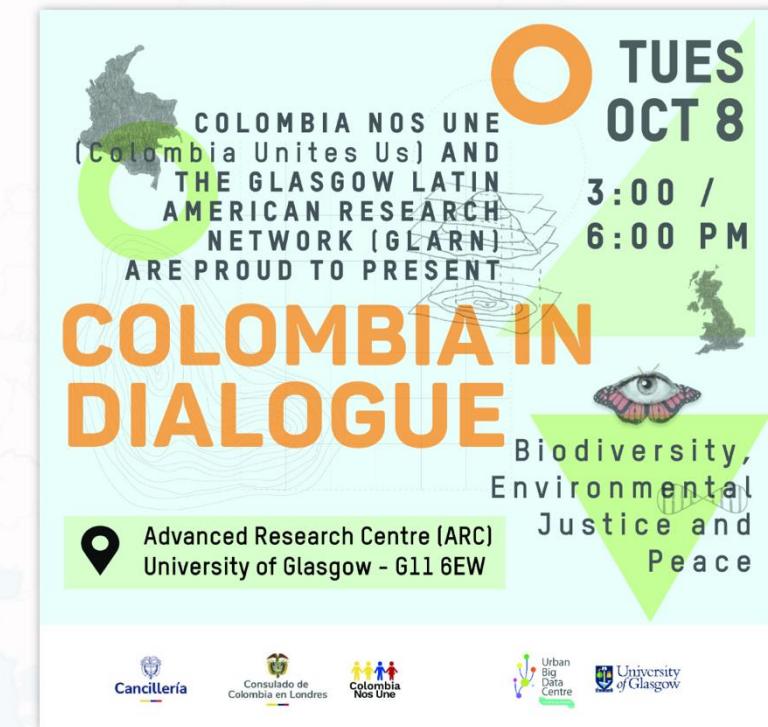
## ACES OF THE ATRATO PORTRAITS BY JAN NIMMO

in collaboration with Steve Cagan



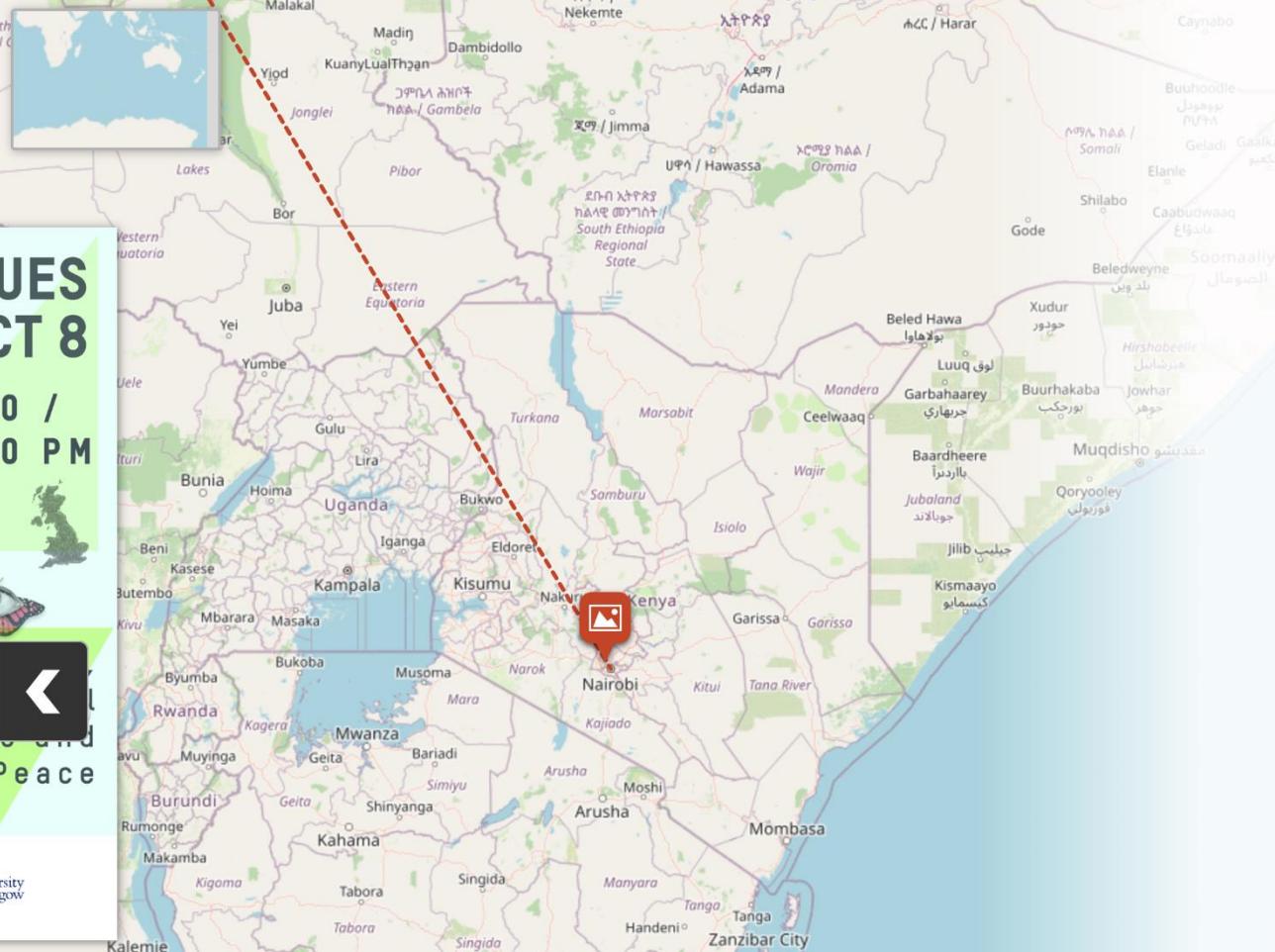
## IN BETWEEN "HERE" AND "THERE"

My interest in geospatial merges disciplines. I love linking places too.



# **ACTIVISM HAS BECOME PART OF MY LIFE**

My position and role have allowed me to put my skills into action. Willing to encourage change and empower immigrants while advocating for their/our rights.



UES  
CT 8  
0 /  
0 PM



Peace

rsity

Y LIFE

ourage change and empower



Ideamaps project and me

## IT WILL NOT END HERE

This is just a new chapter in this story. Keep tuned for updates.