

Where it all started

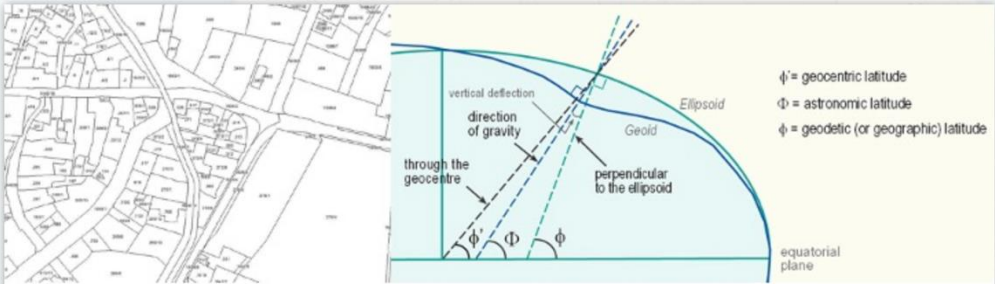
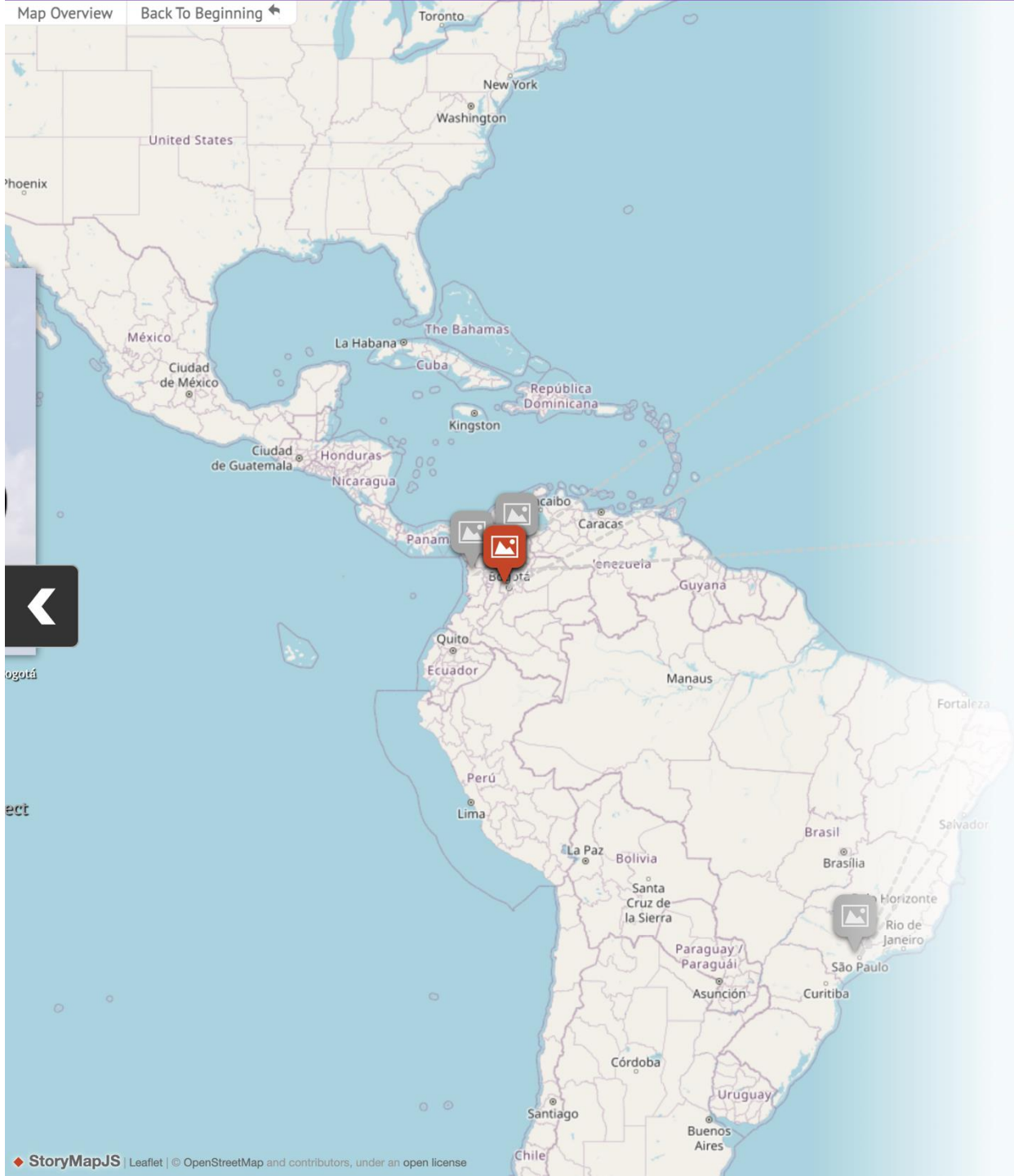
U. distrital Bogotá

# A SHORT GEO-MAP-STORY

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

Start Exploring





# Cadastral & Geodesy

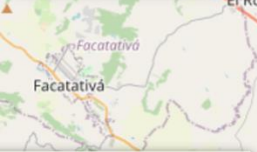
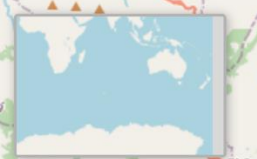
Where it all started



Where it all started

# CADASTRE & GEODESY

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



$\phi$  = geocentric latitude  
 $\Phi$  = astronomic latitude  
 $\psi$  = geodetic (or geographic) latitude  
equatorial plane



I got my degree in 2005



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

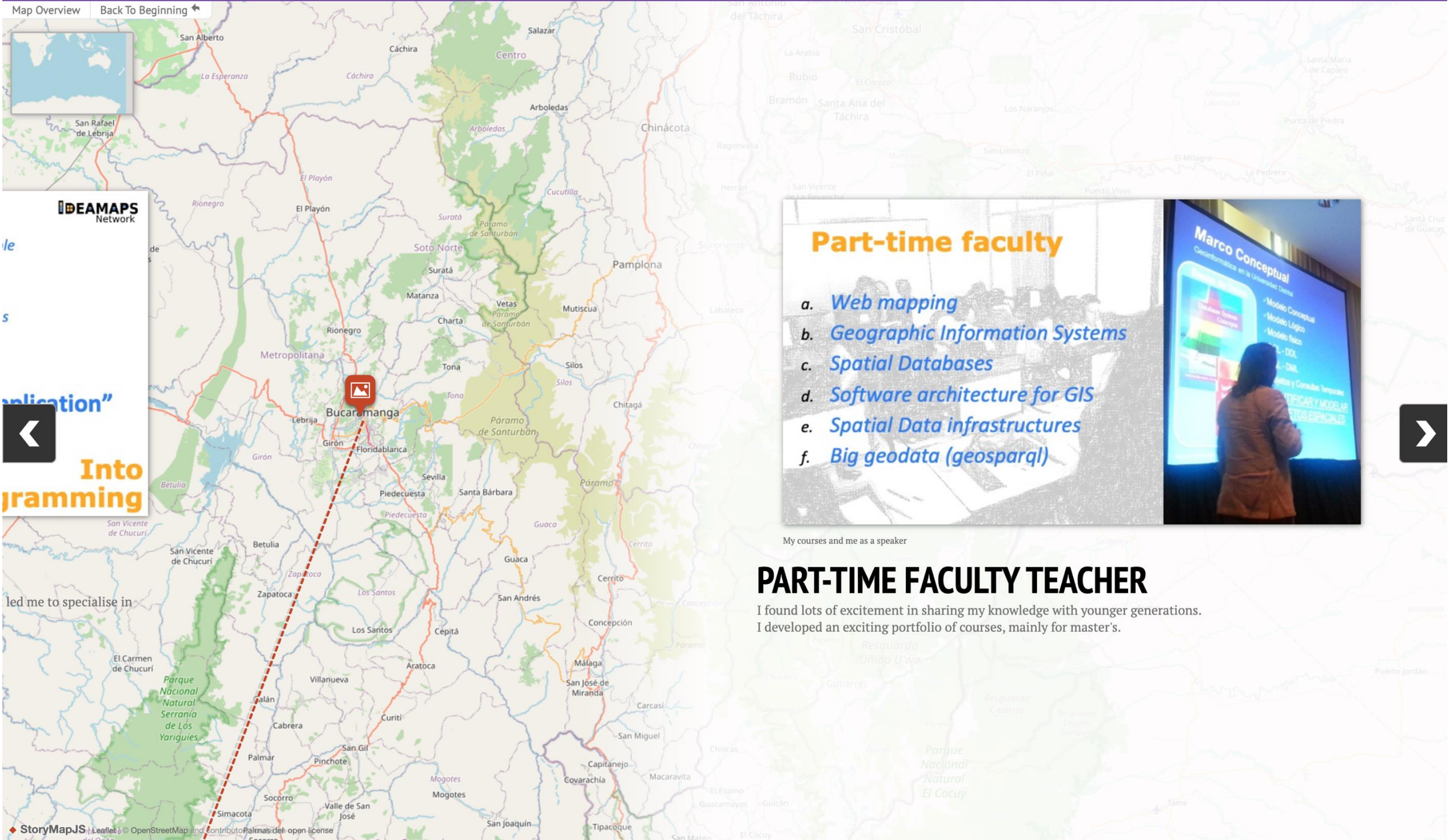
Hello  
"Web mapping Application"  
by 2014

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.



DEAMAPS Network

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Into

gramming

**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)*

Marco Conceptual

Geoinformática en la Universidad de los Andes

- Modelo Conceptual
- Modelo Lógico
- Modelo Físico
- L - DDL
- L - DML

Modelos y Consultas Temporales

ESTADÍSTICAS Y MODELOS ESPACIALES

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.



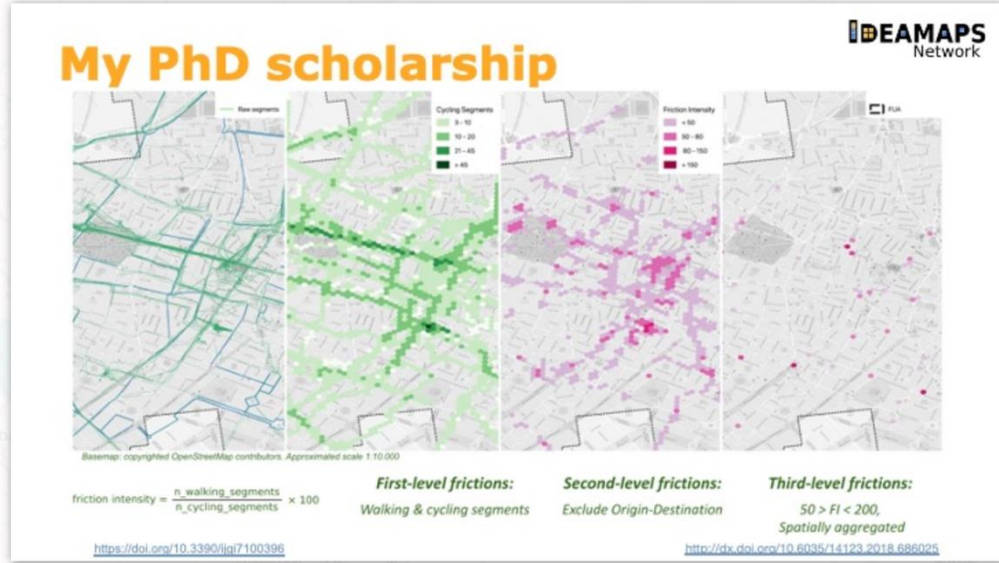
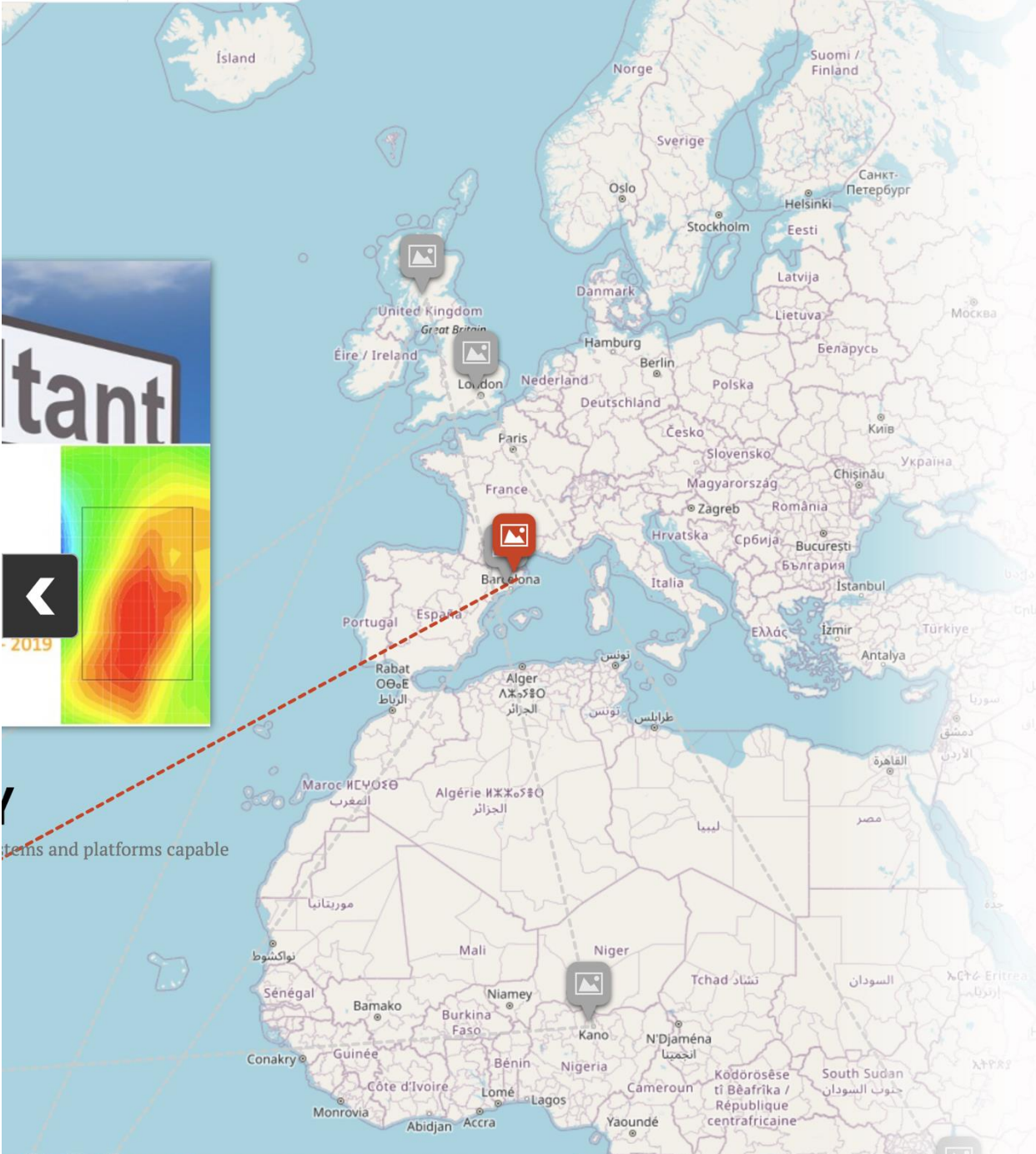
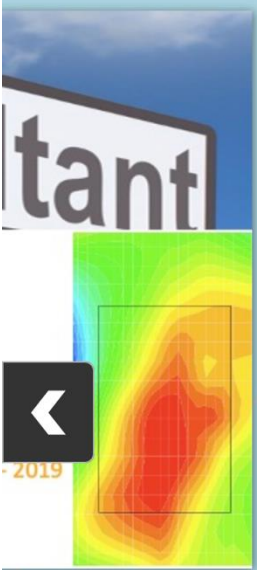
**Consultant**

- 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

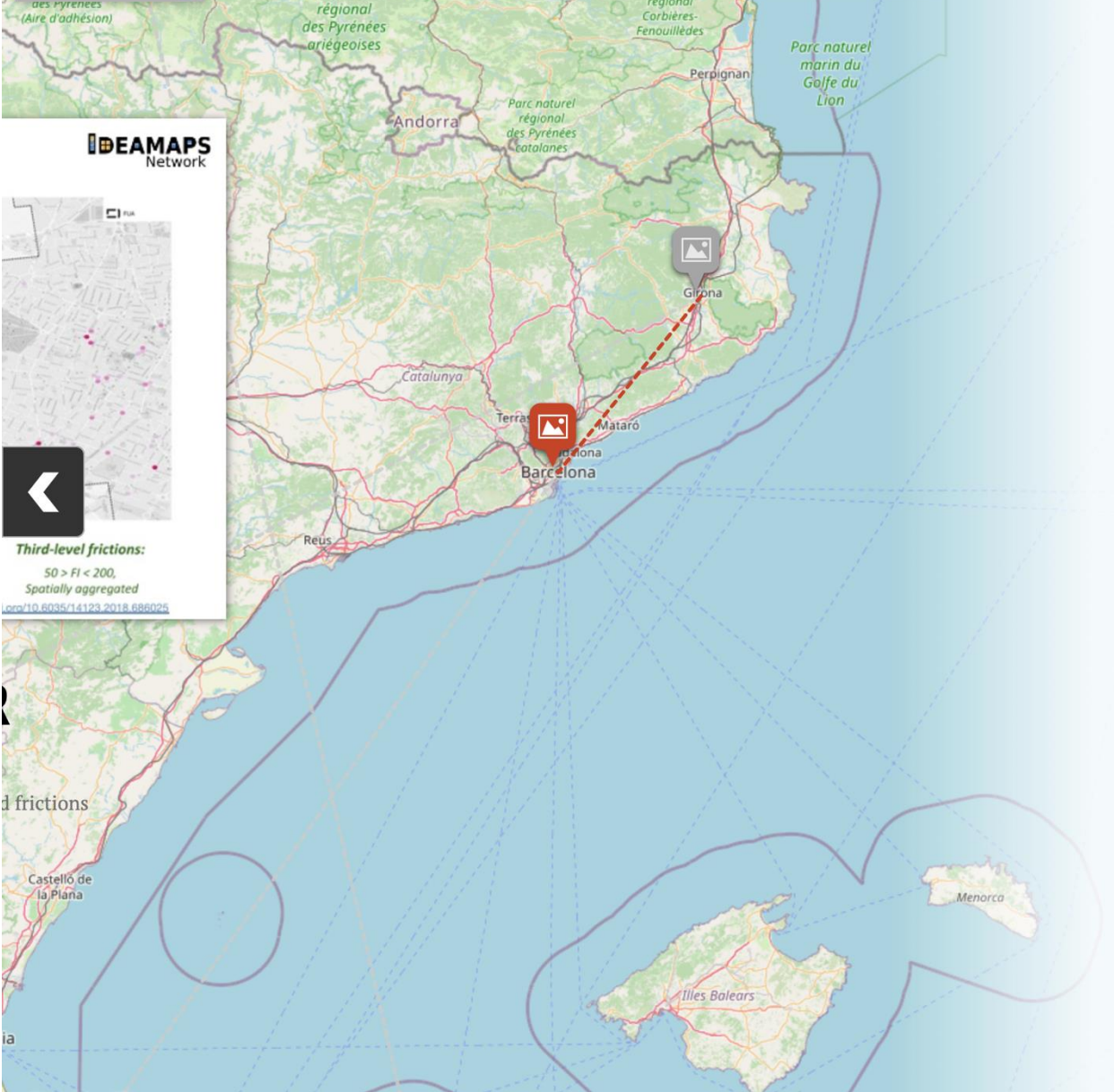
I move across multiple national and international organisations to help build systems and platforms capable of managing geospatial data and more!!



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



**DEAMAPS Network**

**Third-level frictions:**  
 $50 > FI < 200$ ,  
 Spatially aggregated

[https://www.iaaclog.com/ID\\_6035/14123\\_2018\\_686026](https://www.iaaclog.com/ID_6035/14123_2018_686026)

**DEAMAPS Network**

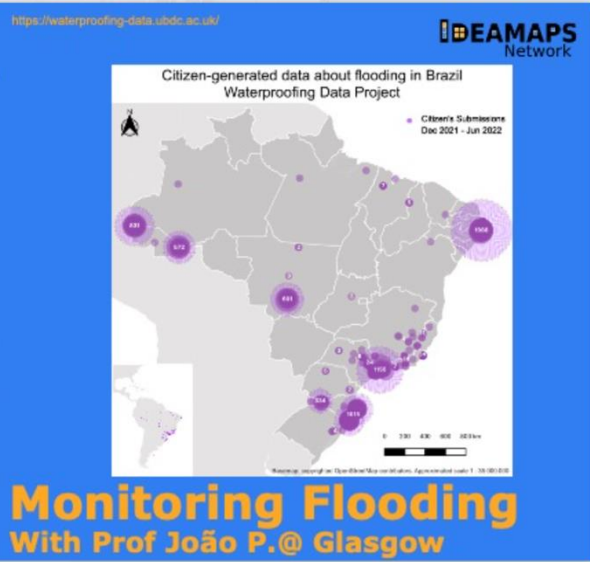
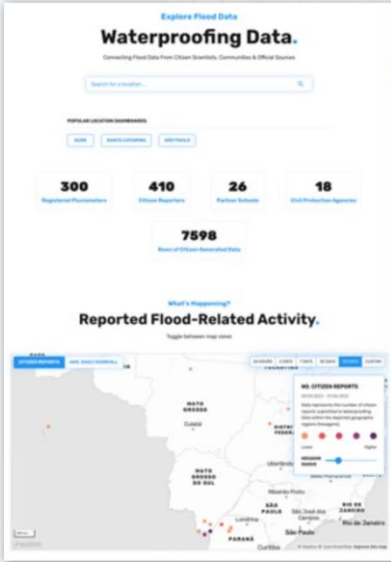
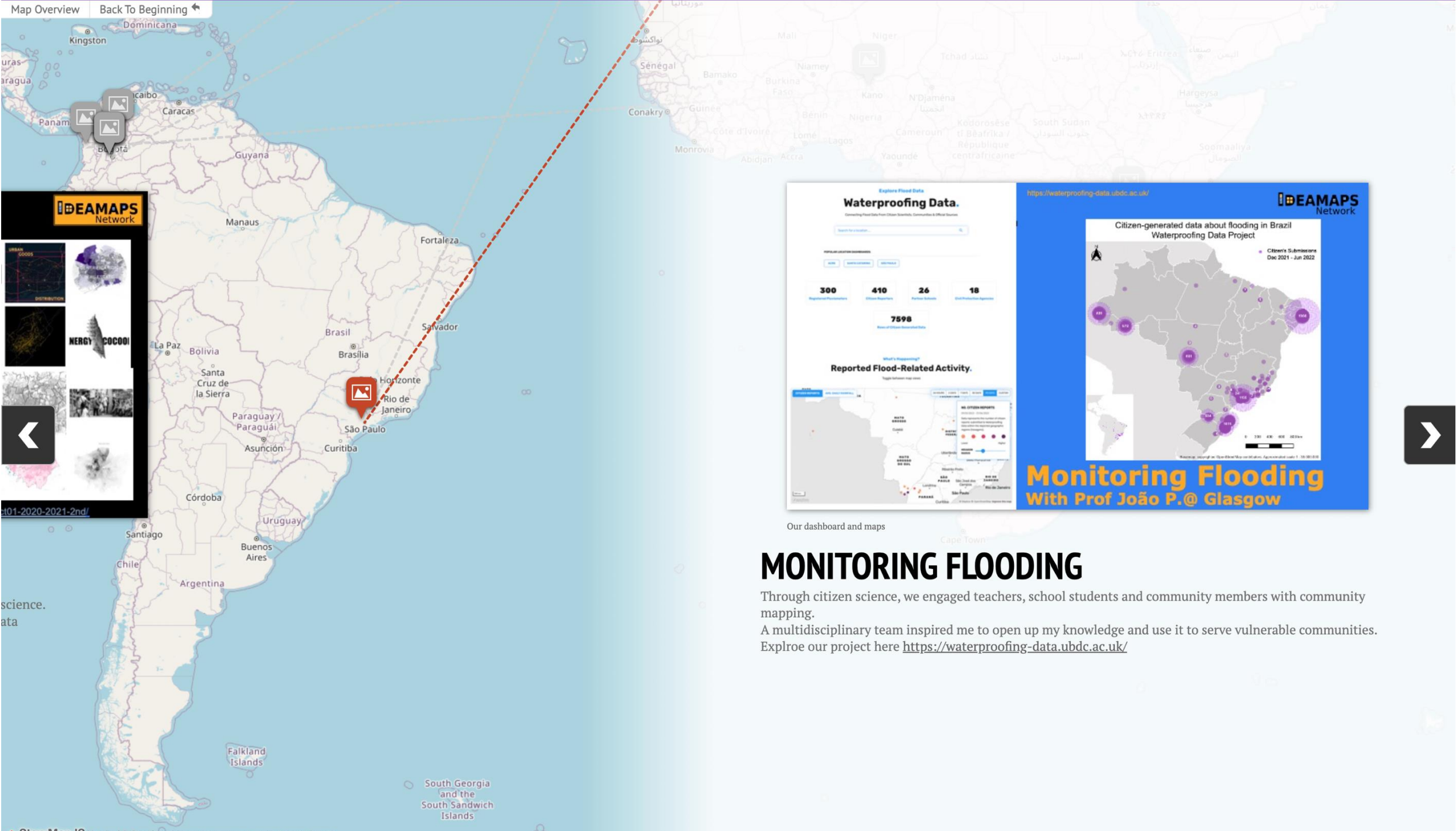
## Postdoc @ Catalunya Institute for Advanced Architecture

**Explore student's projects**  
<https://www.iaaclog.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/>





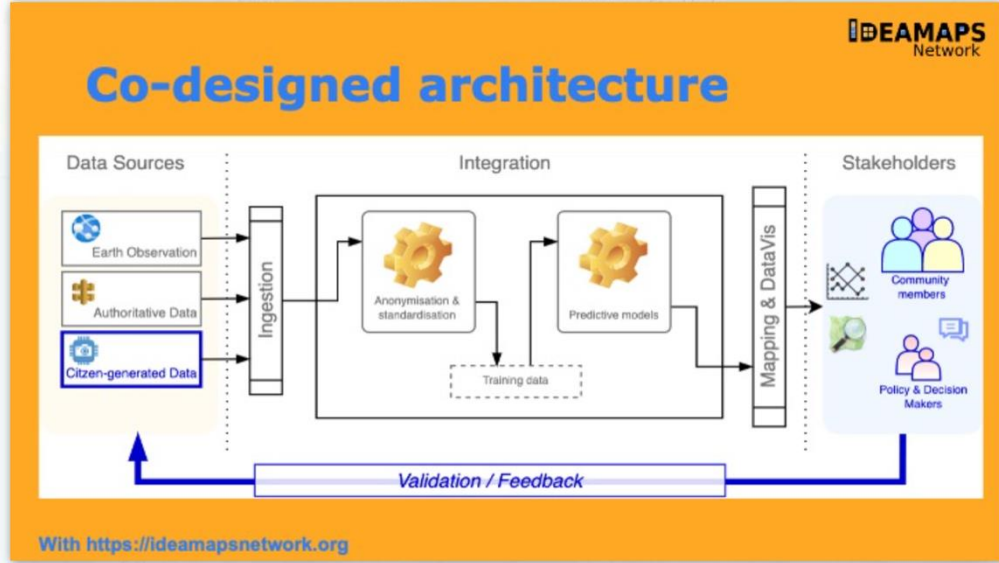
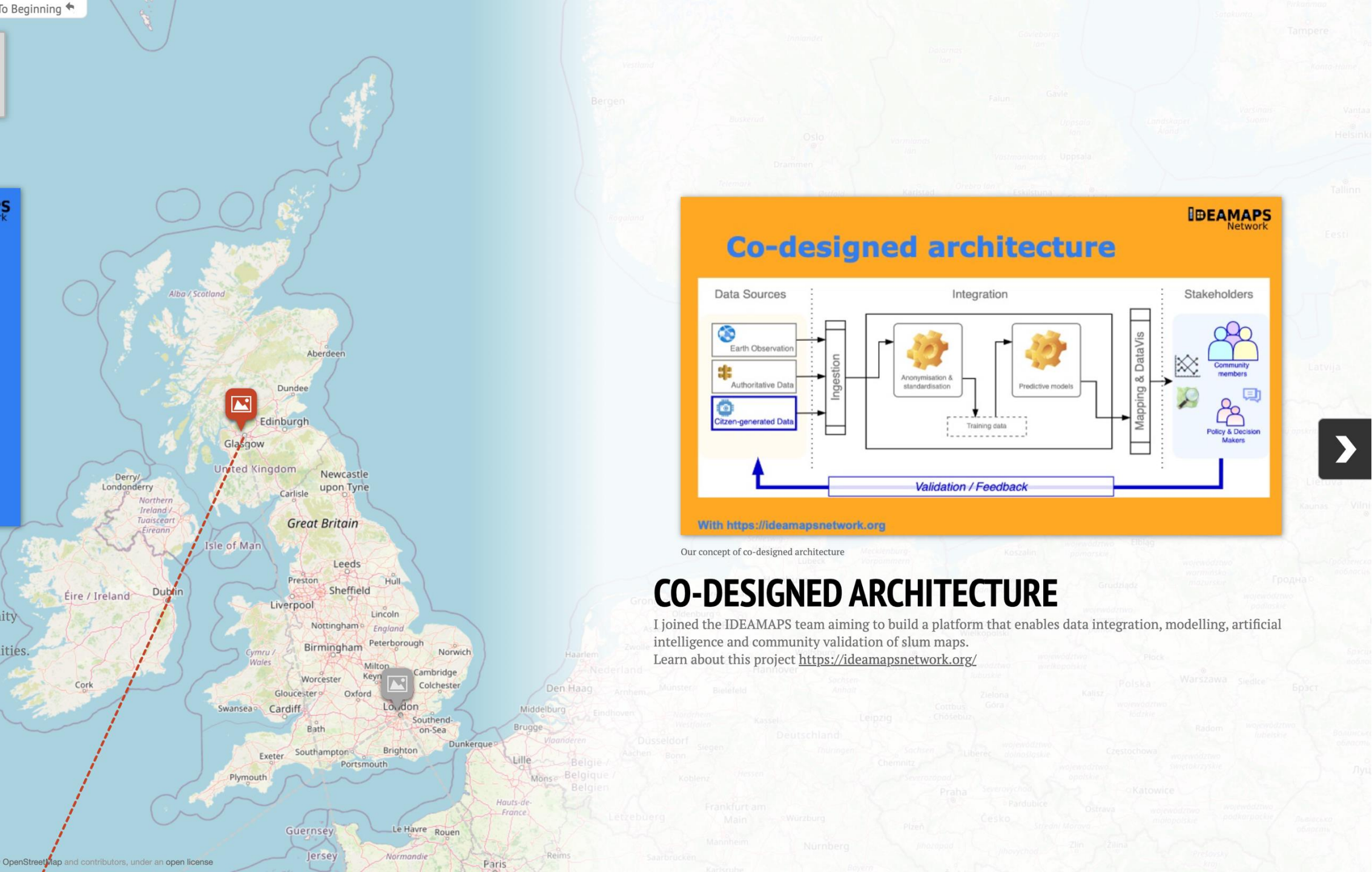
**IDEAMAPS Network**

Slum flooding in Brazil  
a Project

Citizen's Submissions  
Dec 2021 - Jun 2022

**Slum flooding in Glasgow**

members with community  
ve vulnerable communities.

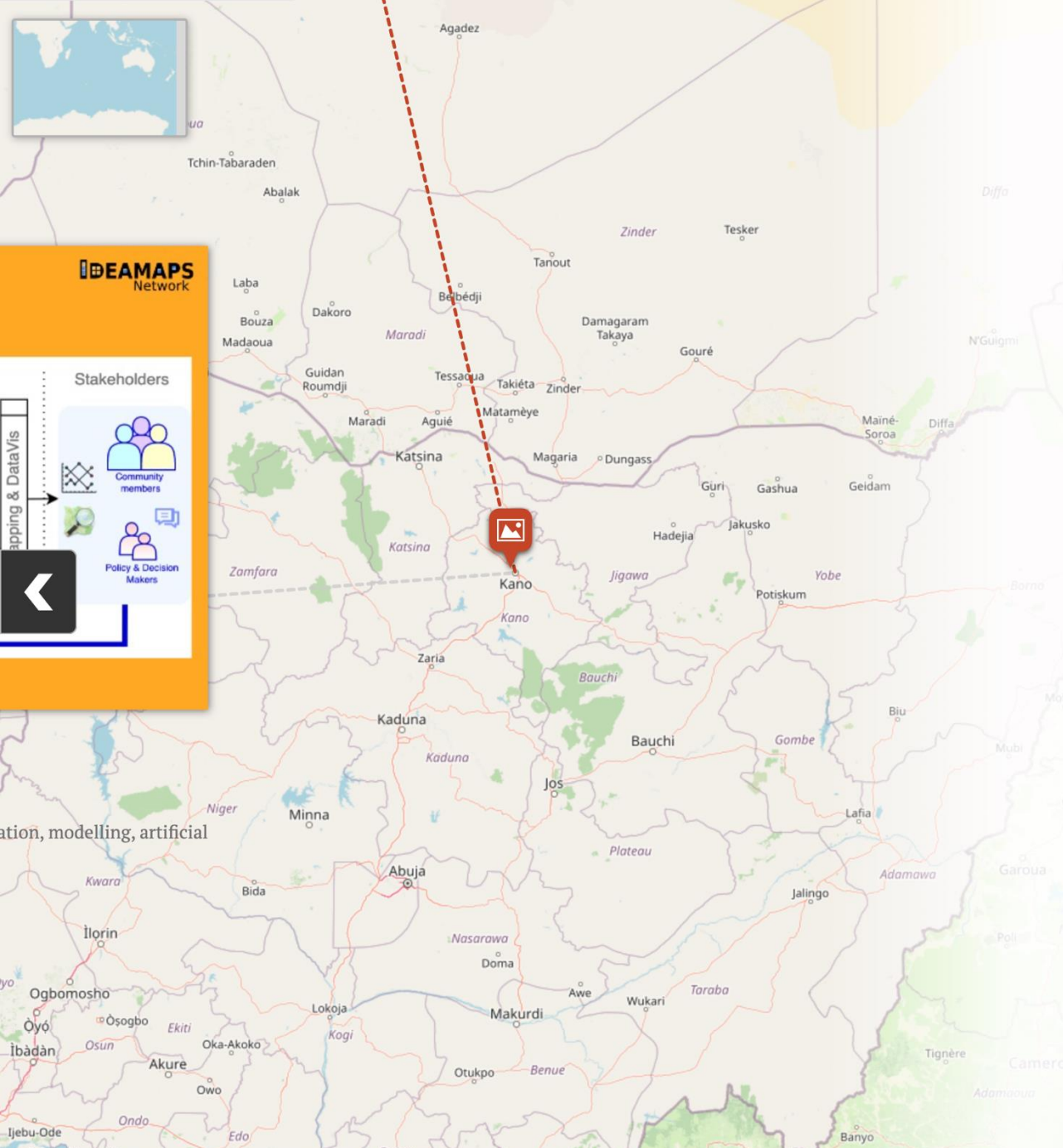


Our concept of co-designed architecture

# 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**

Mapping & DataVis

Stakeholders

- Community members
- Policy & Decision Makers

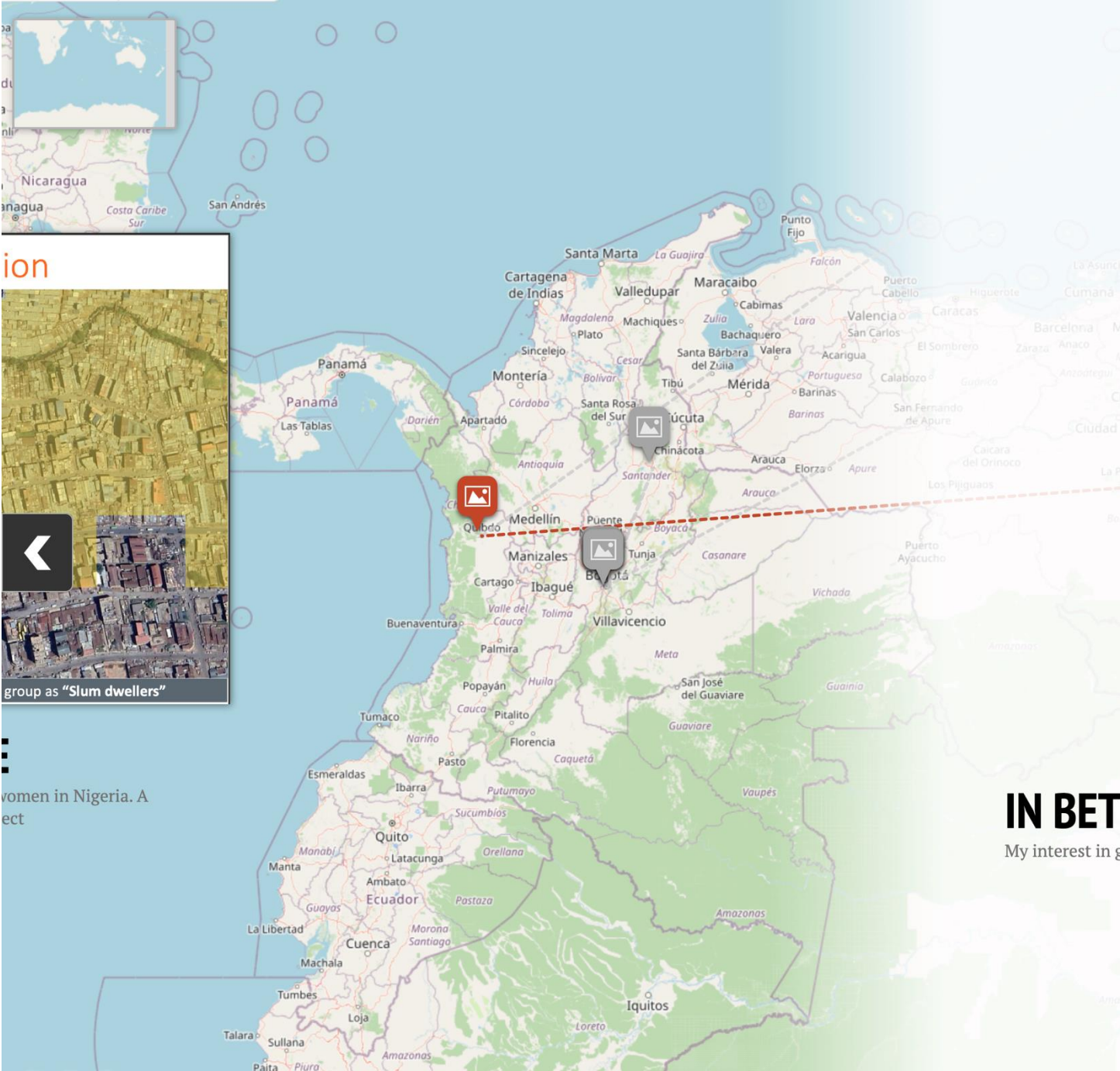
### Spatial Masking & classification

Disclose Participants home

Labelling a family or group as "Slum dwellers"

# BARRIERS MATERNAL HEALTHCARE

Enabling dialogue across stakeholders to describe the existing barriers faced by women in Nigeria. A combination of geospatial and qualitative analysis as part of the IDEAMAPS project



ion








group as "Slum dwellers"

women in Nigeria. A  
ect

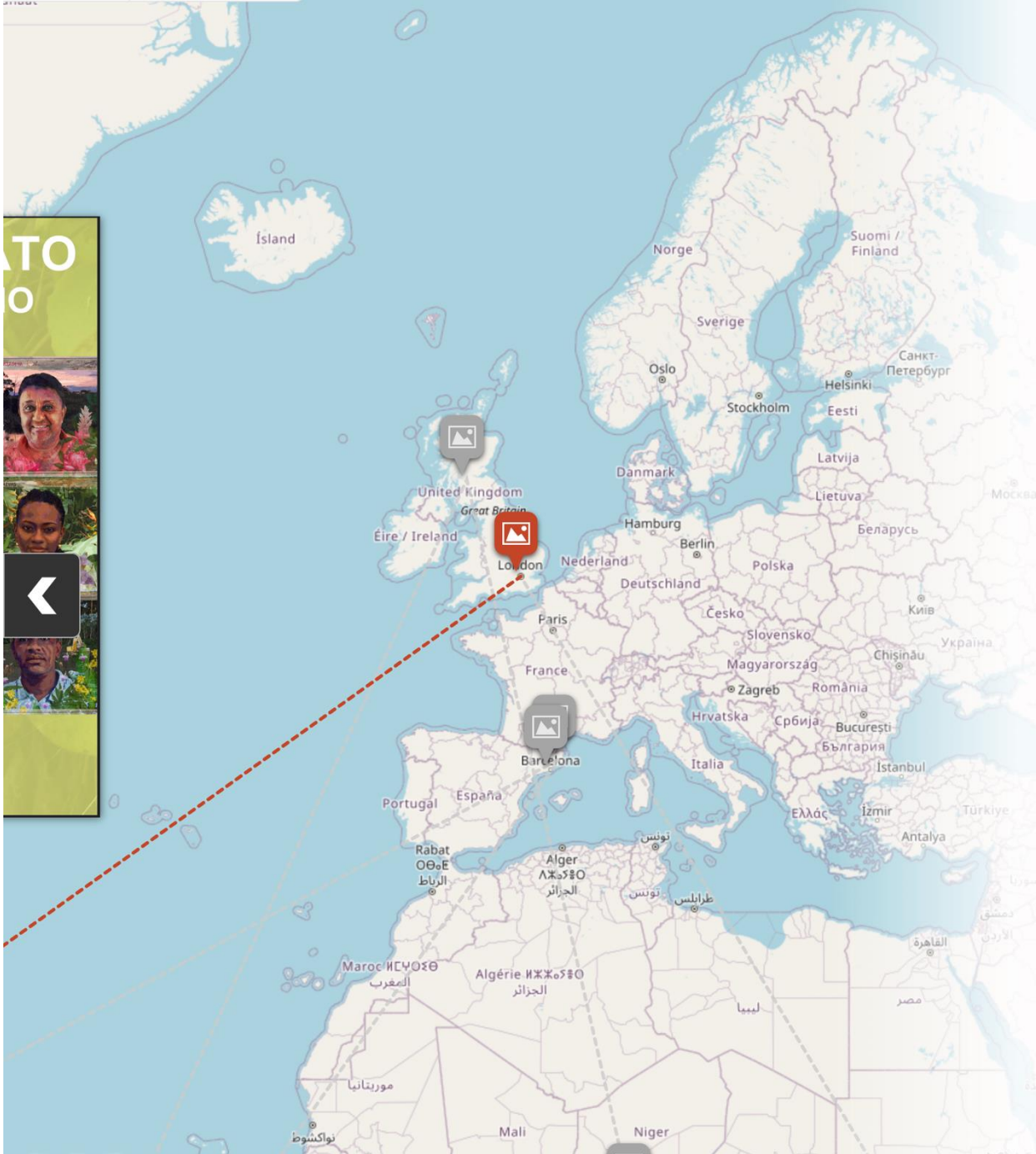
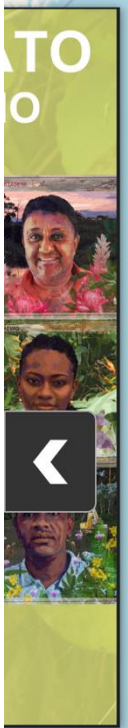
## FACES OF THE ATRATO PORTRAITS BY JAN NIMMO

in collaboration with Steve Cagan

# IN BETWEEN "HERE" AND "THERE"

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




**COLOMBIA NOS UNE**  
 (Colombia Unites Us) AND  
**THE GLASGOW LATIN**  
**AMERICAN RESEARCH**  
**NETWORK (GLARN)**  
 ARE PROUD TO PRESENT


**TUES**  
**OCT 8**  
**3:00 /**  
**6:00 PM**

**COLOMBIA IN**  
**DIALOGUE**


 Biodiversity,  
 Environmental  
 Justice and  
 Peace


**Advanced Research Centre (ARC)**  
**University of Glasgow - G11 6EW**

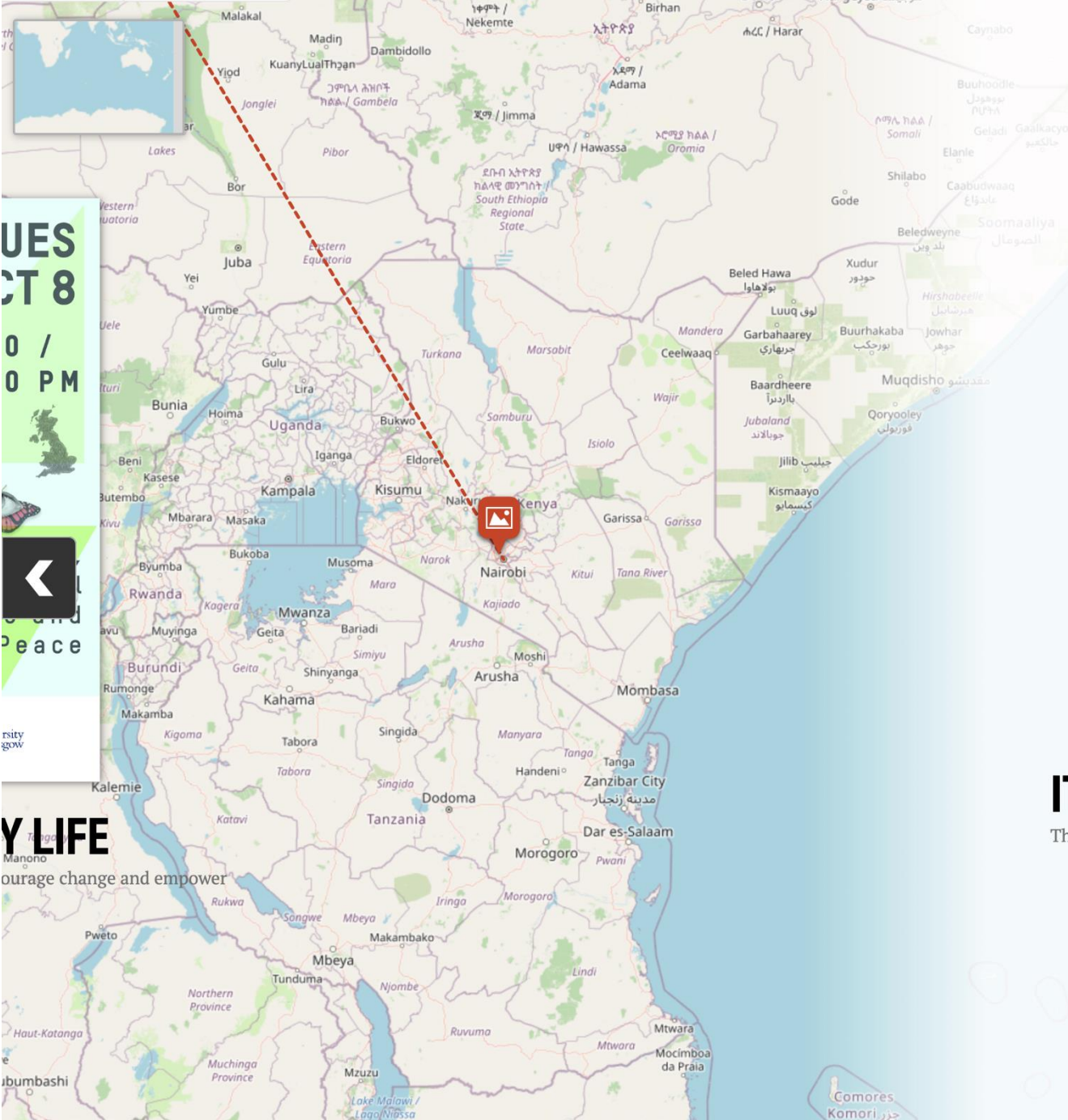






## ACTIVISM HAS BECAME PART OF MY LIFE

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

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.