Collaborative mapping to contribute
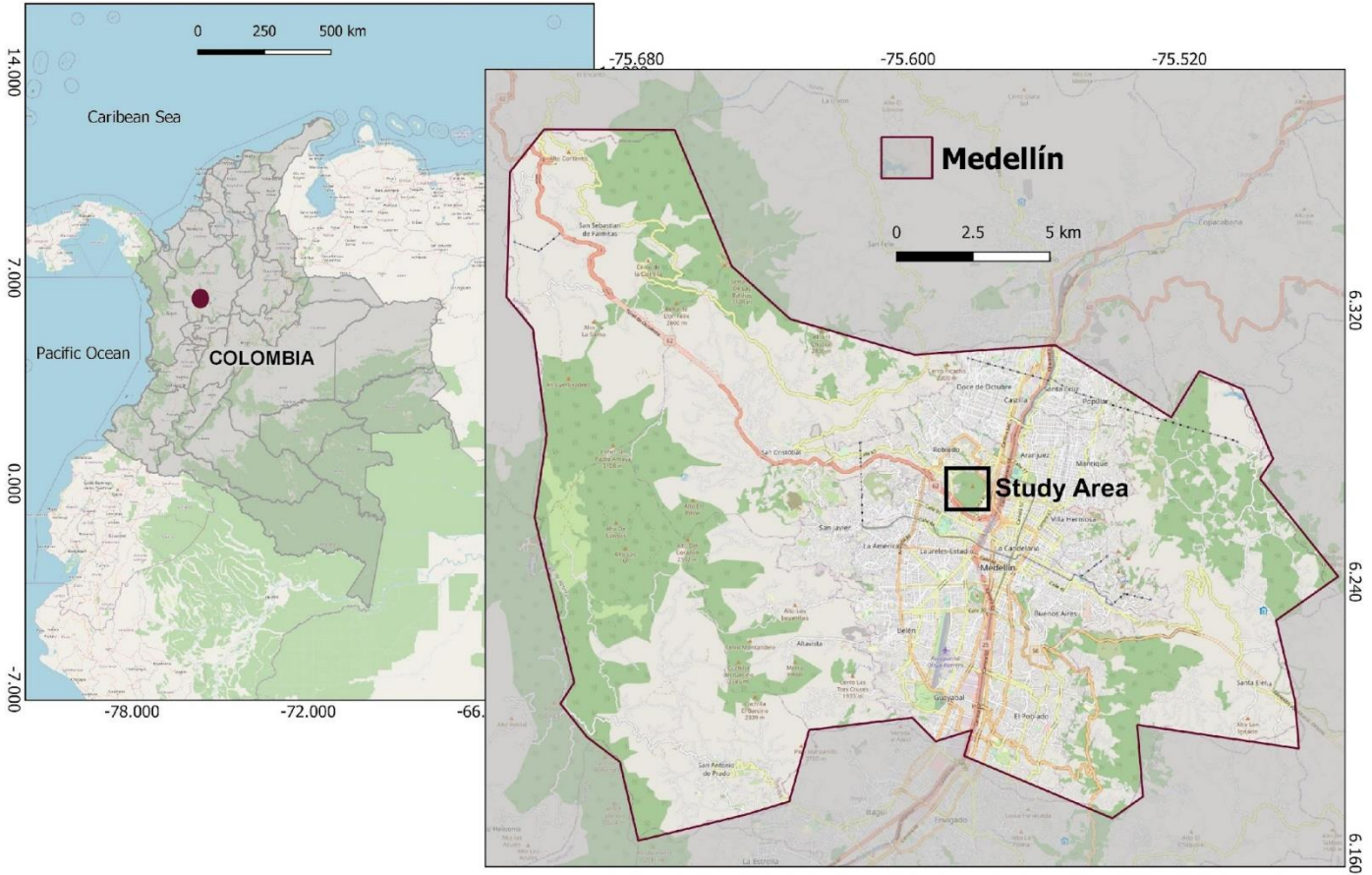# Flood Resilience
Nueva Villa La Iguaná

Yéssica De los ríos Olarte
Universidad de Antioquia

By Yéssica De los ríos – Coast Map Project

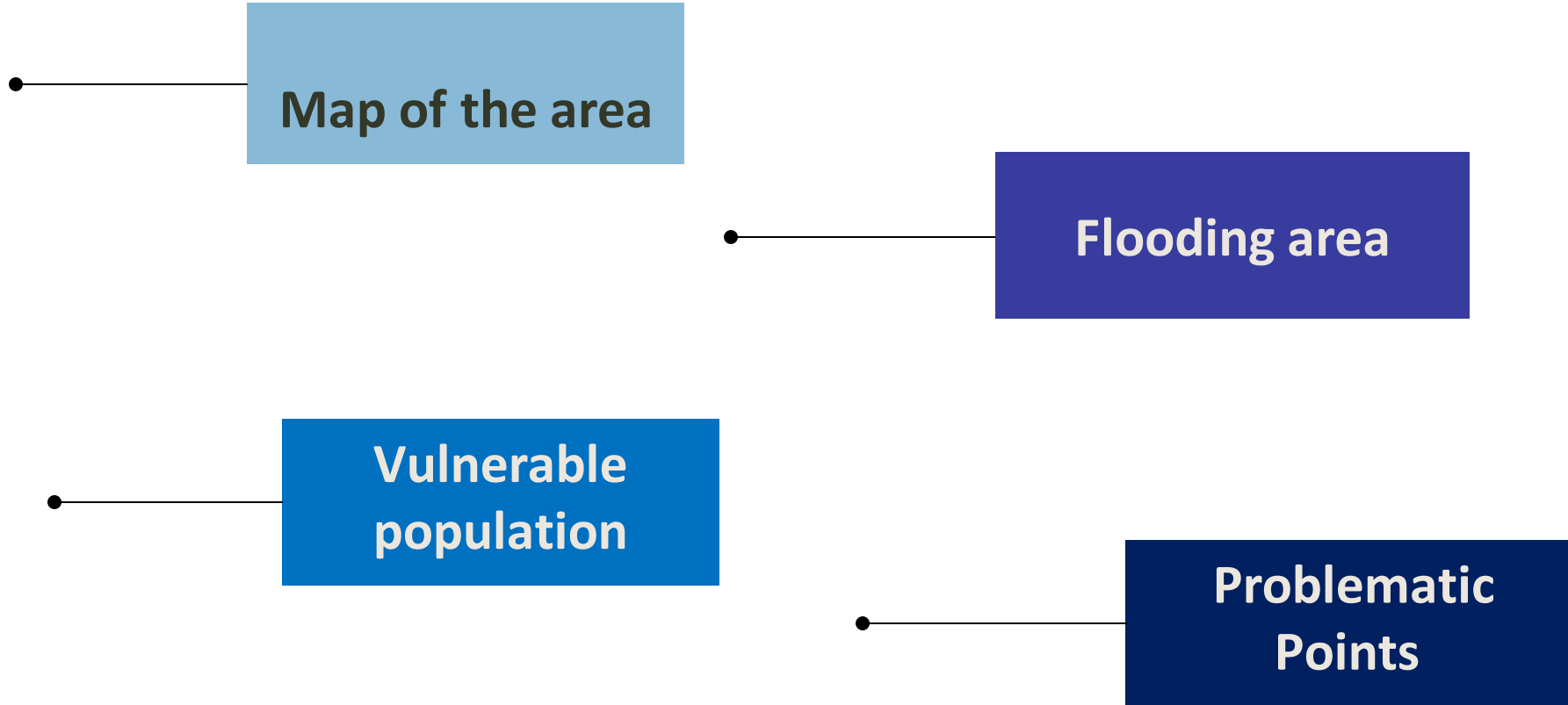# Nueva Villa La Iguaná

High level of poverty

Overcrowding

Low acces to health care

Low access Education

General Goal: Contribute to flood resilience through young student and community using Collaboratory mapping.
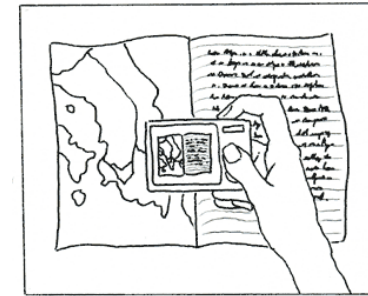
Missing information

Map of the area

Flooding area

Vulnerable population

Problematic Points

General Goal: Contribute to flood resilience through young student and community using Collaboratory mapping.

Collecting information

Workshops

Open Spatial Tools
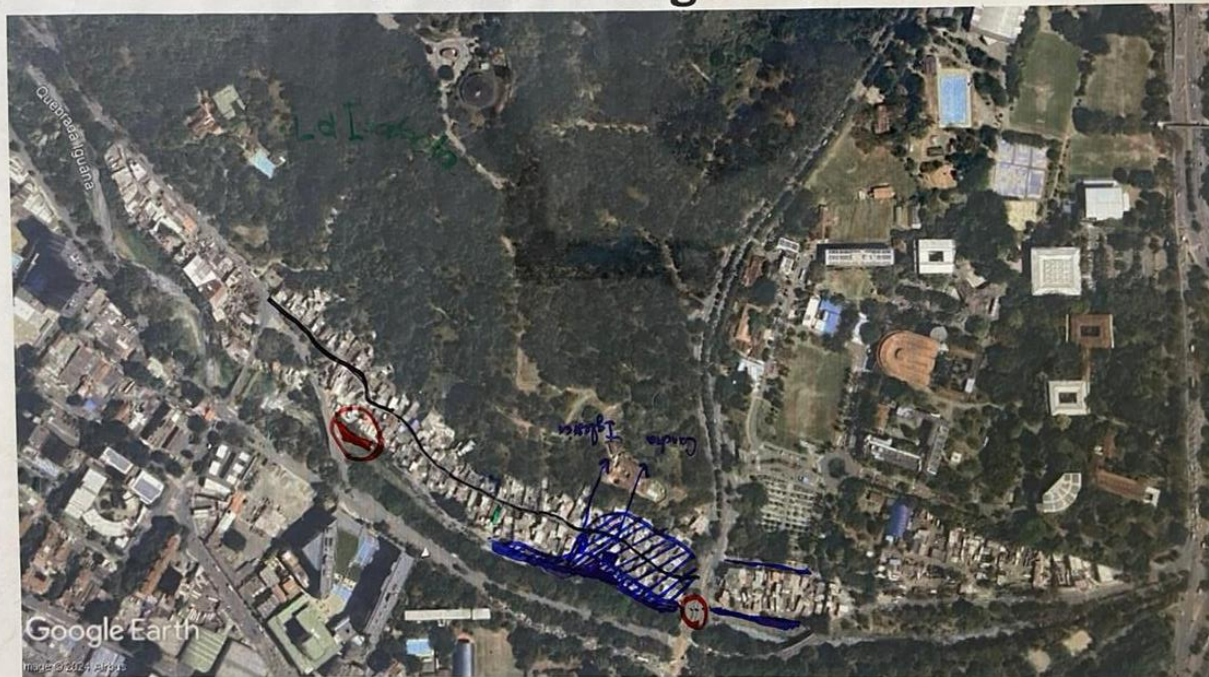
Mapillary

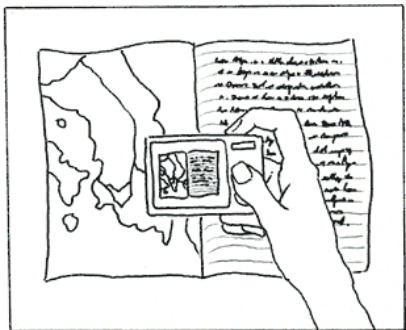**Recording of image** sequences at street level in the neighborhood.

Workshops
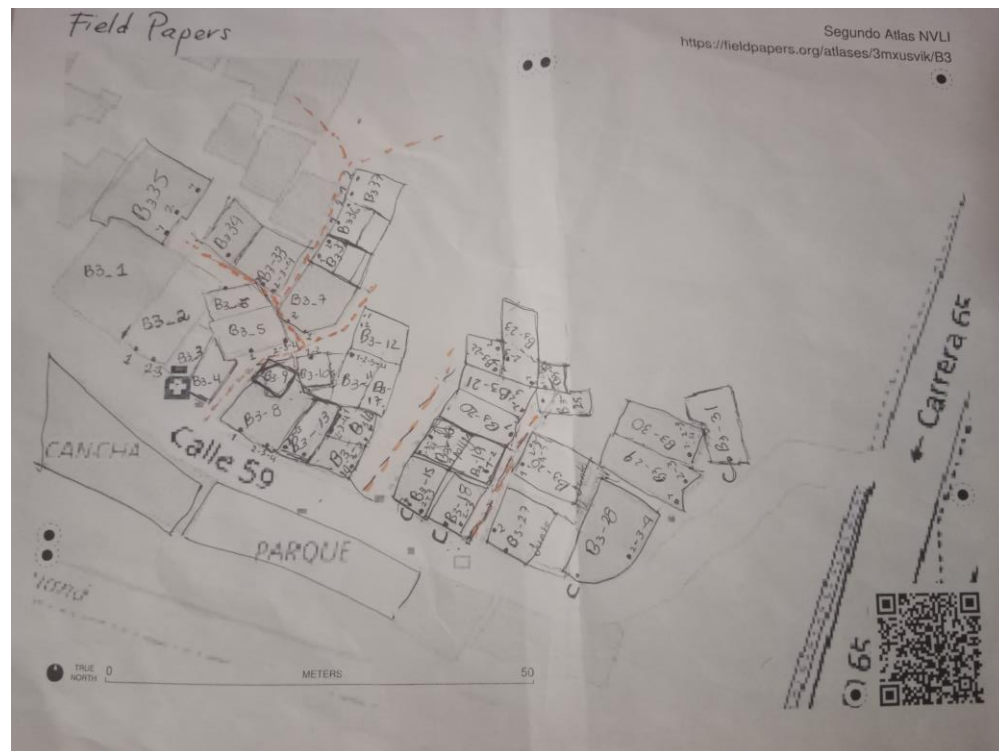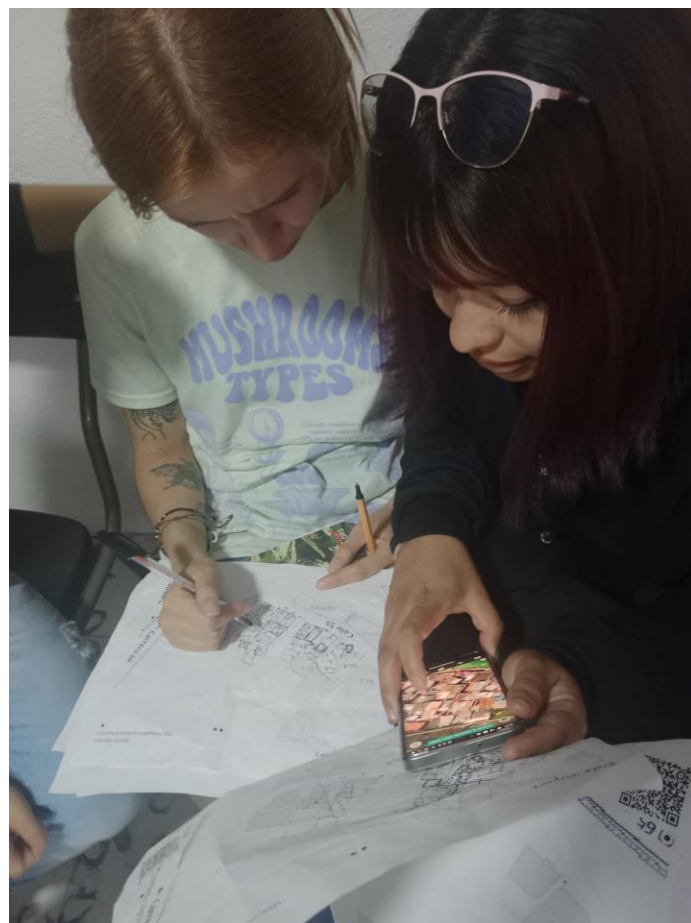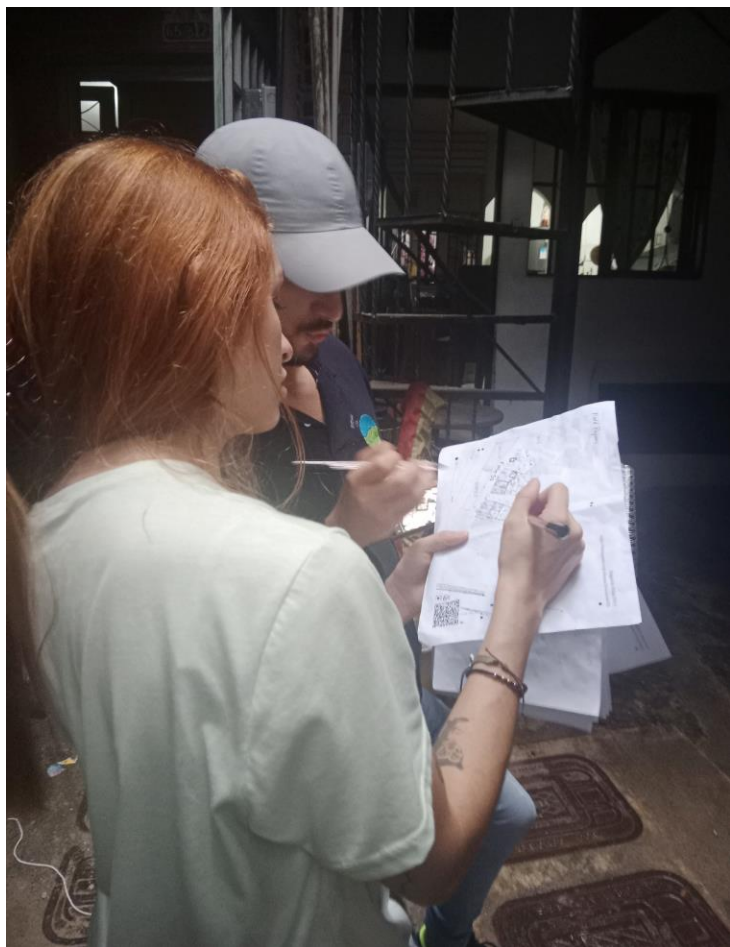
Identification of
- Flooding área
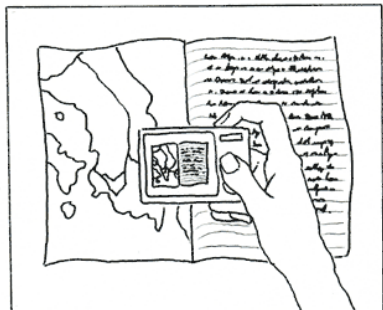- Problematic points

Field papers

Tool to make a **paper atlas** in which you can annotate or draw your observations. We use this to confirm data about buildings

OpenStreetMap

Constructing the map of the neighborhood in an open platform vinculating sources such as Field Papers and Mapillary

We are adding to the map:
buildings: type (residential, comercial, religious, health).
Number of levels.
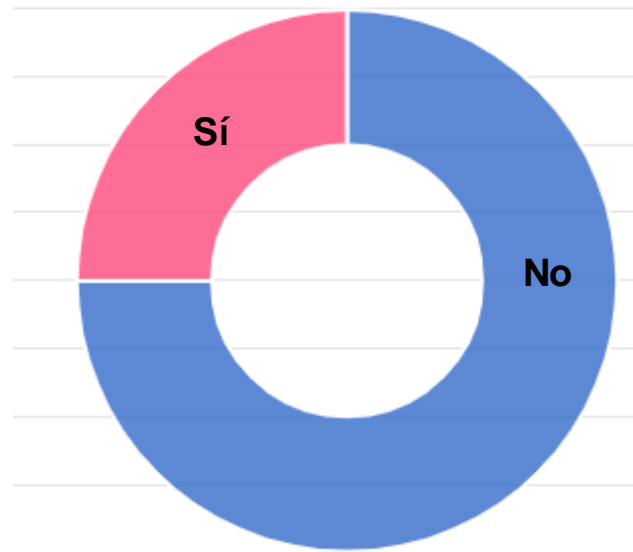Streets and paths: nomenclature, road condition, alleyways.
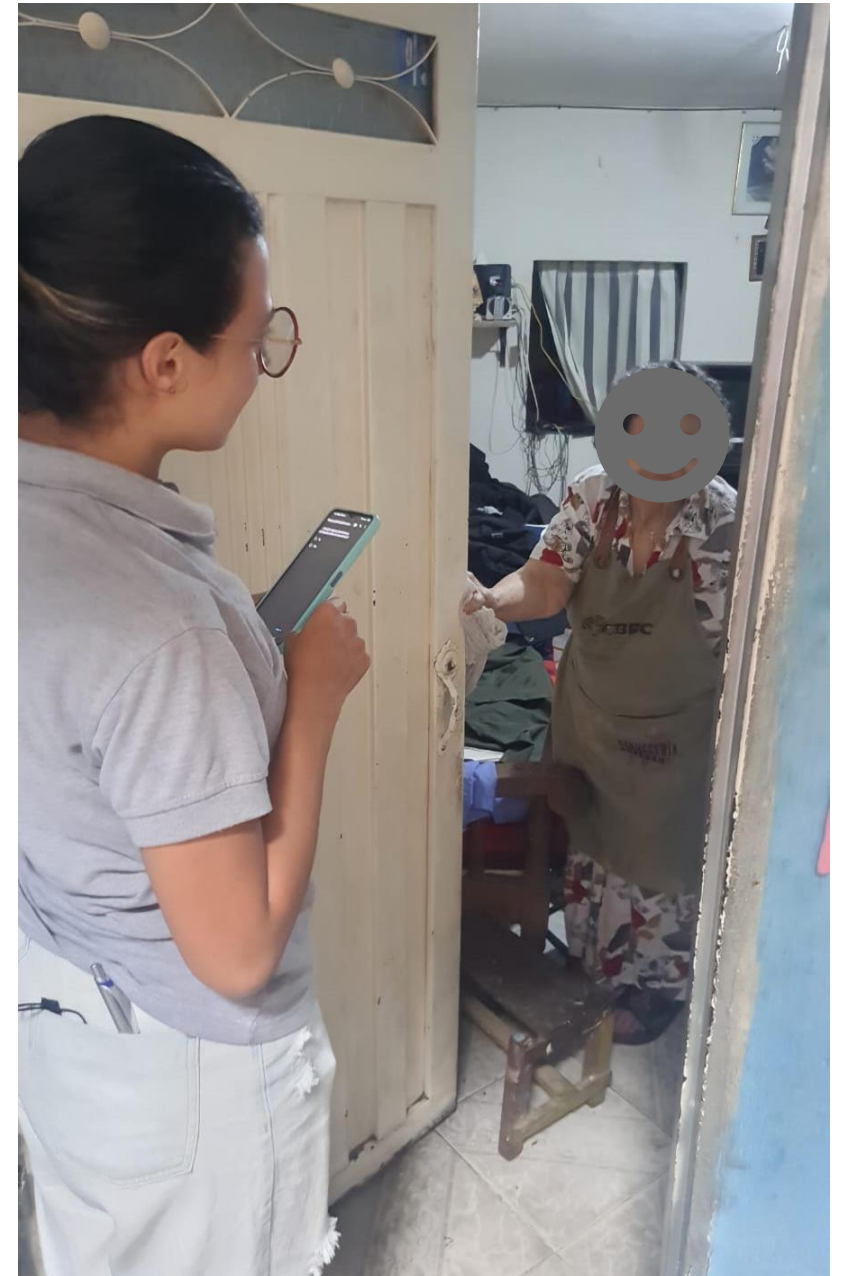
Kobo Toolbox

geo-referenced surveys to collect information about vulnerable population

Some questions we did:
1. Number of people in the building
2. Height to which the water reaches
3. Presence of children and older adults
4. Flood mitigation measures
5. advance flood warning
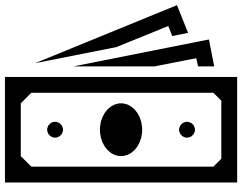

Sí

No

Answer question 5

What we did

Early warning system

Community self managaemente

What is missing

-Full installed capacity require long time
- Settlement mapping is time and logistically demanding.
- It is necessary increase the scope to implement significant actions to reduce vulnetability (as NBS).

Technical team
(Member of community, Social, hidrological and ecológical members)

Thanks!

Do you have any questions?

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Yéssica De los ríos Olarte, biologist.

▶ Video: Open Mapping and Flood Resilience Iguana