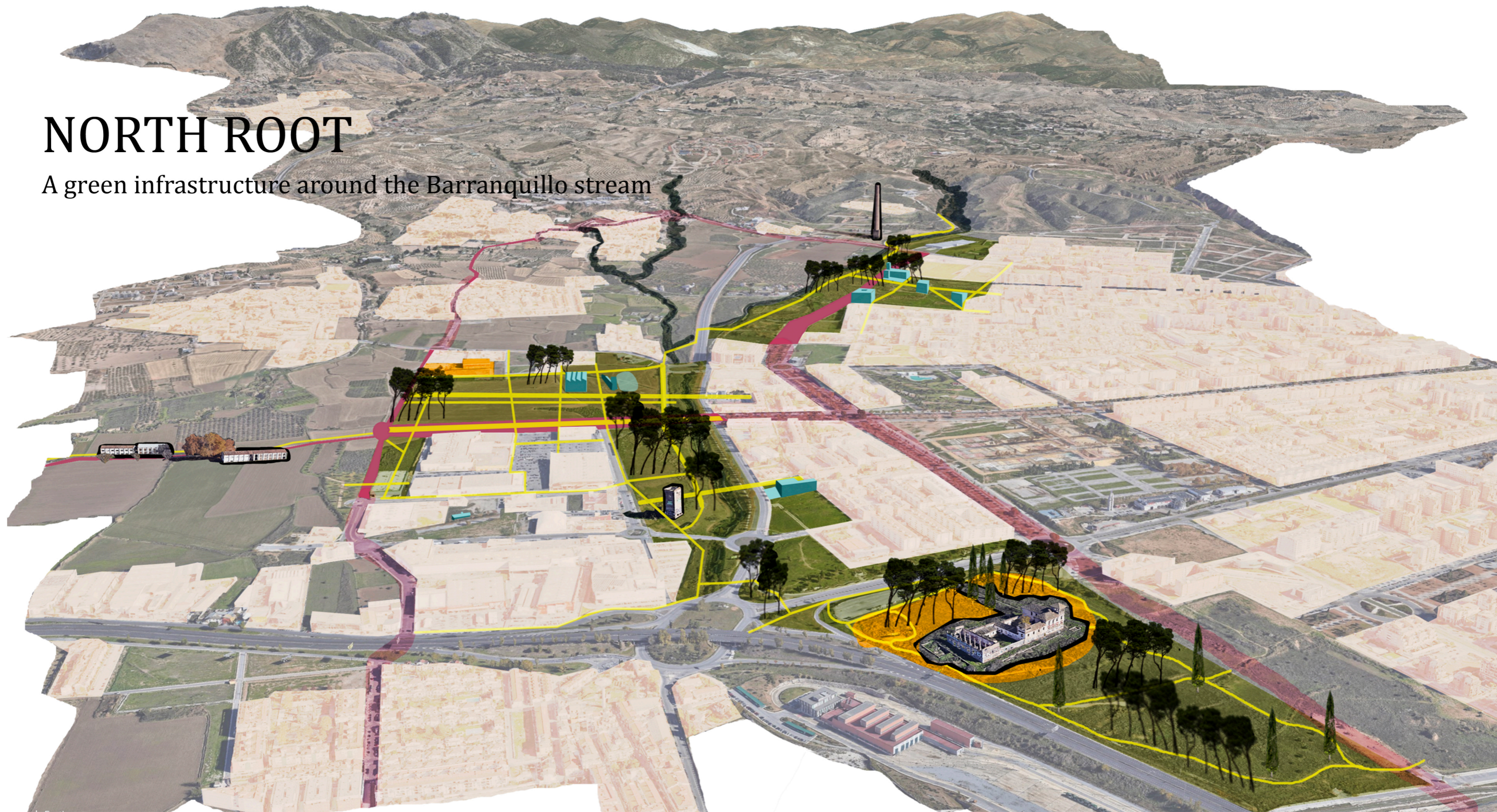


# NORTH ROOT

A green infrastructure around the Barranquillo stream



Country /City Spain / Granada

University / School University of Granada / E.T.S. de Arquitectura

Academic year 2021/2022

Title of the project North Root. A green Infrastructure around the Barranquillo stream

Authors Jesús Castillo Guerrero y Marina González Domínguez

## TECHNICAL DOSSIER

|                                                    |                                                                                                |
|----------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Title of the project</b>                        | North Root. A green Infrastructure around the Barranquillo stream                              |
| <b>Authors</b>                                     | Jesús Castillo Guerrero y Marina González Domínguez                                            |
| <b>Title of the course</b>                         | Green infrastructure in the fluvial axes of Granada                                            |
| <b>Academic year</b>                               | 2021/2022                                                                                      |
| <b>Teaching Staff</b>                              | Belén Bravo Rodríguez – Juan Luis Rivas Navarro                                                |
| <b>Department / Section / Program of belonging</b> | Department of Urban and Regional Planning<br>Undergraduate Degree in Architecture / Urbanism 4 |
| <b>University / School</b>                         | University of Granada / E.T.S. de Arquitectura                                                 |



### Written statement, short description of the project in English, no more than 250 words

The proposal responds to the two territorial conditions of the place, on the one hand it is the North Gate of the city of Granada and on the other hand it is a meeting place between the agricultural plain and the urban fabric of the periphery. The redefinition of the agricultural heritage marked by traditional farmhouses, chimneys of the traditional agricultural industry of the area, pre-existing parcel structures and characteristic vegetation of the Vega de Granada landscape and cultural identity is formulated. It seeks to transform the urban edge with connotations of marginality, into a metropolitan social meeting point located in the fluvial axis of the Barranquillo stream. For this, a double scale of intervention is generated, a strategy for the renaturation of the stream, promoting ecological connectivity with the rest of the territorial network, and an urban and landscape project that generates a concentration point for mixed, urban-rural activities. The area currently has a highly intense commercial area, which leads to a very high volume of traffic being concentrated at peak times. The project incorporates the commercial area but inverting the car-pedestrian relationship, increasing the pedestrian space and generating tree-lined walks and green sequences. The sequence of green spaces connected to the axis of the stream and the incorporation of an agricultural park in the residual spaces configures a green infrastructure on the northern edge of the city of Granada.

For further information

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COAC - Colegi oficial d'Arquitectes de Catalunya

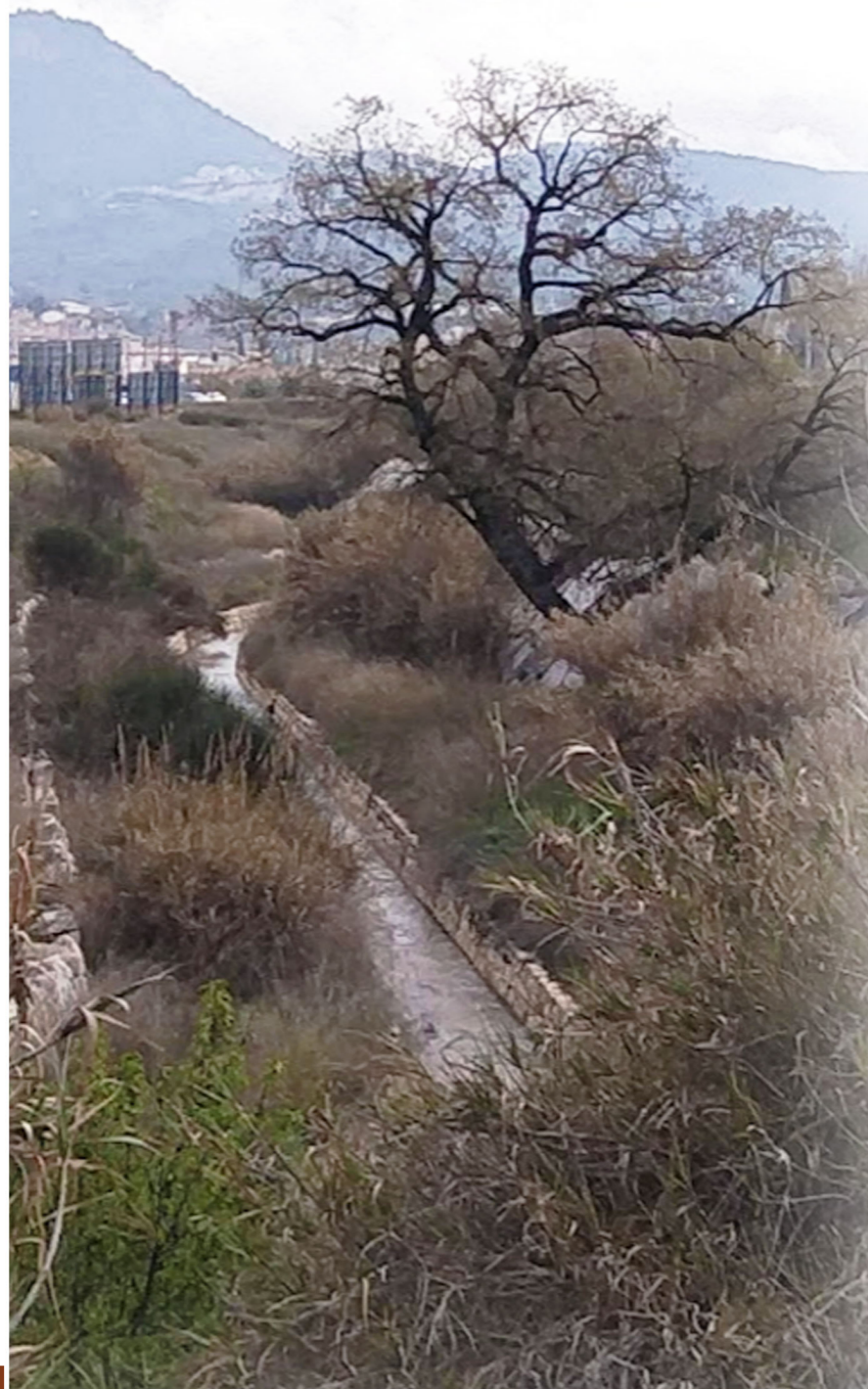
Carrer Arcs, 1-3  
08002 Barcelona - Spain

**12th International Biennial Landscape Barcelona**

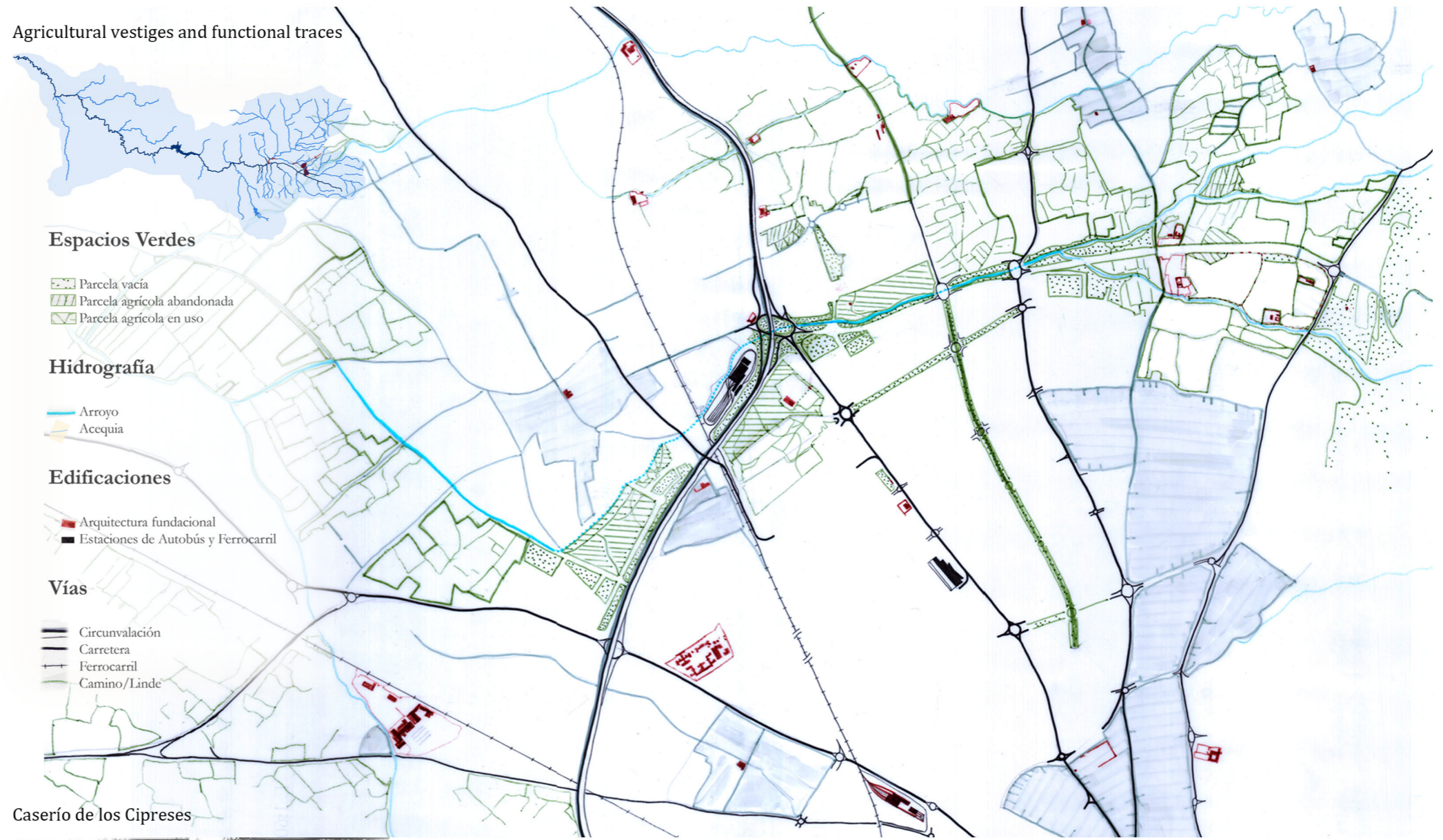
**Barcelona November 2023**

**SCHOOL PRIZE**

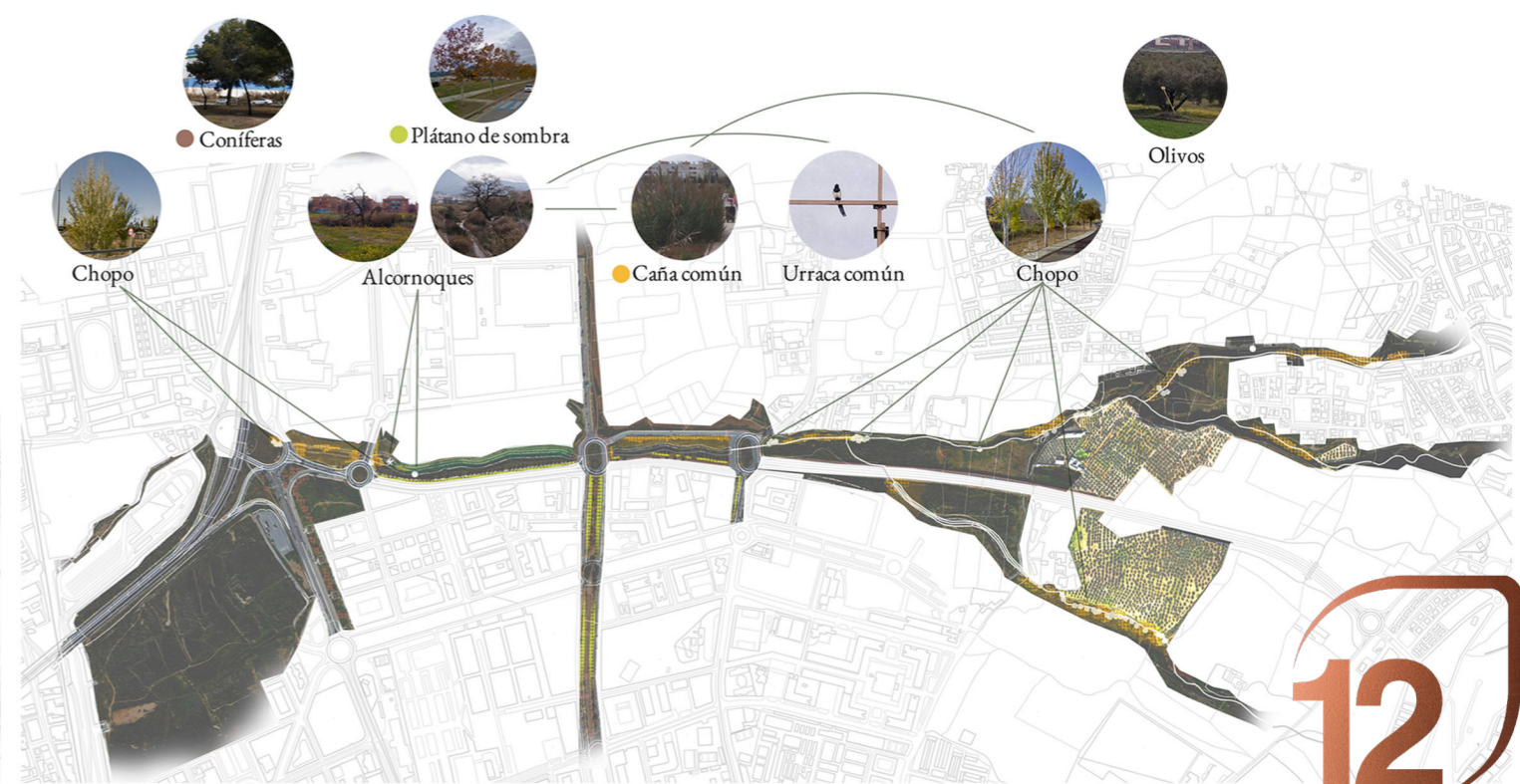
# Vestiges of the territory



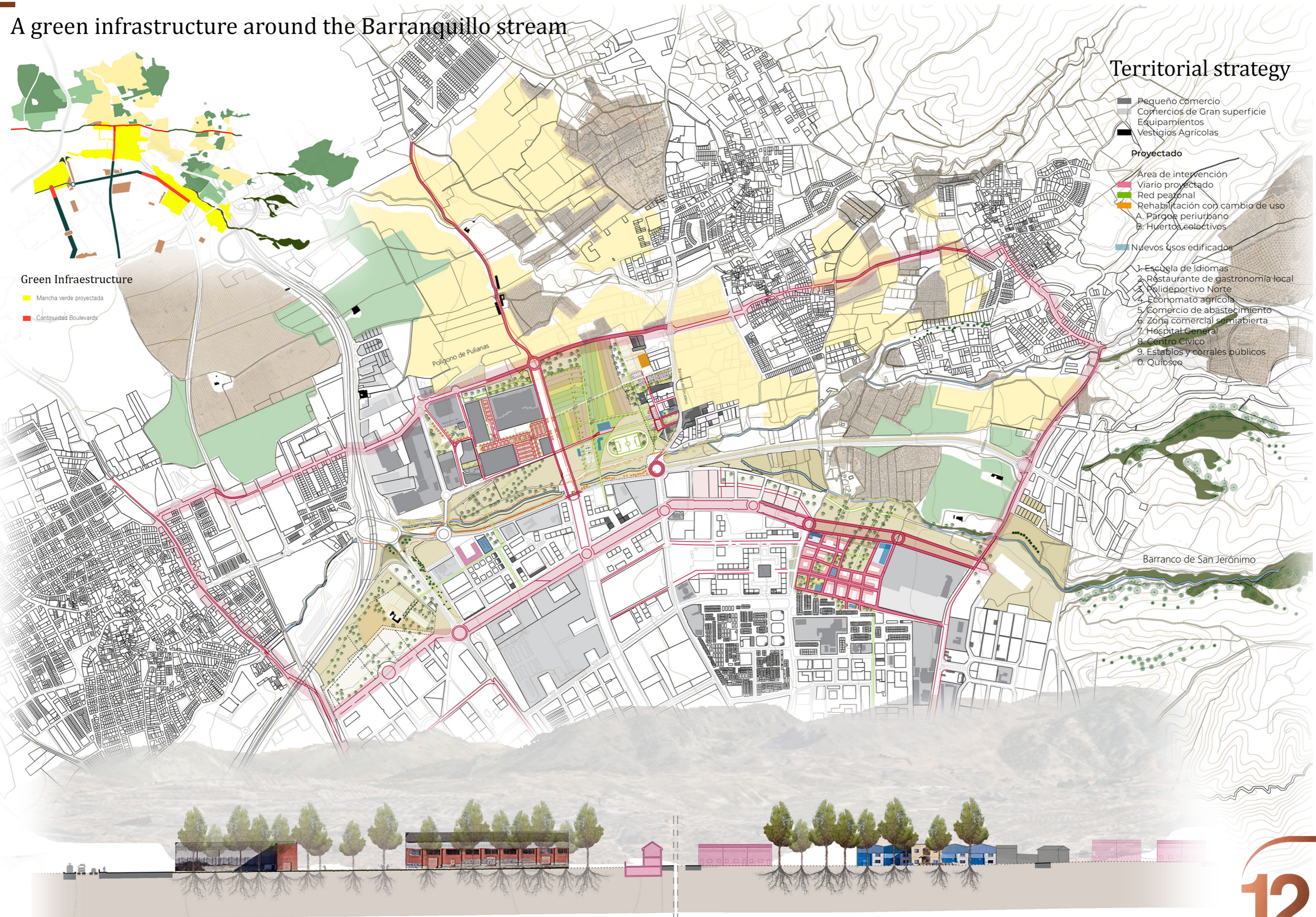
Agricultural vestiges and functional traces



Caserío de los Cipreses



# A green infrastructure around the Barranquillo stream



## Territorial strategy

- Pequeño comercio
  - Comercios de Gran superficie
  - Equipamientos
  - Vestigios Agrícolas
- Proyectado**
- Area de intervención
  - Viario proyectado
  - Red peatonal
  - Rehabilitación con cambio de uso
    - A. Parque periurbano
    - B. Huertos colectivos
  - Nuevos usos edificados
    1. Escuela de Idiomas
    2. Restaurante de gastronomía local
    3. Polideportivo Norte
    4. Economía agrícola
    5. Comercio de abastecimiento
    6. Zona comercial semiabierto
    7. Hospital General
    8. Centro Cívico
    9. Establos y corrales públicos
    0. Quiosco

- Green Infraestructure**
- Mancha verde proyectada
  - Continuidad Boulevards

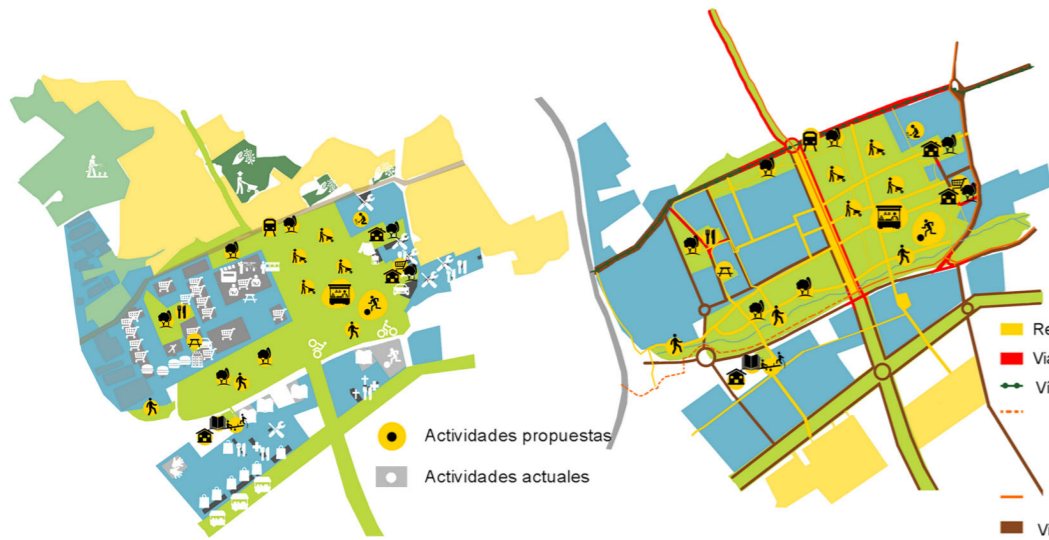
# A green infrastructure around the Barranquillo stream



Agricultural park



Agricultural park



Activity

Mobility

- Proyecto
- Red peatonal
  - Viario rodado
  - Vía de metro
  - Carril bici
  - Existente
  - Carril bici
  - Viario rodado

- Actividades propuestas
- Actividades actuales

