



PERFORMATIVE NATURE

Barcelona International Landscape Architecture Biennial

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X International Landscape Architecture Biennial

Máster d'Arquitectura del Paisatge -DUOT - UPC
ETSAB- Escola Tècnica Superior
d'Arquitectura de Barcelona
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TECHNICAL DOSSIER

Title of the project The Horta Nord Irrigation System

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

Cultural landscapes are territories (urban and rural) with plenty of history and content that express the human action of nature transformation and unique landscape construction. When renewing territorial projects, the aim is to further the cultural value possibilities, assigning the knowledge of the landscape using local sciences. This kind of multidisciplinary approach is intended to help understand the site complexity. The landscape is a great reminder of the historical heritage while at the same time the contemporary situation of the region. These old territories, with their large heritage, lead us to explore their cultural landscape condition.

The Horta Nord of Valencia is an area filled with history and heritage shaped by the work of its society. It's irrigation system started at 8th century. These days, cultural landscapes still live on thanks to their land production and habitability. Cultural landscape has to be approached with the collaboration of people who preserve its heritage alongside concerned institutions, local citizens and those who want to sustainably develop. Also, we focus on the analysis of projects that promote the local development of territories and cities in an holistic perspective without trivializing the territory.

Accordingly, we reveal cultural landscapes through the elaboration of an Atlas with multidisciplinary knowledge. Each group explore and give a vision of the area through the analyze of a territory's layer.

The rural territories constitute socio-landscape heritage in contrast to urban transformation. This landscape heritage doesn't refer only to the past but also the future, to feed territories with food sovereignty.

For further information

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DYNAMIC PHASES

Once all the letters are distributed, each participant is located in its territory and associates it with the demand for crop that has touched him, this demand is represented by a drop of water t. Then the Major places on the table the period, where the units of water available for the entire turn (12U, 24U, 36U) are represented.

The total units of water in the dry season, represented by a drop of water, are making their way through the "sequia", in a territorial order, where they are "spending" all the units according to the demand of growing the territory where it happens.

These units can be modified (+ 1 / -1) using the water well / drain cards. These cards are interchangeable between the agents (since it is a private condition and can be negotiated.)

The final goal is that once the last turn arrives, everyone has been able to reach their demand, but that the rest of the water is 0. No extra water, No dry field. All the agents must be agreed and they must succed their demands..

DYNAMIC TARGETS

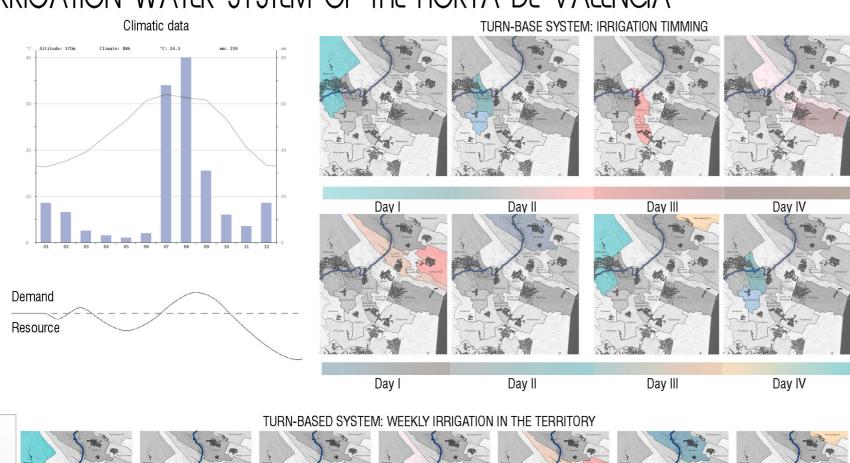
Know the Agents that are part of the water management and link them to the territory. Understand and manage acrod with the relationship between the given situation and the demand for cultivation.

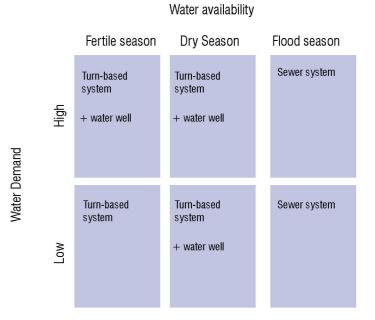
Promote direct and personal communication of all agents, where dialogue, debate and understanding are essential for everyone to gain.

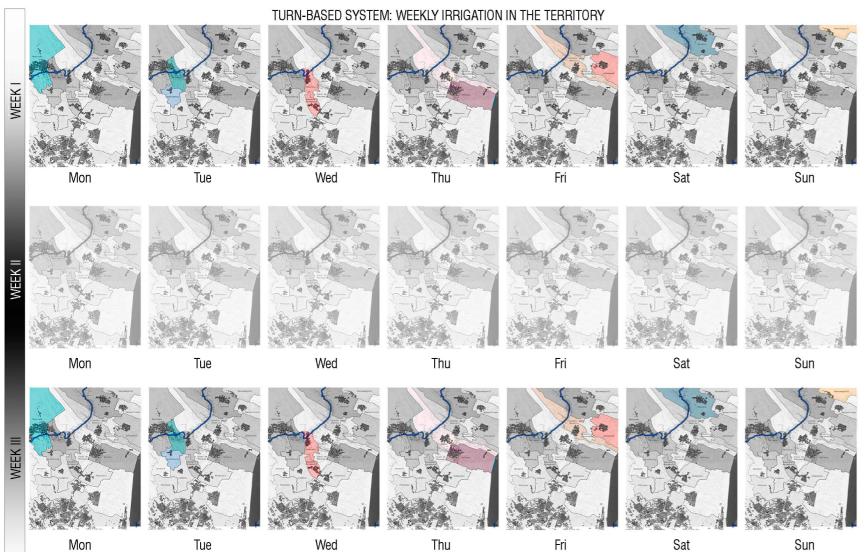
Each turn generates multiple situations and the solution to all of them are the same, be aware of the resources and the demand of the territory, use the mechanisms to manage the water and reach an agreement with all the syndicates so that collective system be equitable for al. The communication is the main key that could give improvement strategies and solutions.

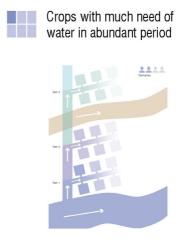


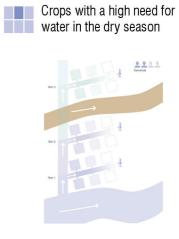
IRRIGATION WATER SYSTEM OF THE HORTA DE VALENCIA



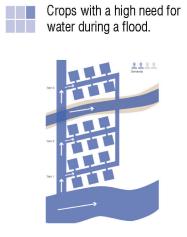


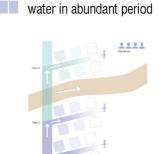






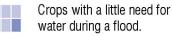
Crops with a little need for





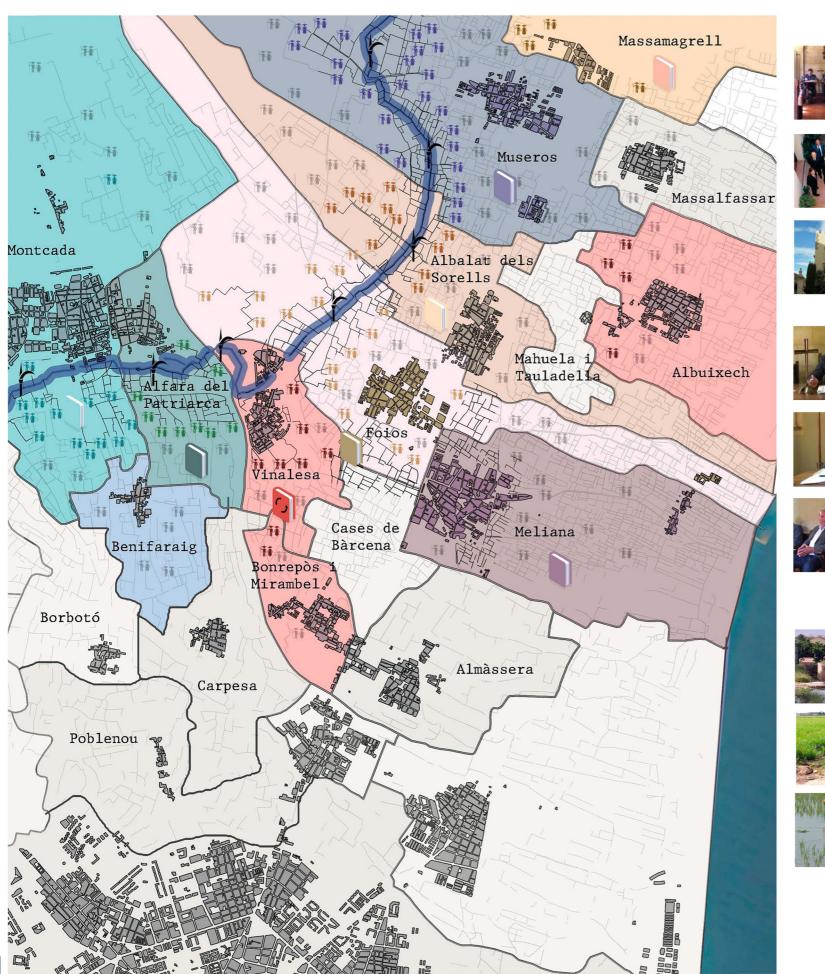
Crops with little need of







AGENTS OF THE IRRIGATION WATER OF THE HORTA DE VALENCIA

























THE COURT OF THE "SEQUIA REIAL DE MONTCADA"

The court is made up of the major, the secretary and two syndics. The court imparts justice in the sequia society. Farmers and irrigators have the right and the obligation to denounce any inadequate management of water.

THE BOARD OF GOVERNMENT

The board is made up of the secretary, the major and the twelve syndics. Government and law of the canal. Connector between the situations in the horta and the interests of the irrigators. Manages the collective system.

THE GENERAL BOARD

It is the voice of the territory. Its character is symbolic.

THE SEQUIER MAJOR

The Sequier major is the character in the cultural landscape of the Reial Seguia de Montcada. It is chosen from the community of irrigators by the twelve syndicates which represents the territory.

THE SECRETARY

The secretary is the administrative figure of the institutions of the Reial Seguia de Montcada.

THE SYNDIC

The syndic represent each community of local irrigators. The communities are linked to the historical territorial entities. These are Paterna, Montcada, Meliana, Godella, Foios, Albarat of the Sorells, Museros, Massamagrell, El Puig and Pucol. Two rotative syndicates represent groups of smaller farmhouses. The syndicates are elected democratically and alternate every three years.

THE GUARD

The guard is the executing arm of the síndic and the transmission channel between the irrigator and the síndic. He has the job of opening and closing the passage of water in the different areas.

THE LLAURADORS (FARMERS)

The Llaurador is the worker of a land, responsible, manager of land, water and relationships that are established between the countrymen and the landscape.

THE REGADORS (IRRIGATOR)

He is the irrigation manager. They manage the irrigation and cultivate the soil.

