

THE JOY OF THE VEGETABLE GARDEN

EUROPAN 17 - SPAIN

EL PRAT DE LLOBREGAT

The Llobregat delta is one of the most vulnerable European landscapes in the face of climate change. This is why we have decided to understand the proposal not only in a current context, but also in an increasingly near future situation.

El delta del Llobregat es uno de los paisajes europeos más vulnerables en el contexto de cambio climático. Por lo tanto, hemos decidido entender la propuesta no solo en un contexto actual, sino en una situación futura cada vez más próxima.

INCREASING SEA LEVEL RISE / RIESGO DE SUBIDA DEL NIVEL DEL MAR

The rise of the sea level and the natural subsidence of the delta will be replaced by marshes and the salinity of the soil will increase.

La subida del nivel del mar y la subsiguiente hundimiento natural del delta serán reemplazados por marismas y la salinidad del suelo se verá incrementada.

SPI - 8 SCENARIO (LOW COMPLEXITY)

Los escenarios urbanos en forma de polígonos industriales y el control de aguas de lluvia de toda la zona, así como la mejora de la movilidad, serán los elementos clave de la propuesta. El impacto de la subida del nivel del mar y el efecto de la salinización de la tierra serán compensados por un sistema de infraestructuras en un periodo de 100 años y de otro periodo de 100 años en el delta de Prat de Llobregat en 500 años.

TERRITORIAL RESILIENCE / RESILIENCIA TERRITORIAL

Due to its effects, it is probable that in the near future, the urban landscape will be more resilient, shifting to agricultural, filling existing gaps and finding new uses to flooded spaces.

Debido a esto, es probable que en un futuro próximo el paisaje urbano sea más resiliente, desplazándose al paisaje agrícola, rellenando los huecos existentes y buscando nuevos usos para espacios inundados.

CURRENT SITUATION

1st PHASE: Filling existing gaps / first marshes appearance

2nd PHASE: Converting the urban landscape to a productive landscape / the water depth allows to generate underwater covered Posidonia forest

3rd PHASE: Converting the buildings into greenhouses / the water depth allows to generate underwater covered Posidonia forest

NEW METROPOLITAN AVENUE / UNA NUEVA AVENIDA METROPOLITANA

The aim is to connect the agricultural area with Barcelona, a critical infrastructure for the region. The C-31 highway is proposed as the main artery of the area, connecting the city with the agricultural area.

El objetivo es conectar el área agrícola con Barcelona, una infraestructura crítica para la región. Se propone la C-31 como la arteria principal de la zona, conectando la ciudad con el área agrícola.

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The transformation of the C-31 highway into an urban avenue provides a critical look at the risk of infrastructures around the city.

La transformación de la C-31 en una avenida urbana ofrece una mirada crítica sobre el papel de las infraestructuras en el riesgo de la ciudad.

A BROKEN LINK / UN ENLACE ROTO

These infrastructures are an overabundance of infrastructure that lacks an integrative logic with the surrounding territory. They create a barrier between urban and agricultural lands. The road and agricultural lands are separated by a physical barrier that separates the city from the agricultural lands, becoming a marginal space.

Estas infraestructuras resultan una sobrecarga de infraestructura que carece de una lógica integradora con el territorio que rodea. Crean una barrera entre el espacio urbano y el espacio agrícola, separando la ciudad de las tierras agrícolas y convirtiéndolas en un espacio marginal.

RE-CONNECTING THE CITY WITH THE TERRITORY / RECONECTANDO LA CIUDAD CON EL TERRITORIO

Once the infrastructure is transformed, the city connects and restores old links. The city and agricultural lands will be under the C-31 highway from the crossing points, connecting the area also with the rest of the Agricultural Park, transforming it into a permeable and usable territory.

Una vez que la infraestructura se transforma, la ciudad se conecta y recupera los vínculos antiguos. La ciudad y las tierras agrícolas estarán bajo la C-31 desde los puntos de cruce, conectando también el área con el resto del Parque Agrícola y transformando el territorio en permeable y usable.

NEW URBAN PLANNING STRUCTURE / NUEVA ESTRUCTURA URBANA

The new urban planning respects the original proposal by Josep Maria Sureda, reflecting the historical link between the city and its territory. A canal, which has been articulated the different parts of the city.

La nueva ordenación urbana respeta la propuesta original de Josep Maria Sureda, reflejando el vínculo histórico entre la ciudad y su territorio. Un canal, que ha articulado las diferentes partes de la ciudad.

RESILIENT STRATEGIES AGAINST CLIMATE CHALLENGES / ESTRATEGIAS RESILIENTES FRENTE AL CAMBIO CLIMÁTICO

The cross permeabilities are more than a connection element between the city and the agricultural area. It is a way to manage the water, helping to mitigate climate change effects.

Las permeabilidades transversales son mucho más que un elemento de conexión entre la ciudad y el espacio agrícola. Es una forma de gestionar el agua, ayudando a mitigar los efectos del cambio climático.

WATER MANAGEMENT / GESTIÓN DEL AGUA

Flooding risk is protected by a dam structure. The water is retained in the water table, generating surface water and abundant vegetation.

El riesgo de inundación queda protegido por una estructura de presa. El agua se retiene en el nivel freático, generando agua superficial y abundante vegetación.

COOL ISLAND EFFECT / EFECTO ISLA DE FRESCOR

With reduced temperatures, it is important to have climatic refuge areas. For this purpose, the area reaches the water table, generating surface water and abundant vegetation.

Con temperaturas reducidas, es importante tener áreas de refugio climático. Para este propósito, el área alcanza el nivel freático, generando agua superficial y abundante vegetación.

WETLAND VEGETATION / VEGETACIÓN DE HUMEDALES

The wetland vegetation creates an urban biomass refuge. It is a way to manage the water, helping to mitigate climate change effects.

La vegetación de humedales crea un refugio de biomasa urbana. Es una forma de gestionar el agua, ayudando a mitigar los efectos del cambio climático.

AGRICULTURAL TERRACED LANDSCAPE / PAYSAJE DE TERRENTOS AGRÍCOLAS ESCALONADOS

The terraced landscape introduces the fields into the city. It is a way to manage the water, helping to mitigate climate change effects.

El paisaje escalonado introduce los campos en la ciudad. Es una forma de gestionar el agua, ayudando a mitigar los efectos del cambio climático.

WATER TABLE / NIVEL FREÁTICO

The water table is a key element in the urban planning. It is a way to manage the water, helping to mitigate climate change effects.

El nivel freático es un elemento clave en la planificación urbana. Es una forma de gestionar el agua, ayudando a mitigar los efectos del cambio climático.

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From 1 to 5 crossings, 3 pedestrian crossings.

From 1 to 13 crossings, 3 vehicles crossings, 2 pedestrian crossings.

A PEDESTRIAN FOCUSED MOBILITY / UNA MOVILIDAD PENSADA PARA EL PEATÓN

The implementation of a new EMO-DISTRITO with a system of narrow roads, pedestrian crossings and green spaces, creating a network of pedestrian paths.

La implementación de un nuevo EMO-DISTRITO con un sistema de calles estrechas, cruces peatonales y espacios verdes, creando una red de caminos peatonales.

GREEN CORRIDORS / VERDES

Green corridors connect the city with the agricultural area, creating a network of green spaces.

Los corredores verdes conectan la ciudad con el área agrícola, creando una red de espacios verdes.

WATER CORRIDORS / RIEGOS DE AGUA

Water corridors connect the city with the agricultural area, creating a network of water spaces.

Los corredores de agua conectan la ciudad con el área agrícola, creando una red de espacios de agua.

SOCIAL CORRIDORS / RIES CONVIVENCIALES

Social corridors connect the city with the agricultural area, creating a network of social spaces.

Los corredores sociales conectan la ciudad con el área agrícola, creando una red de espacios sociales.

VEGETATED DUNES TO REDUCE / DUNAS VEGETADAS PARA REDUCIR

Vegetated dunes reduce the heat island effect and create a more permeable urban landscape.

Las dunas vegetadas reducen el efecto isla de calor y crean un paisaje urbano más permeable.

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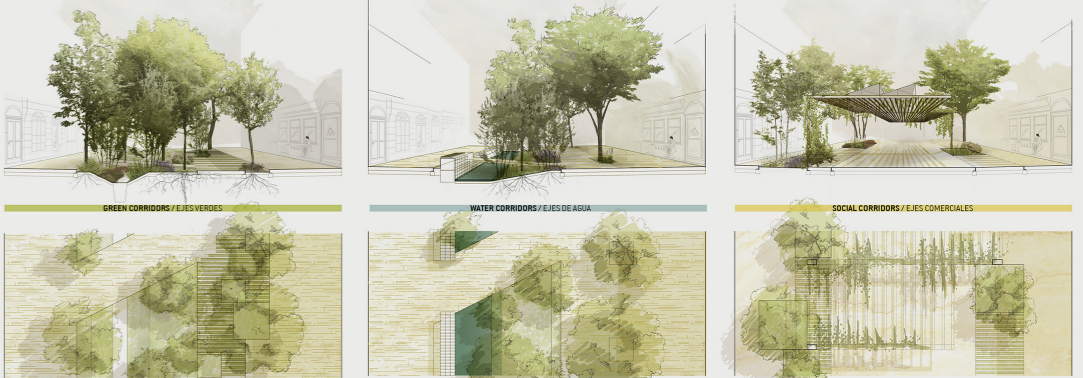
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AGRICULTURAL TERRACED LANDSCAPE / PAYSAJE DE TERRENTOS AGRÍCOLAS ESCALONADOS

The terraced landscape introduces the fields into the city. It is a way to manage the water, helping to mitigate climate change effects.