

READAPTING THE NATURAL PATH OF WATER: the importance of Gonçalo Ribeiro Telles Urban Park to Lisbon's climate resilience



Directorate-General for Environment, Green Infrastructure, Climate and Energy
Municipality of Lisbon, Portugal



Gonçalo Ribeiro Telles Urban Park
14th March 2024



Urban evolution Pç. Espanha

1911



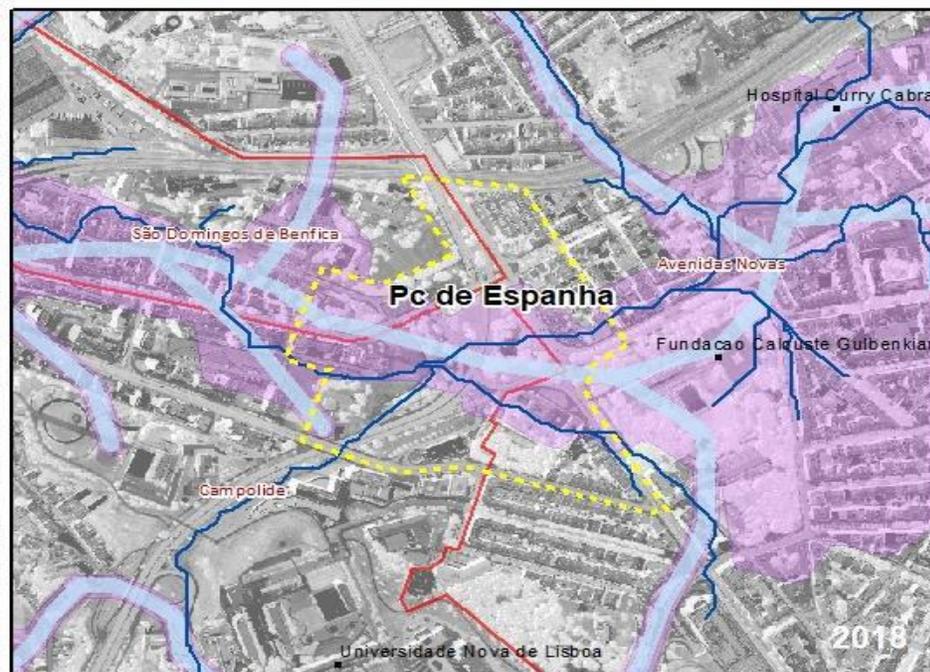
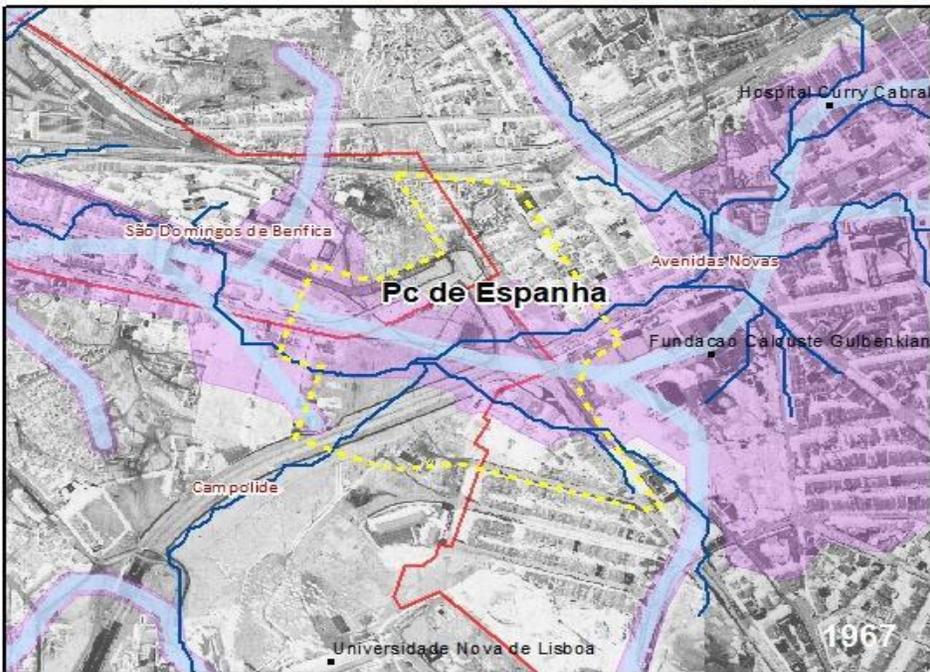
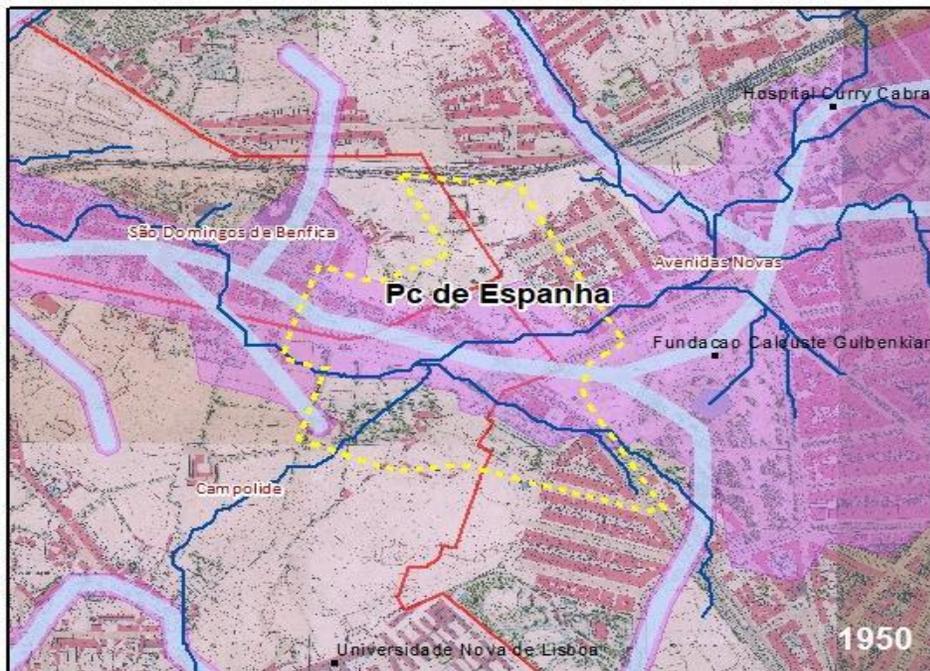
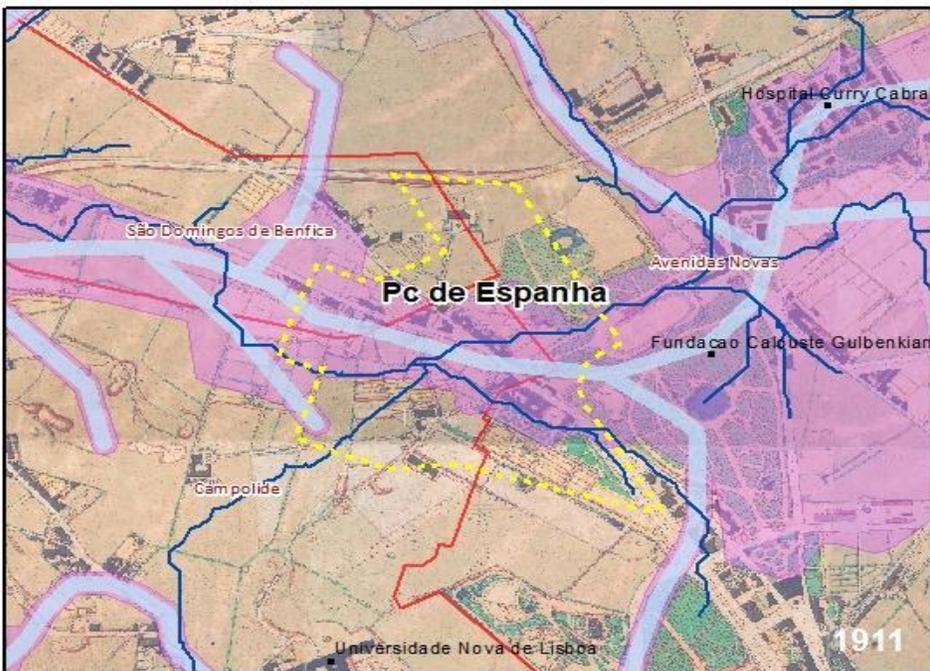
1950



1967



2018



- Prça de Espanha
- Linha de água simulada
- Talvegues
- Sistema húmido
- Freguesias

CÂMARA MUNICIPAL DE LISBOA
Hidrologia

Fonte de informação: Lisboa Interactiva, 2008
Sistema de referência: Hayford-Gauss, Datum 73
1:12 500



Praça de Espanha, before the intervention



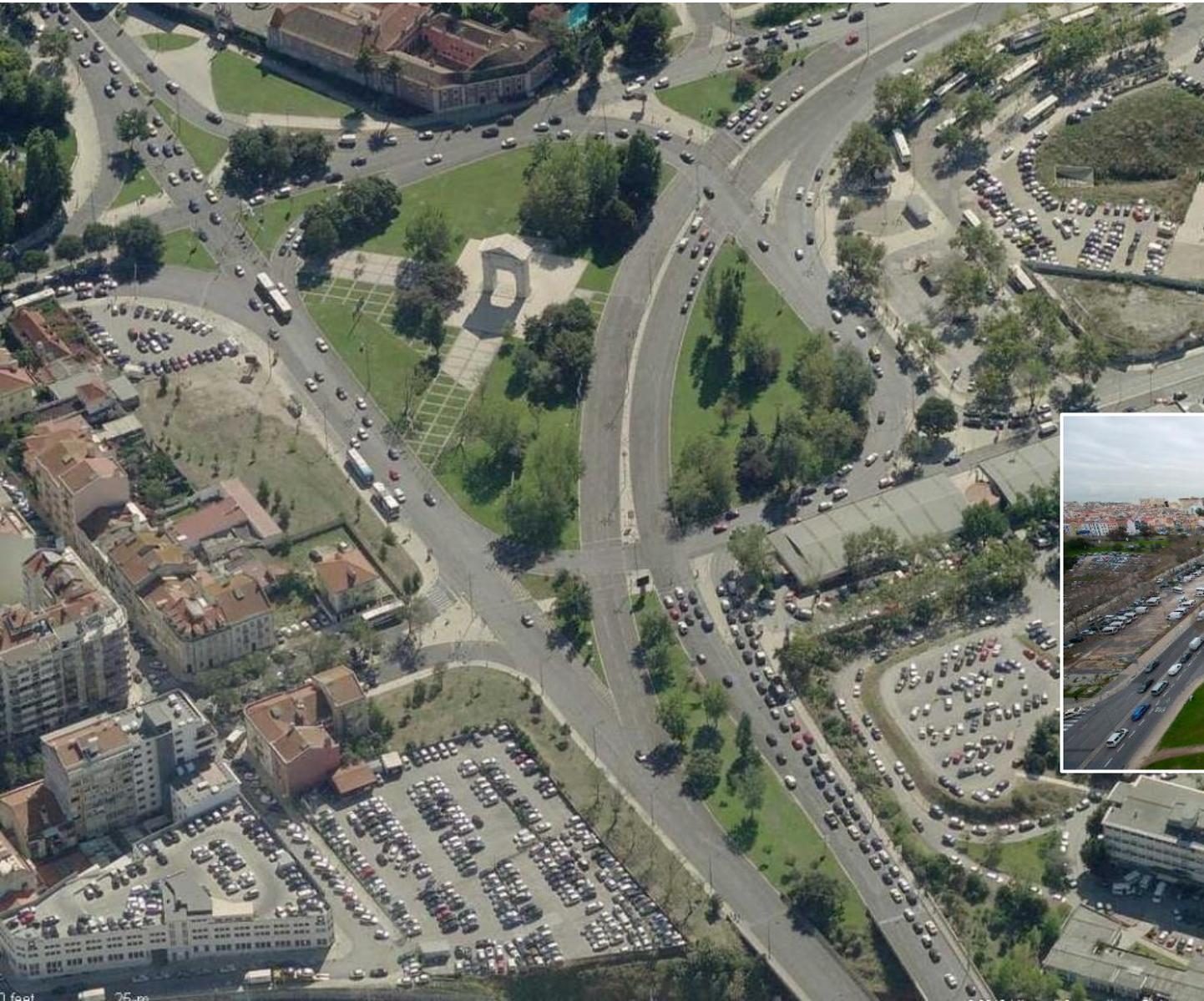
Floods after extreme rainfall event | 22 September 2014

Praça de Espanha, **before the intervention**



- Unused space, poorly qualified
- Difficult to use for walking or cycling routes

Praça de Espanha, **before the intervention**



- Elimination of obsolete spaces, such as a disused market;
- Relocation of the public transport hub;
- Improvements to traffic circulation at key entry points into the city.



Praça de Espanha, **before the intervention**

Engagement with community

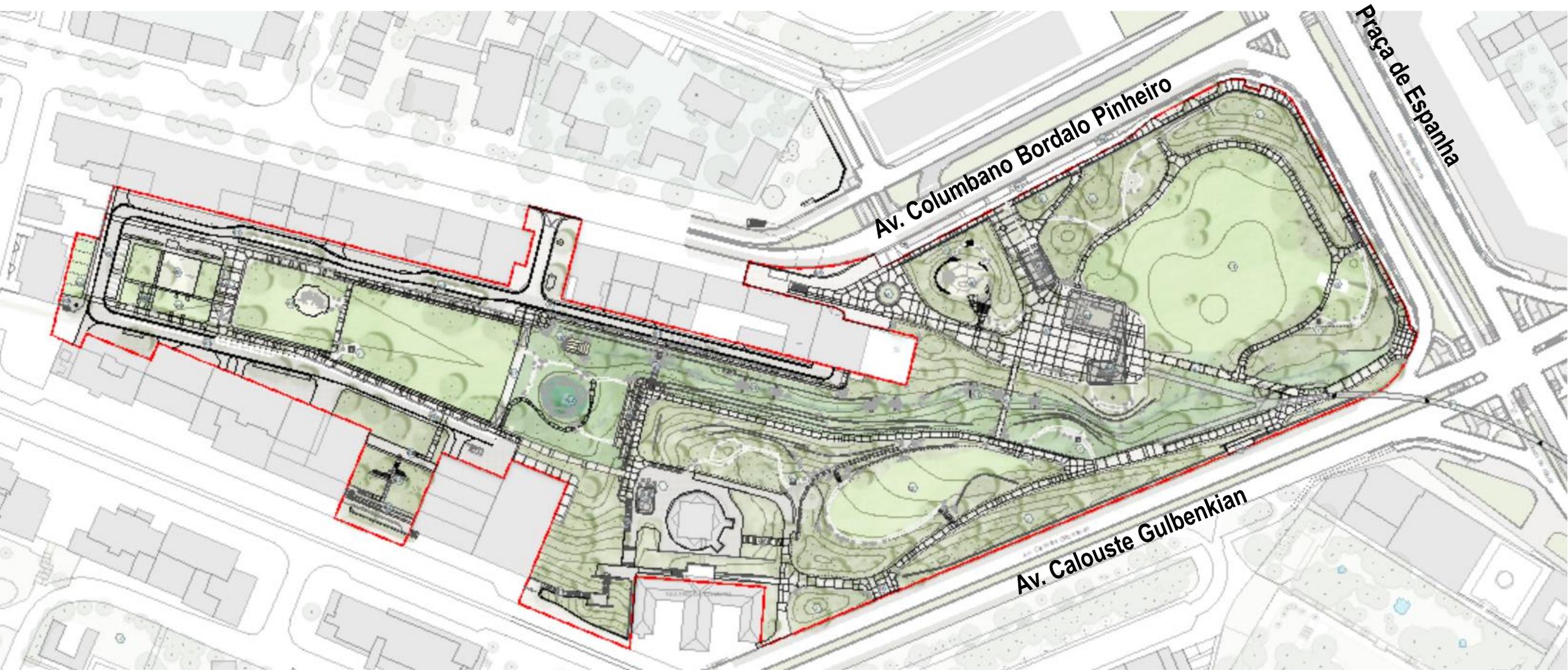
- International design contest- special form of public procurement (ideas)
- Twelve design projects submitted
- Exhibitions
- Public debates with different stakeholders



Reproduzir (k)



Praça de Espanha / Gonçalo Telles Urban Park - Project



Praça de Espanha, after the intervention: **Gonçalo Ribeiro Telles Urban Park, 2021**



- 6 hectares;
- Stretch of watercourse renatured with the planting of riparian vegetation on the banks.
- Plantation of over 1000 trees;
- Creation of leisure and recreational areas.
- Inclusion of pedestrian paths and playground;
- Construction of a cycle path with bike-sharing stations.

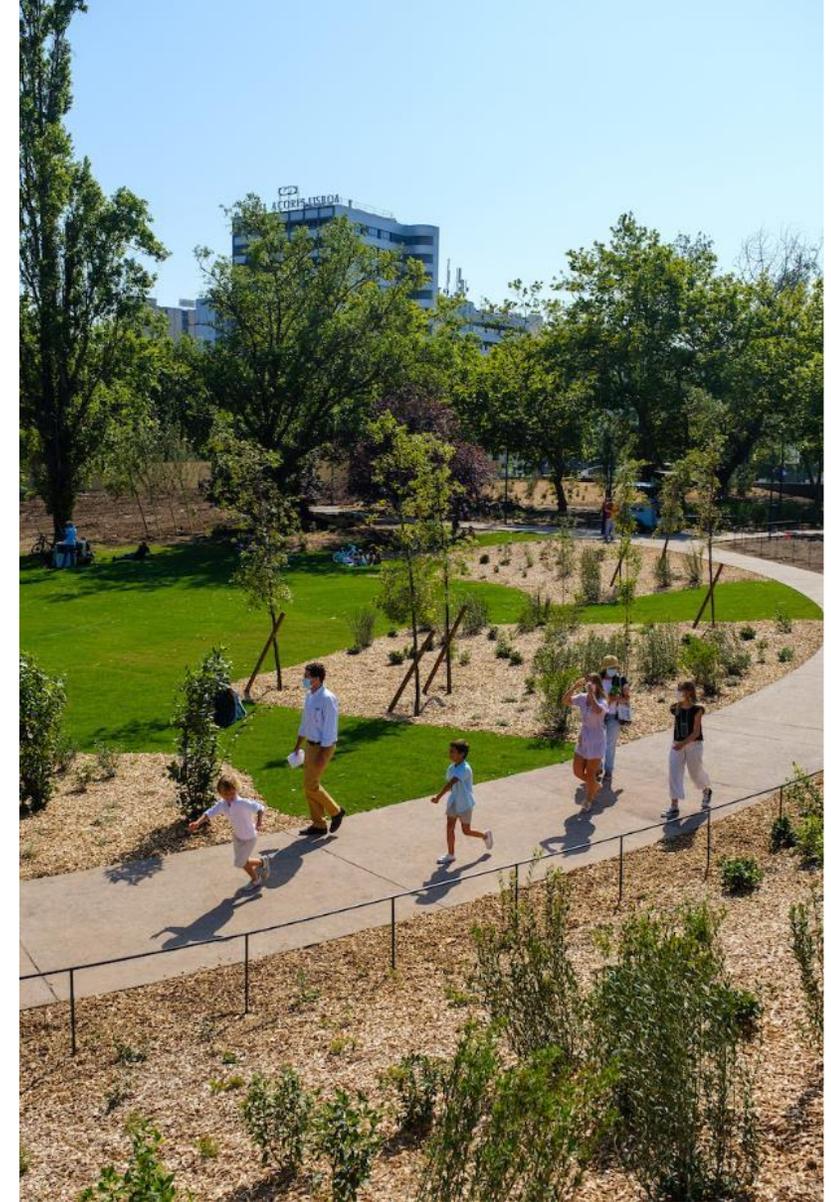
Praça de Espanha, after the intervention: **Gonçalo Ribeiro Telles Urban Park**

This new green area connects the Calouste Gulbenkian Foundation Garden with the Monsanto Green Corridor. In total, the project covered 11 hectares and extending the reclaimed water network from the Alcântara WWTP, which will soon enable the irrigation of the new park with reclaimed water.



Praça de Espanha, **after intervention**

- Requalification of public space
- Pedestrian routes of continuity and connection with the surrounding urban neighborhoods



After intervention

- Easier and easier car circulation
- Improvement of the BUS corridor
- Integration of a cycling network
- Pedestrian connection between the Gulbenkian and Sete Rios



Praça de Espanha, after the intervention: **Gonçalo Ribeiro Telles Urban Park**



Renaturing of public space through natural-based solutions aimed at promoting flood peak flow reduction, controlling frequent floods recorded at this location, and cooling the city

Praça de Espanha, after the intervention: **Gonçalo Ribeiro Telles Urban Park**



Praça de Espanha, after extreme rainfall event | 13th December 2022

Efficient water cycle management; public space cohesion; smooth mobility and accessibility; continuity between neighbourhoods



Praça de Espanha, after the intervention: **Gonçalo Ribeiro Telles Urban Park**



Praça de Espanha, after the intervention: **Gonçalo Ribeiro Telles Urban Park**



Praça de Espanha, after extreme rainfall event | 13th December 2022



Intervention is aligned with the commitments of the **City Climate Contract**, competes for the climate neutrality, sustainability and inclusion goals assumed by Lisbon by 2030 and with **Sustainable Development Goals**

15 LIFE ON LAND



Make cities and communities inclusive, safe, resilient and sustainable

11 SUSTAINABLE CITIES AND COMMUNITIES



Strengthen resilience and the ability to adapt to hazards and natural disasters related to climate and climate change.

13 CLIMATE ACTION



Halt biodiversity loss

17 PARTNERSHIPS FOR THE GOALS



Promotion of partnerships to support the implementation of actions that promote sustainable development objectives



- Adaptation to extreme weather events, increasing your resilience to climate risks (current and future)
- Strengthening the Green Structure and valuing Biodiversity
- Improving public space, promoting the safety of people and goods, social cohesion and quality of life
- Water Efficiency







Prémios verdes

Associação
A Presidente da República
VISÃO
ÁGUAS DE PORTUGAL

ÁGUA E CIDADES SUSTENTÁVEIS
VENCEDOR
2023





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