



Country /City Rome, Italy

University / School Università degli Studi di Roma Tre

Academic year 2021-2022

Title of the project Amphibious landscapes - Floodable park along the course of Tor Sapienza's ditch, in Colli Aniene, Rome

Authors Dattilo Sara

TECHNICAL DOSSIER

Title of the project Amphibious landscapes - Floodable park along the course of Tor Sapienza's ditch, in Colli Aniene, Rome
Authors Dattilo Sara
Title of the course Final degree dissertation
Academic year 2021-2022
Teaching Staff Metta Annalisa
Department / Section / Program of belonging Architecture/Urban design/Landscape Architecture
University / School Università degli Studi di Roma Tre



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

The site is located in the east of Rome and it is delimited by the Aniene River on the north, by the Grande Raccordo Anulare on the west, and by the railway lines on both the south and the west sides. The dissertation examined a specific area of interest, which is Colli Aniene's district and the bordering Cervelletta's Park, with a specific focus on the exchanges between land and water. This site originated in a territory defined by the wild vegetation of the Valle dell'Aniene's Reserve, where Cervelletta's Park is located. Tor Sapienza's ditch, is crucial to the park's landscape and makes the water and its dynamics the true protagonists of Cervelletta's Park. A historical analysis of the area has highlighted how decisive the intertwining of geography, soil and waters was for the environmental and social workings of the landscape. However, the structural development of the district was influenced by the indifference towards the geological substrate of the area and have forced its citizens to cope with periodical flooding. To promote the residual parts of the original structure, the project proposes to create a new floodable park, which can engage with the soil, the water, the vegetation and the passing of time. The park would be accessible during the whole year, even when potentially interested by flooding, thanks to newly introduced elements: a pattern of walkways, which would follow the imprints of pre-existing canals, and systems to cross the streams of water and mold the orography.

For further information

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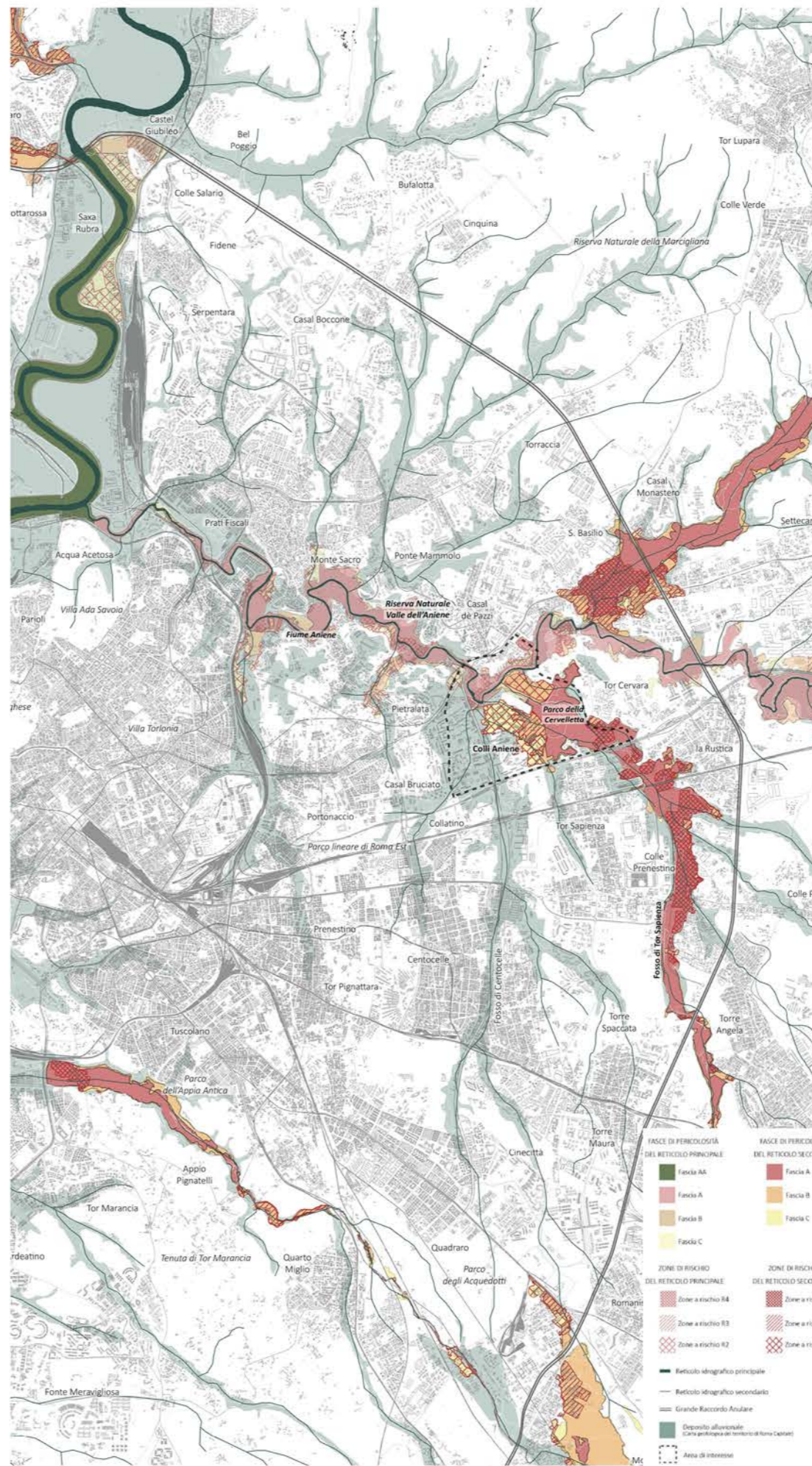
12th International Biennial Landscape Barcelona

Barcelona October 2023

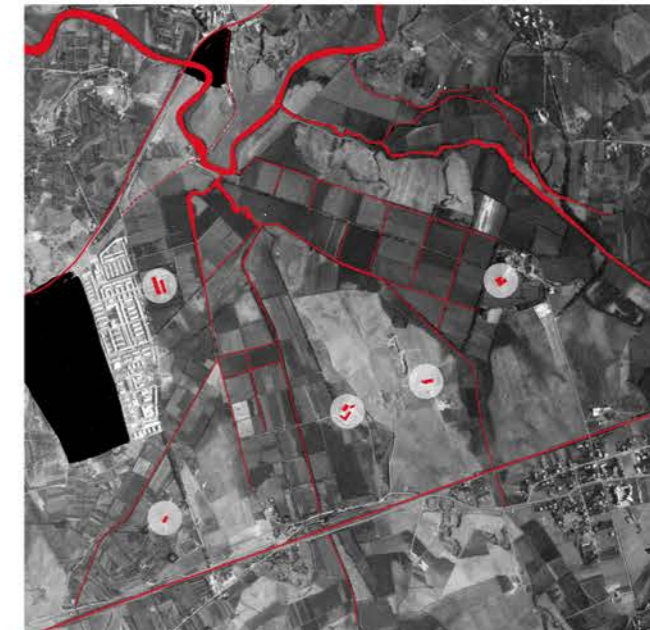
SCHOOL PRIZE



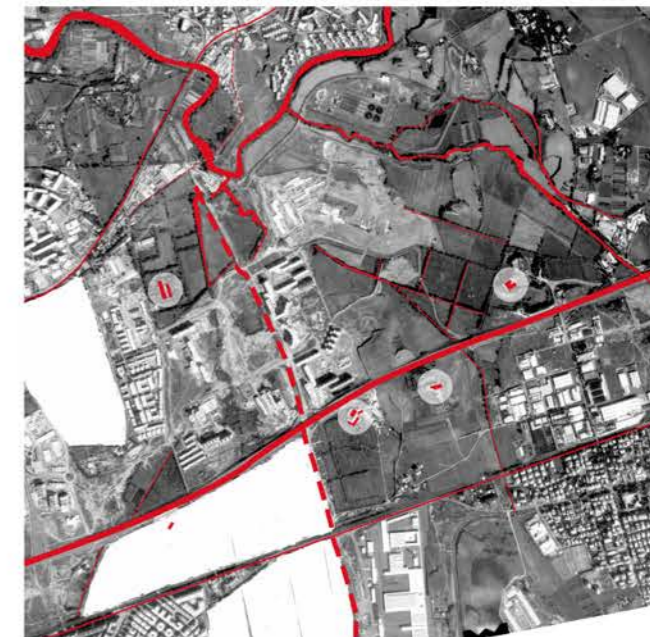
Analysis of the geological components



Analysis of the areas predisposed to hydrogeological risk



1942



1976

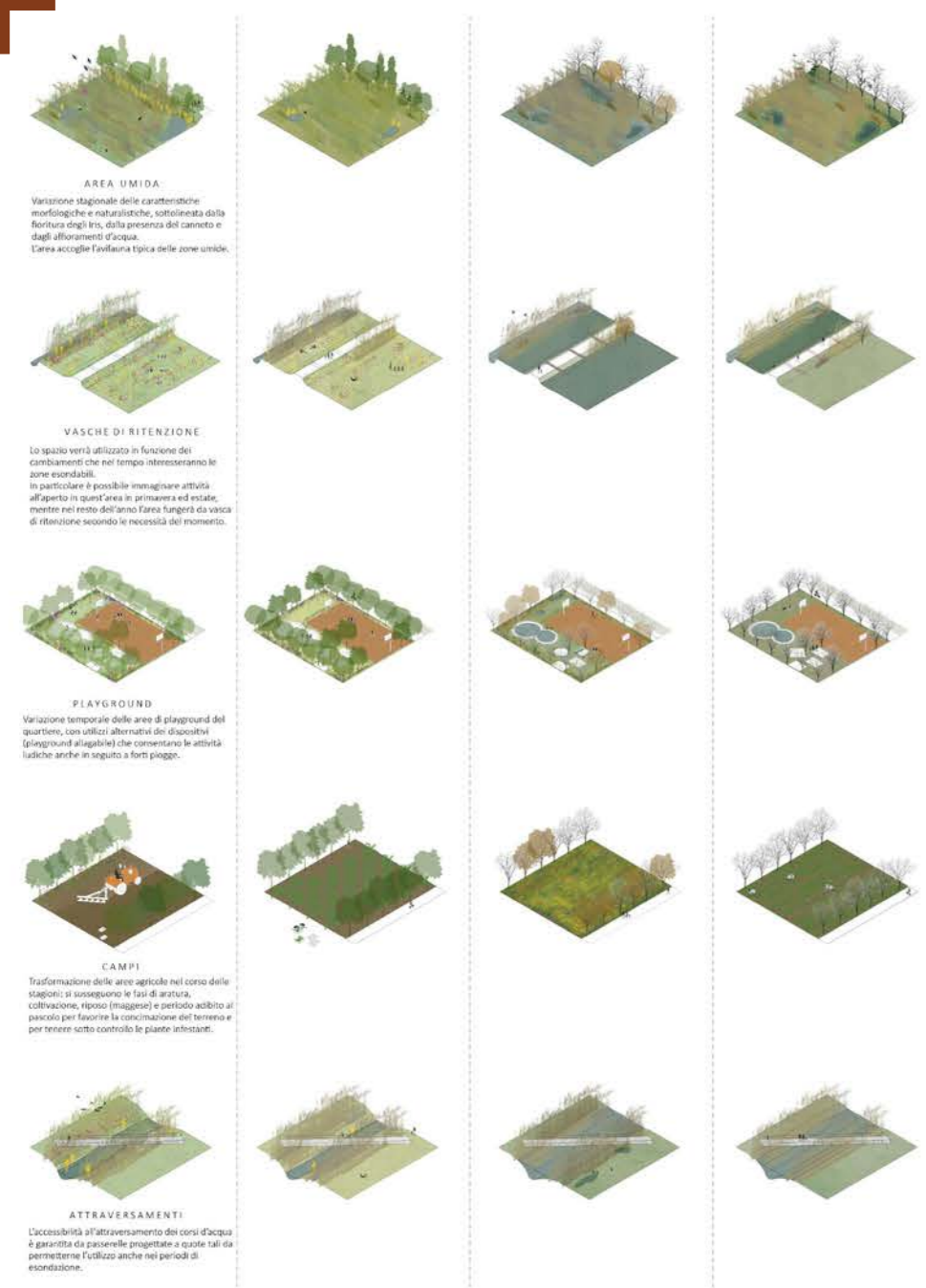


1991

Historical aerial photographs
Gently provided by Soc. S.A.R.A. NISTRÌ srl - Rome



Personal aerial photographs of the site



AREA UMIDA
 Variazione stagionale delle caratteristiche morfologiche e naturalistiche, sottolineata dalla fioritura degli iris, dalla presenza del canneto e dagli affioramenti d'acqua.
 L'area sceglie l'ossatura tipica delle zone umide.



VASCHE DI RITENZIONE
 Lo spazio verrà utilizzato in funzione dei cambiamenti che nel tempo interesseranno le zone esondabili.
 In particolare è possibile immaginare attività all'aperto in quest'area in primavera ed estate, mentre nel resto dell'anno l'area fungerà da vasca di ritenzione secondo le necessità del momento.



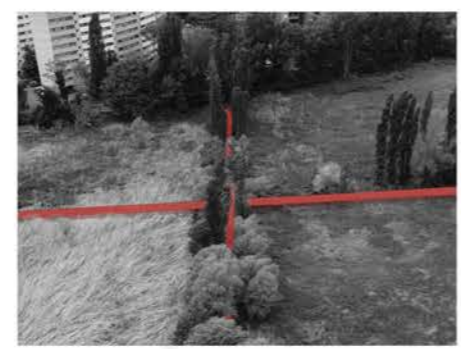
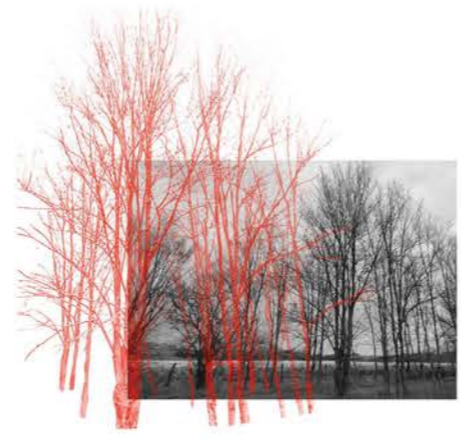
PLAYGROUND
 Variazione temporale delle aree di playground del quartiere, con utilizzi alternativi dei dispositivi (playground allagabile) che consentono le attività ludiche anche in seguito a forti piogge.



CAMPI
 Trasformazione delle aree agricole nel corso delle stagioni: si susseguono le fasi di aratura, coltivazione, riposo (maggesi) e periodo adibito al pascolo per favorire la concimazione del terreno e per tenere sotto controllo le piante infestanti.

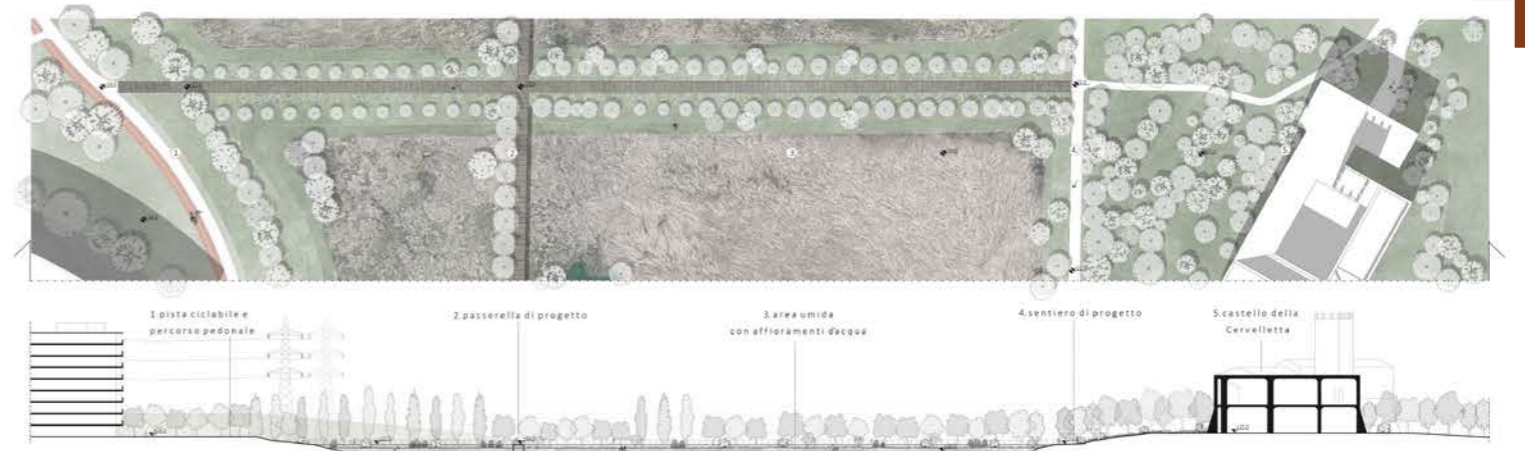


ATTRAVERSAMENTI
 L'accessibilità all'attraversamento dei corsi d'acqua è garantita da passerelle progettate a quote tali da permettere l'utilizzo anche nei periodi di esondazione.



Site's transformation with seasonal change

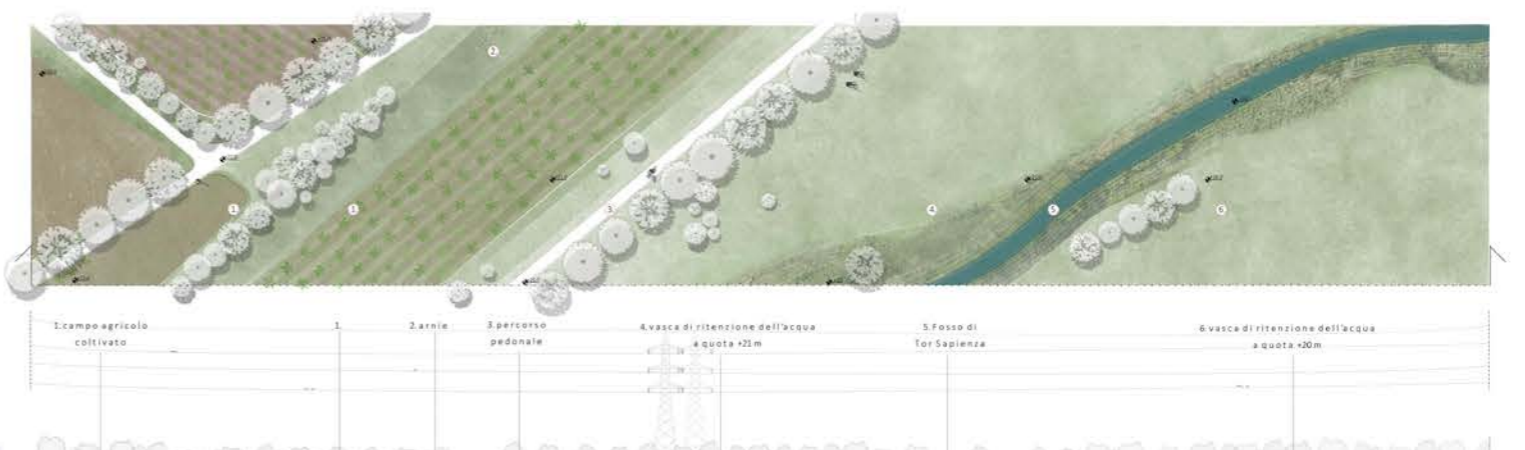
Visions



Section and layout in spring



Section and layout in autumn



Section and layout in spring



Section and layout in autumn



Tor Sapienza's ditch new walkway



New walkway towards Cervelletta's ancient farmhouse