



If one accepts the simple proposition that Nature is the arena of life and that a modicum of knowledge of her processes is indispensable for survival and rather more for existence, health and delight, it is amazing how many apparently difficult problems present ready solution.

Ian L. McHarg,
Design with nature, 1969

Country / City	Italy, Milan
University / School	Politecnico of Milan, School of Architecture Urban Planning Construction Engineering
Academic year	A.Y. 2018-2019
Title of the project	2100: Agro Pontino is f-loading. The silent power of the lagoon.
Authors	Ida Orlando, Valeria Rellori, Giulia Stecchi

TECHNICAL DOSSIER

Title of the project	2100: Agro Pontino is f-loading. The silent power of the lagoon.
Authors	Ida Orlando, Valeria Rellori, Giulia Stecchi
Title of the course	Master degree Thesis
Academic year	A.Y. 2018-2019
Teaching Staff	Supervisor: Matteo Umberto Poli, Co-supervisor: Andrea Gritti
Department/Section/Program of belonging	Landscape architecture, School of Architecture Urban Planning Construction Engineering,
University/School	Politecnico of Milan



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

The Agro Pontino plain is one of the most at risk Italian coastal landscape due to erosion, sea level rise and flood phenomena. The integral reclamation and the consequent urbanization process modified a territory once dominated by vast wetlands and dunes. The altered topography and the water pumping system will no longer be able to effectively contrast the impact of climate change. The simulation of the flood risk scenario due to the sea level rise, expected by 2100, shows the lowland as the most critical area. The complex line between earth and sea has to be considered as a dynamic border on which to intervene referring to a landscape that interacts by mediating the respective forces. In order to turn fragilities into opportunities, the plain treatment will be adaptive to the future environmental challenges, preserving the inland production, through the introduction of an open lagoon, as a natural water control basin, the regeneration of the dune system and the consolidation of the boundary. The design process involves a progressive gradient of natural and artificial elements along the buffer zone applying specific solutions e creating a continuum with the context. The aim is to create a flood resilient system and an ever-changing landscape able to face the future upheavals and to provide a social catalyst. Sustainable design opportunities - social, cultural and physical processes- will lead to a new scenario aiming a resilient attitude and a new collective identity.

For further information
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BOUNDARY TREATMENTS

