



One of the most complex discussions concerning climate emergency is the sustainable water management. How to deal with the risks generated by climate change where the presence of cultural and environmental assets is highly stratified over time? How to manage large densely populated areas rich in environmental and human resources, ensuring their protection and development? It's now time to integrate the connections between the different territorial scales and to ensure the balance between public and private interests in a framework of sustainable strategies. SOS Climate Waterfront is an interdisciplinary project that aims to explore waterfronts in Europe that are facing climate change. The volume presents the results of the workshop held in Rome in spring 2022.

## **Table of contents**

### **Introduction**

Vulnerability and opportunity on waterfront facing climate change  
*Pedro Ressano Garcia*

Do three different waterfronts make Rome a city of water?  
*Claudia Mattogno*

### **PART 1: Rome Coastal System**

Rediscovering Layers and Links Between Water Landscapes and Cultural Heritage  
*Claudia Mattogno*

The 'Various Landscapes' of the Ostiense Coast Cultural and Environmental Heritage  
*Maria Grazia Turco*

The Coastal Territory of Rome Environment, Architecture, Archaeology

*Sonia Gallico, Barbara Tetti*

The Navona Lake and the Eels of the Pantheon Architecture and Landscape for Flooding

*Annalisa Metta*

A Trip Along the Lazio Coast

*Giulia Luciani*

Land Consumption and Coastal Erosions in Italy. A Focus about the Lazio Region

*Michele Manigrasso*

Land Consumption Along Coasts is Increasing Local Vulnerability. The Case of Rome and Other Six Cities

*Francesca Assennato, Daniela Smiraglia, Chiara Giuliani, Alice Cavalli*

### **Projects results**

Roman Riviera Rome Open to the Sea

## **PART 2: Rome and the Tiber**

The Great Floods of the Tiber River in History

*Guido Calenda, Corrado Paolo Mancini*

The Strategic Approach in Planning Water Cities. National and International Best Practices

*Carmen Mariano*

Regenerating Cities with Blue and Green Networks. Inspirational Models and Rome Potential

*Irene Poli*

The General Masterplan for Rome and the Key Role of the Tiber Strategic Planning Zone

*Chiara Ravagnan*

Rethinking the Human-Water Interface for the Tiber and the City of Rome: the PS5 Flood Risk Management Plan

*Fernando Nardi, Antonio Annis*

The Tiber River Contract: the Roman Path  
*Luna Kappler*

The Public Space Around the Tiber Realm  
*Federica Dal Falco*

The Flaminio District. Historical Plans and Urban Fabric Evolution  
*Bruno Monardo*

Landscape and Perception Values in the Urban Context of Flaminio  
*Francesca Rossi*

### **Projects results**

Through water  
Let it Tiber

### **PART 3: Rome Aniene River**

White and Blue Water and Travertine Landscapes Along the Aniene  
*Elena Paudice*

Spaces and Initiatives Along the River Aniene  
*Tullia Valeria Di Giacomo*

The Role of Local Association in Improving the Quality of River Spaces  
*Marta Polizzi*

Water - and Heat - Resilient Built Environment  
*Simona Mannucci, Federica Rosso*

The Quality of Urban Rivers with Respect to the Contaminants of Emerging Concern  
*Camilla Di Marcantonio, Agostina Chiavola, Maria Rosaria Boni*

The Problem of Forgotten Peripheral Rivers and Streams in Big Cities  
*Paulina Bone*

## **Projects results**

Discovering Aniene

Permeable Widen Aniene

## **PART 4: Water as a Lifeline for Rome**

Urban Watering by Nature: the Romans way. A graphic story

*Germaine Sanders*

---

## **BOOK Info**

Pedro RESSANO GARCIA, Claudia MATTOGNO, Bruno MONARDO, Antonio CAPPUCCITTI  
(edited by)

Waterfront Dialectics

Rome and its Region Facing Climate Change Impacts

TAB Edizioni, Rome, 2023

Pages: 308

ISBN (print version): 978-88-9295-666-7

ISBN (digital version): 978-88-9295-685-8

<https://www.tabedizioni.it/shop/product/waterfront-dialectics-1197>

---

## **Author's Biography**

### **Pedro RESSANO GARCIA**

Pedro Ressano Garcia is an architect who divides his time between research, teaching and the practice of architecture. Currently he's teaching at École d'architecture de l'Université Laval at Québec. He began teaching at the University of California, Berkeley in 1996 and he was a professor in Portugal. He has lived and worked in various waterfront cities, Barcelona, Lisbon, Quebec, Oporto, Rio de Janeiro, San Francisco. He has collaborated as an expert in Abu Dhabi, Beograd, Cairo, Eindhoven, Cracow, Hamburg, Trieste, Taiwan, Gdansk, Guangzhou and Sidney; his research mainly focuses on the transformation of riverside towns. In his studio in Lisbon (Pedro Ressano Garcia Studios), theory and practice are combined in architecture and urban design projects, as well as in the development of studies and ideas that enhance each cultural reality.

### **Claudia MATTOGNO**

Claudia Mattogno, PhD architect and urban planner, is full professor of Urban Planning at the Sapienza University of Rome. Her research fields concern urban design with reference to the structure and meaning of relational spaces, the transformations of public housing districts and the contemporary landscape, urban agriculture and gender studies.

### **Bruno MONARDO**

Bruno Monardo, Architect, PhD in Urban and Regional Planning, is Associate Professor of Urban and Regional Planning at the Department of Planning, Design, Technology of Architecture (PDTA), Sapienza University of Rome (Italy). Visiting professor and invited scholar at international institutions as Massachusetts Institute of Technology in Cambridge (Massachusetts, USA), Northeastern University in Boston (Massachusetts, USA), San Diego State University (California, USA), Institut d'Aménagement et d'Urbanisme Ile-de-France (AIU) in Paris. He has directed and still coordinates international research projects on various topics, such as the relationship between mobility planning and urban regeneration, the impact of Innovation Districts on local and regional development, the phenomenon of "Urban Centers" as turbines of participatory democracy; on these issues he has edited numerous volumes, essays, articles.

**Antonio CAPPUCCHETTI**

Antonio Cappuccitti, civil engineer and Ph.D., is an associate professor at the Sapienza University of Rome, Faculty of Civil and Industrial Engineering. His favorite research fields: urban morphology, rules and regulations for a good city form, innovative plans and programs for urban regeneration.

---