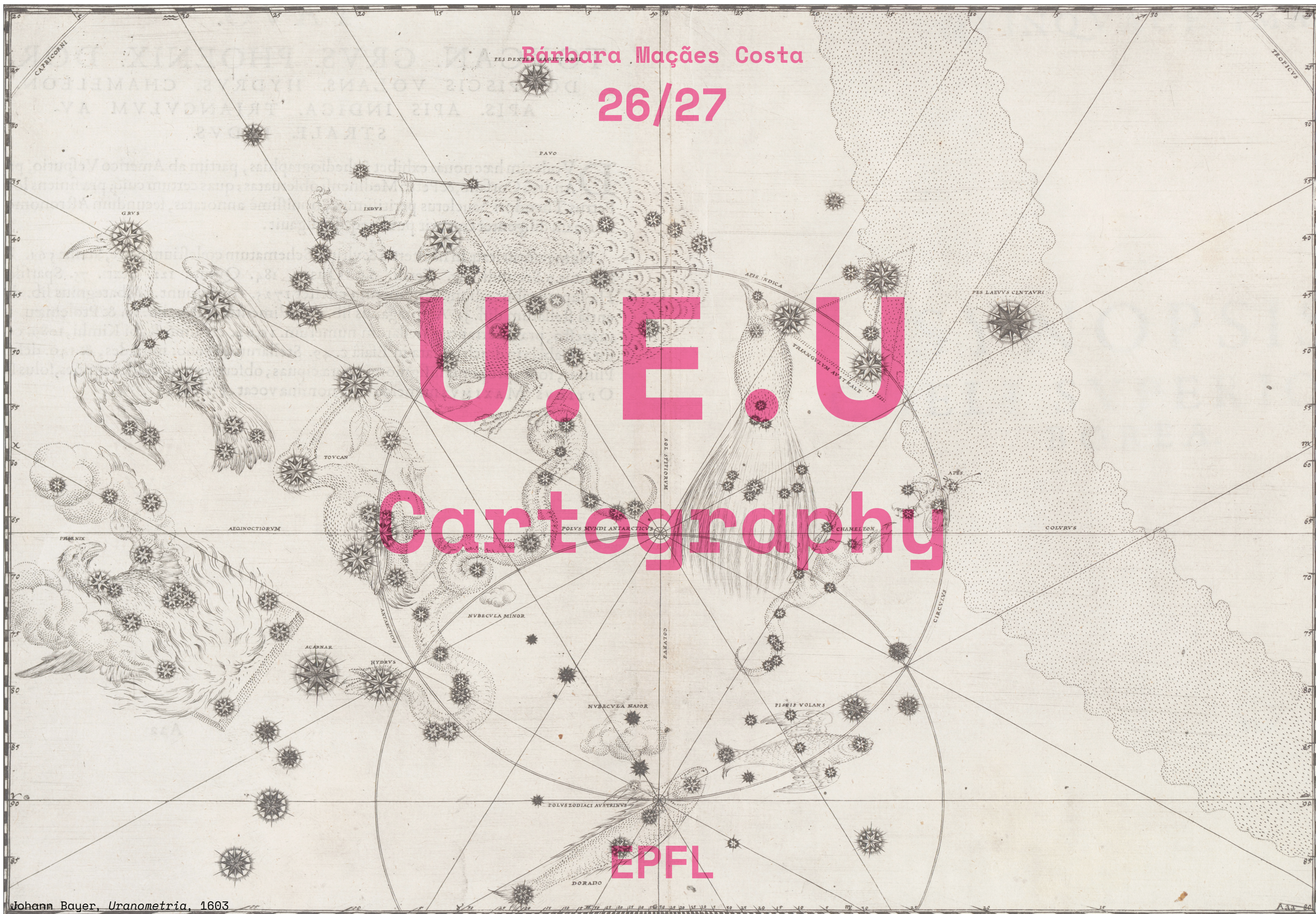


Bárbara Mações Costa

26/27

U.E.U
Cartography

EPFL



Topic

Object > Landscape > Environment

Architectural Objects

3/36

A multitude of immanent forms.

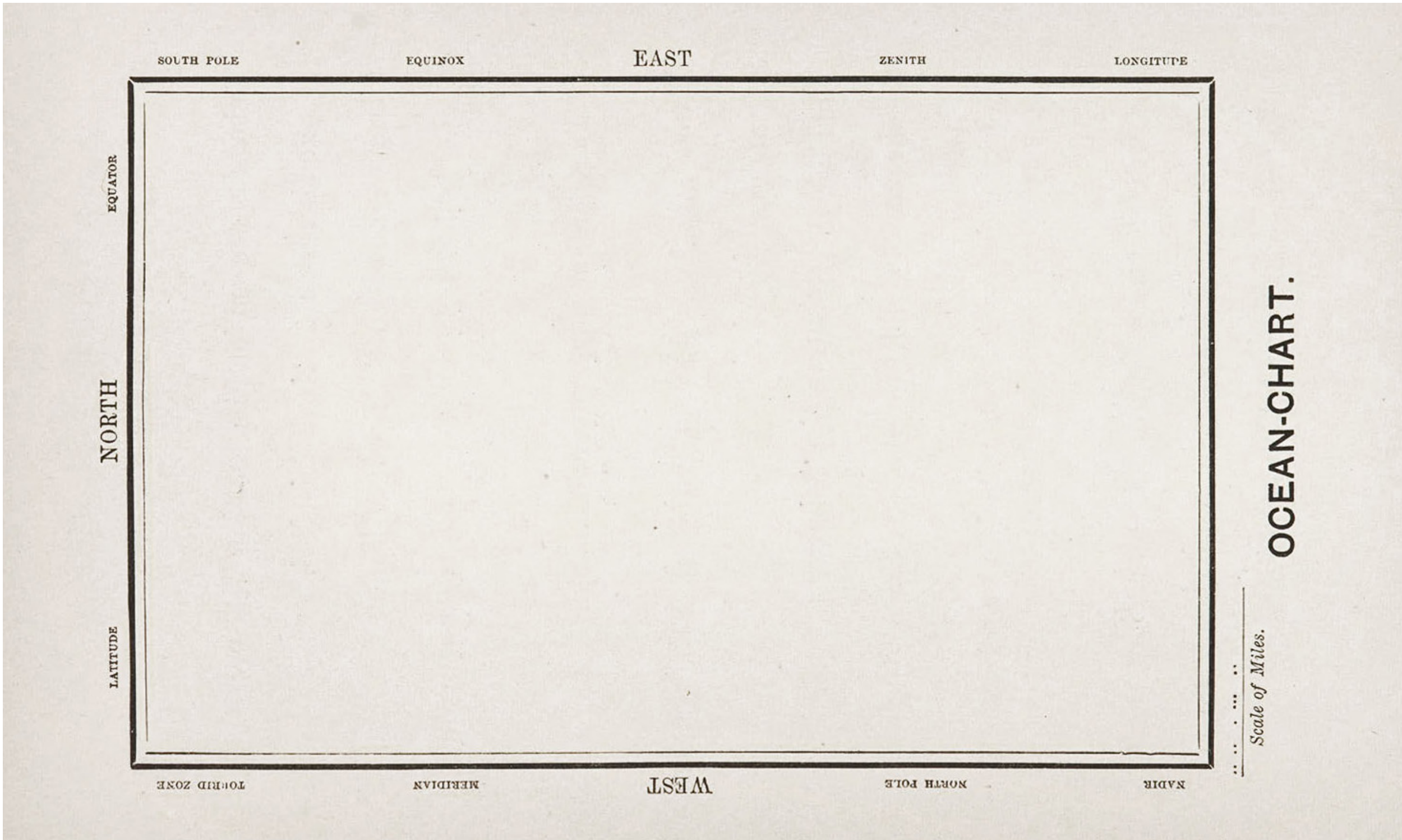


Limbourg Brothers, "A Map of Rome" in *Très Riches Heures du duc de Berry*, 1411–16

Landscape Backdrops

A field of contingent and undifferentiated resources.

“He had bought a large map
representing the sea,
Without the least vestige of land:
And the crew were much pleased
when they found it to be
A map they could all understand.”



Lewis Carroll, “The Bellman’s Map” in *The Hunting of the Snark*, 1876

The Architectural 'Banquet of Nausea'

5/36

The modern triumph of the fragment, the loss of organic wholeness, a semantic void created by an excess of visual noise.



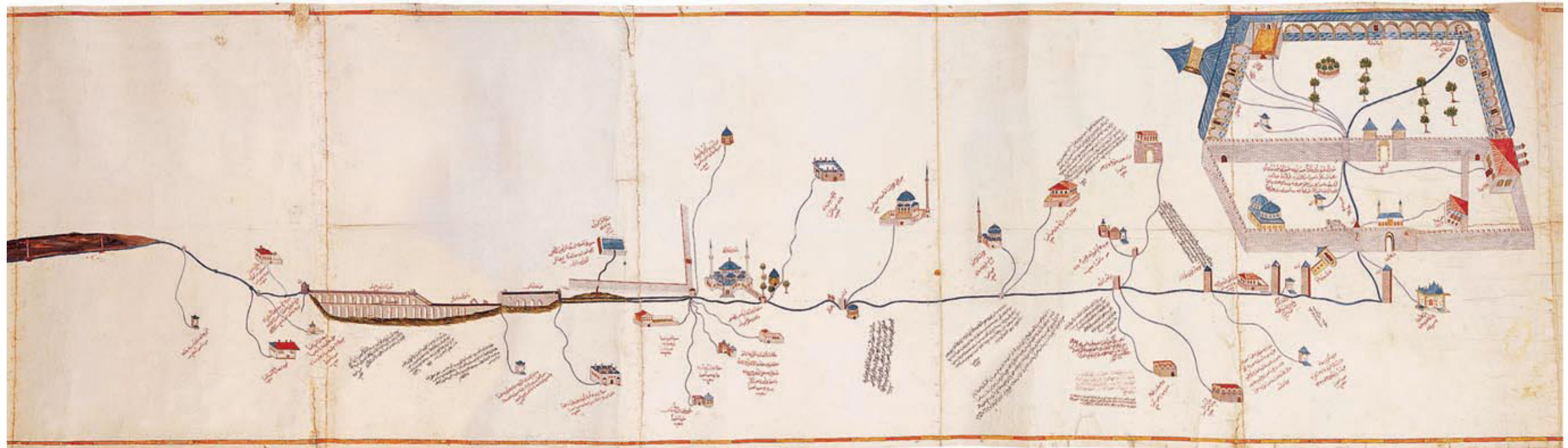
Land Constellations

6/36

Dialectic of subject and substance, form and context:

- landscapes have meaning,
- objects are reflective of their material conditions of possibility.

Consistent (but incomplete) wholes.



Method

Object > Frame > Layers > System

Object

8/36

Álvaro Siza, Bairro da Malagueira, Évora, 1977–90.

- “Conduit, Patio, Waste” > Ph.D. diss. EPFL 2021.

Photographs by José M. Rodrigues, 1990 (Arquivo Fotográfico de Évora)



- Conduit



- Patio



- Waste

Aerial photograph.

Bárbara Mações Costa, Ph.D. diss. EPFL. 2021

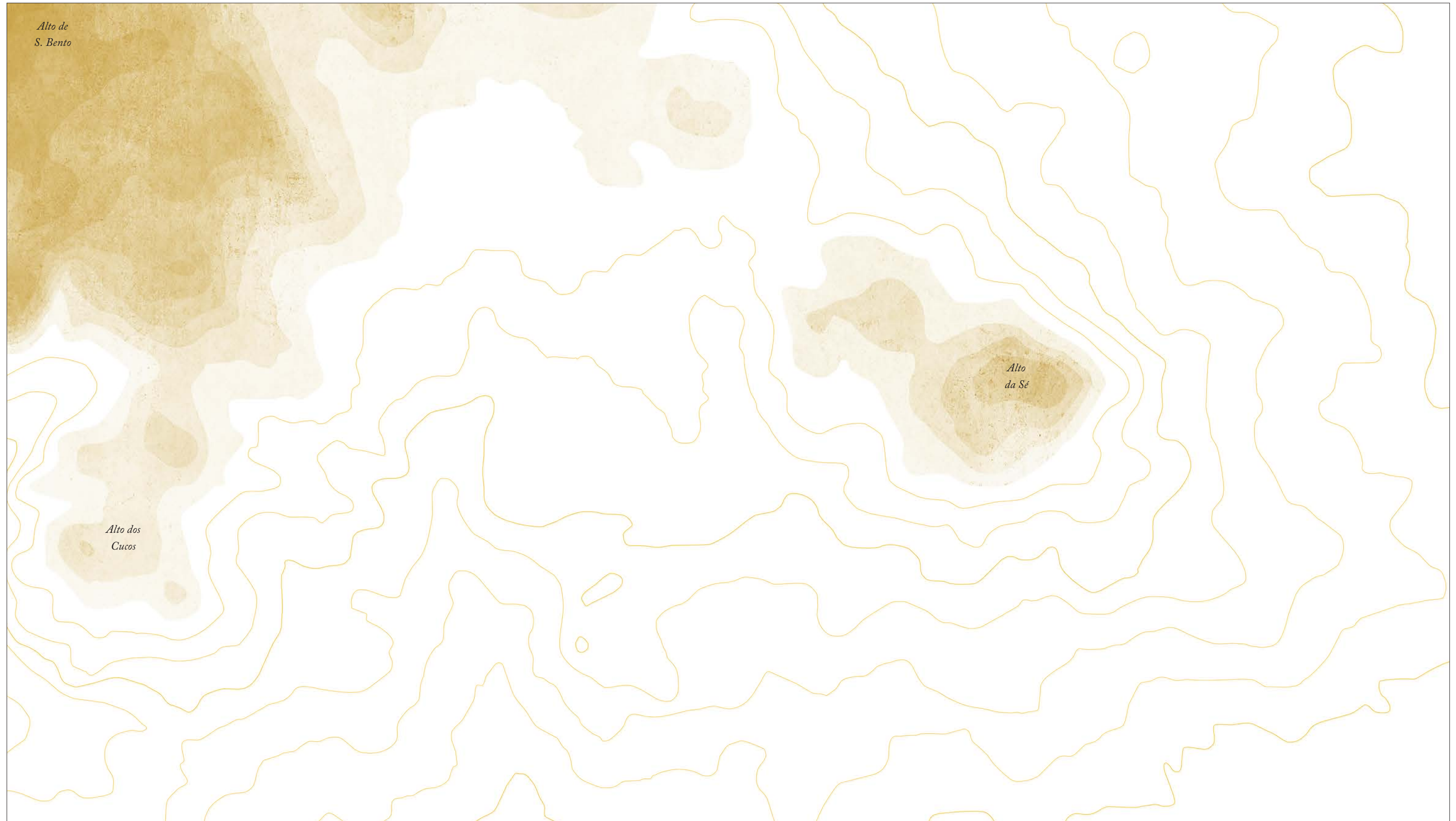


Layers

10/36

- Topography (acropolis, *ermo*, plains).

Bárbara Mações Costa, Ph.D. diss. EPFL. 2021



Layers

11/36

- Hydrography (streams, drainage, basins).
- Vegetation (orchards, forests, parks).

Bárbara Mações Costa, Ph.D. diss. EPFL. 2021



Layers

12/36

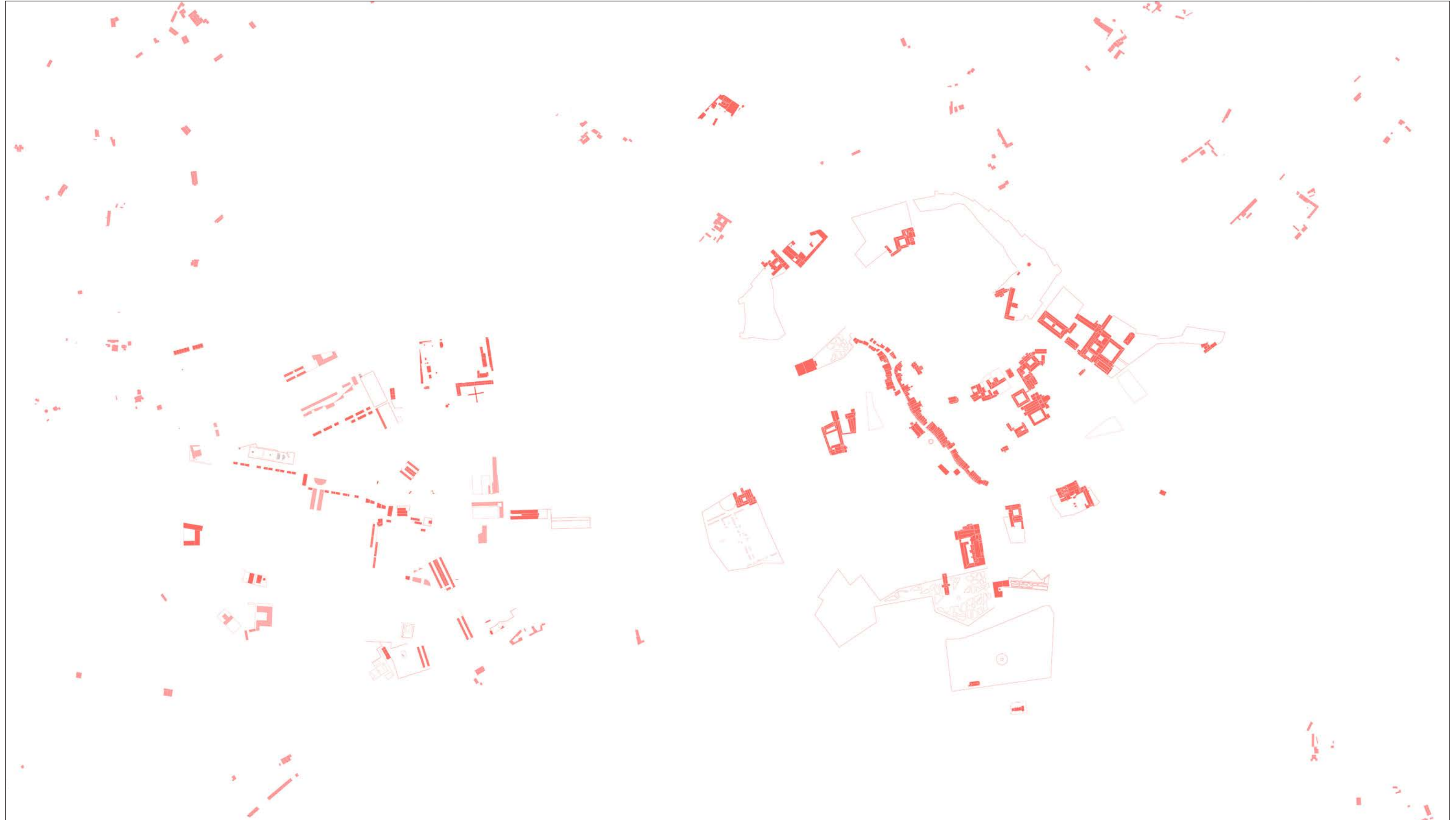
- Infrastructure (roads, railways, aqueducts, walls).

Bárbara Mações Costa, Ph.D. diss. EPFL. 2021



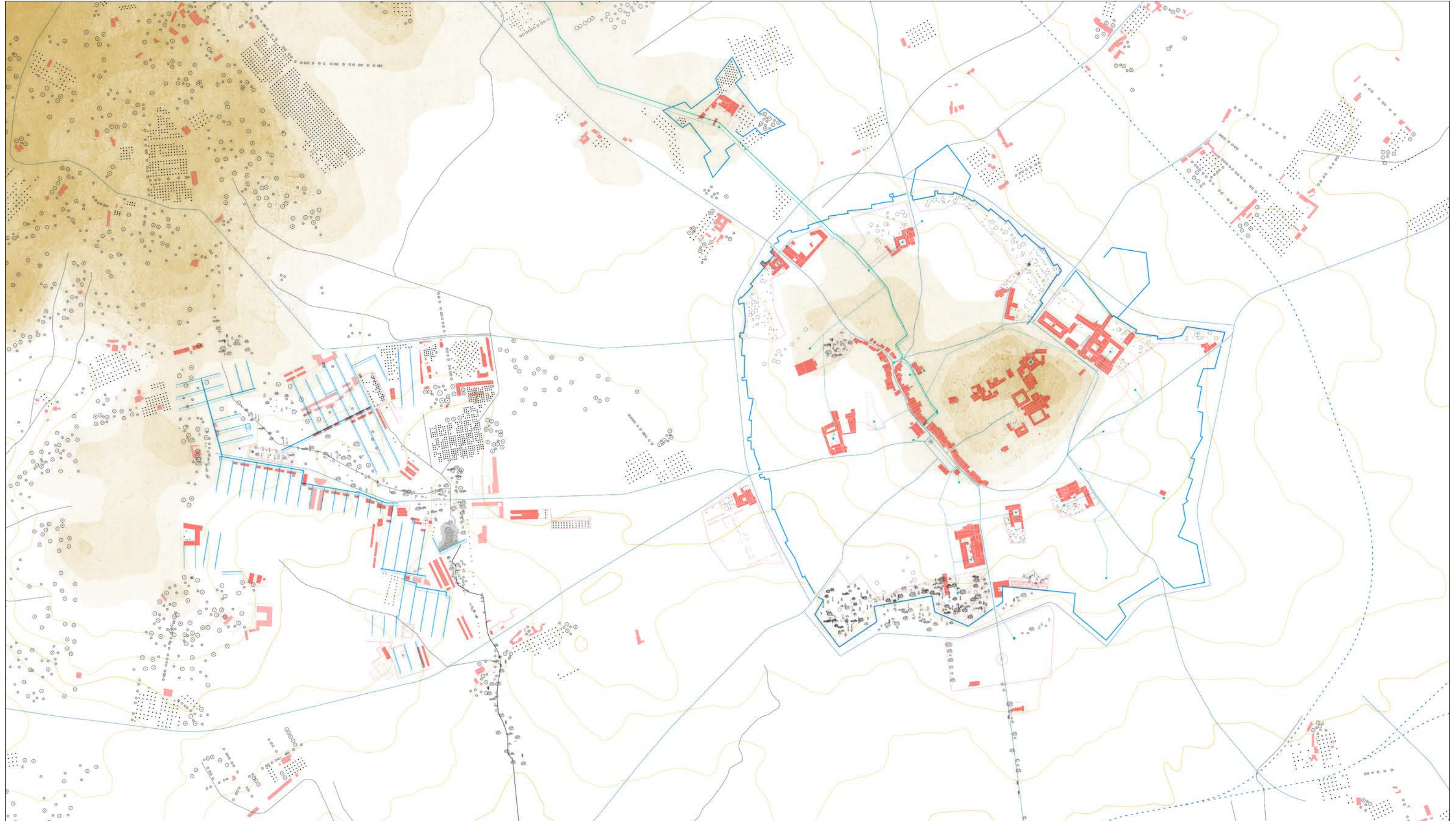
- Main buildings (religious, agrarian, commercial).

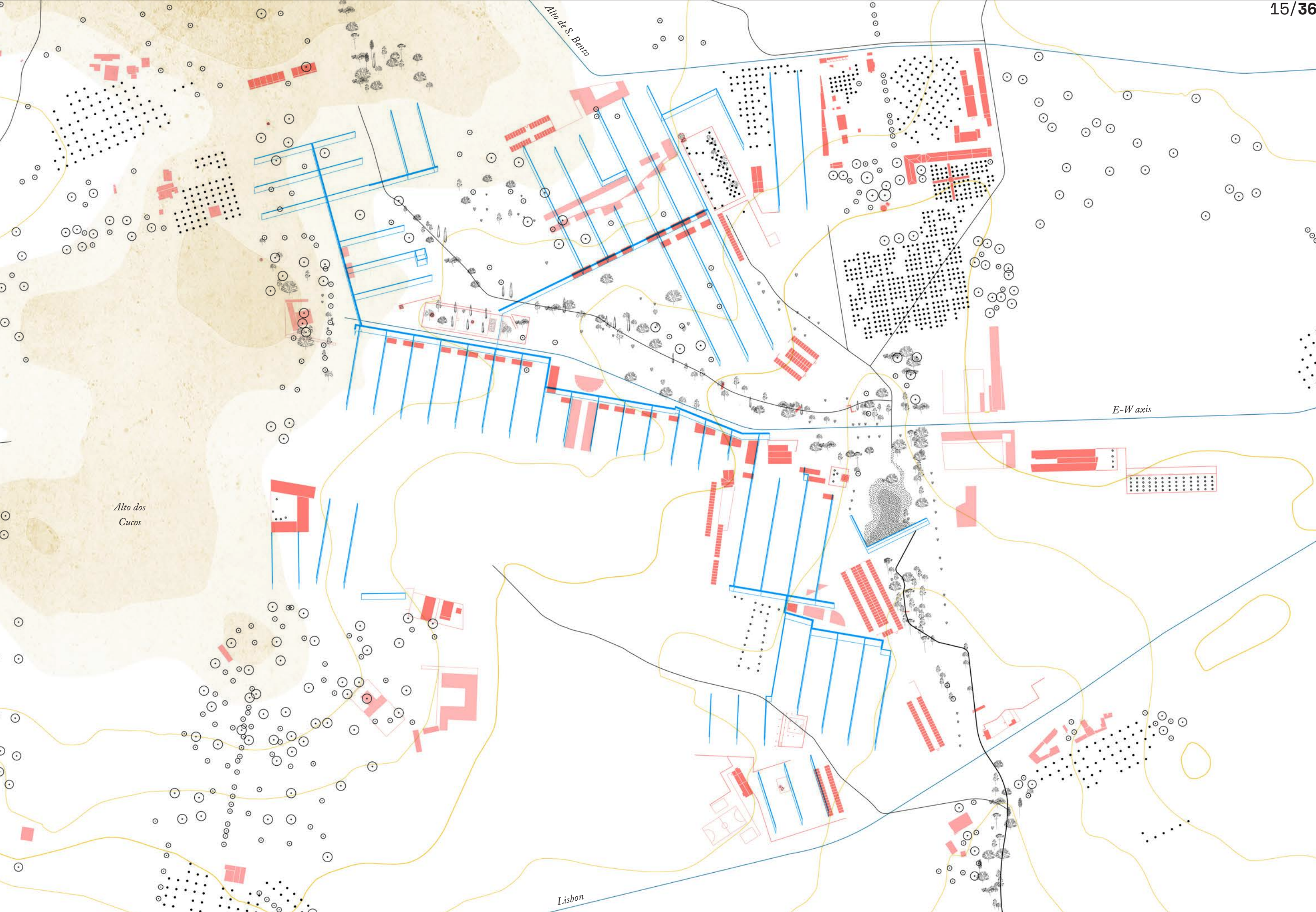
Bárbara Mações Costa, Ph.D. diss. EPFL. 2021



A totality of wholes, an environmental formation.

Bárbara Mações Costa, Ph.D. diss. EPFL. 2021





Assignments

Drawing > Tracing > Mapping

Drawing: Graphic Layers

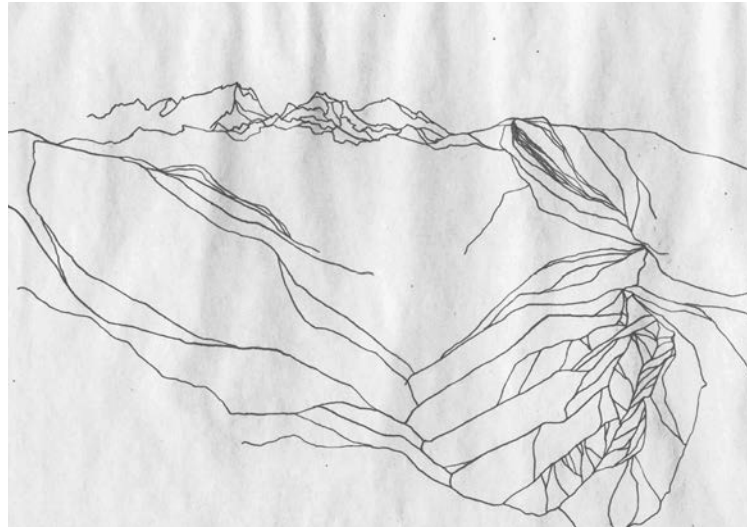
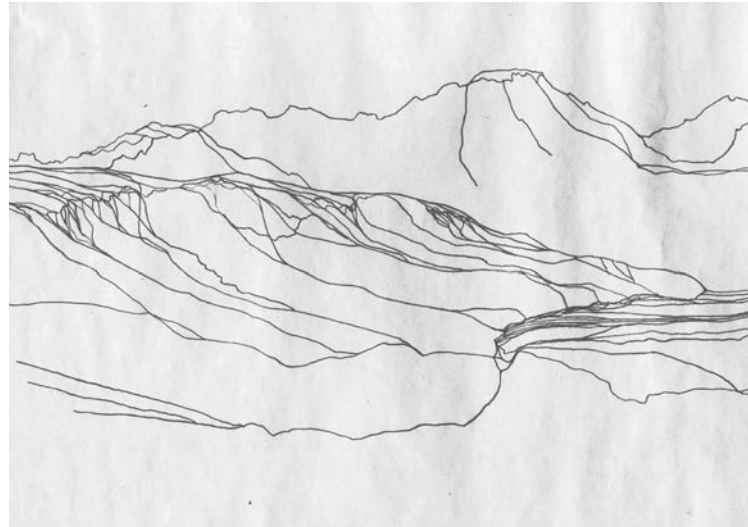
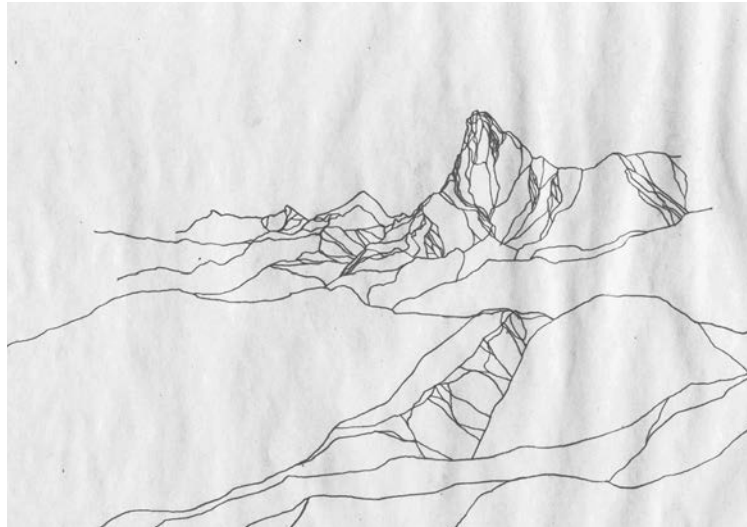
17/36

Lines > Dots > Blots > Voids > Colour

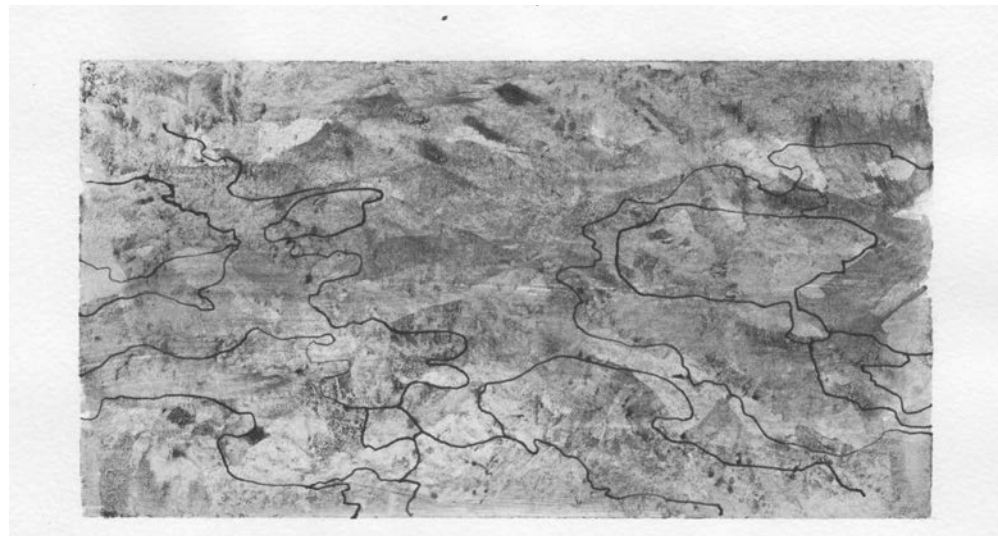
Bárbara Mações Costa, Master diss. FBAUL, 2016



- Vegetation



- Topography

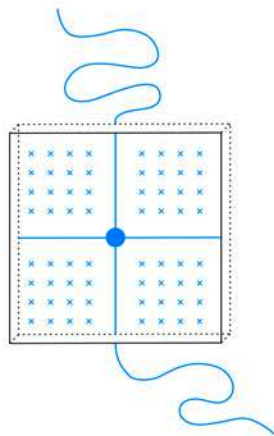


- Hydrography

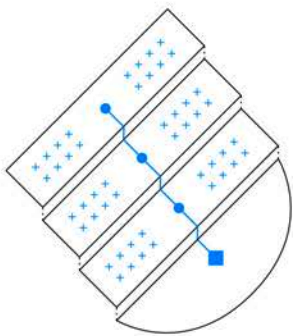
Tracing: Spatial Figures

Landscape > Urban > Hybrid

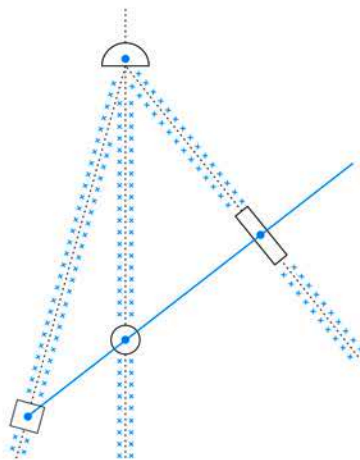
1.
Enclosure



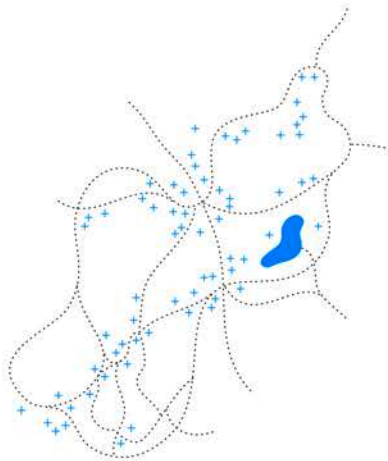
2.
Parterre



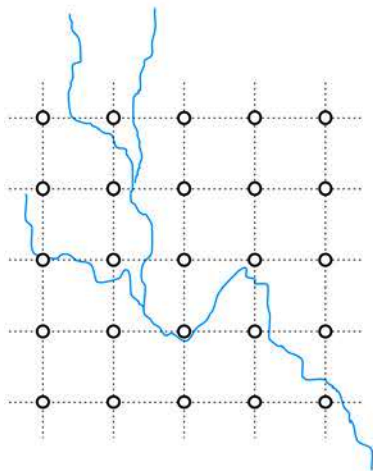
3.
Axis



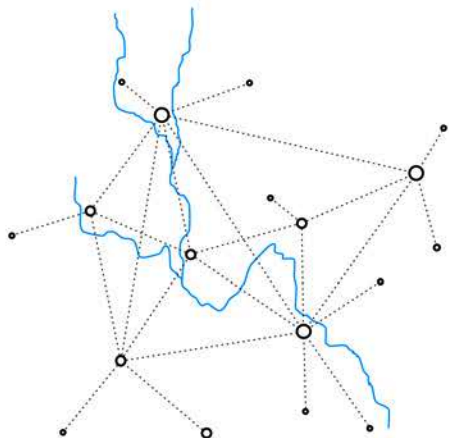
4.
Picture



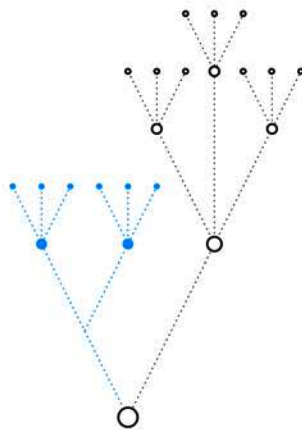
5.
Grid



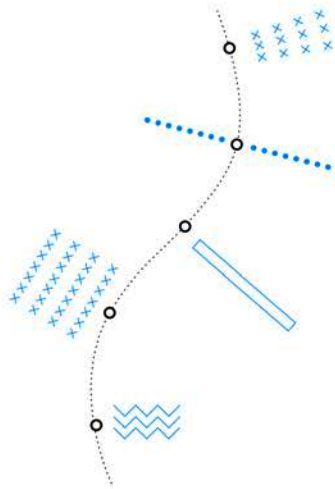
6.
Network



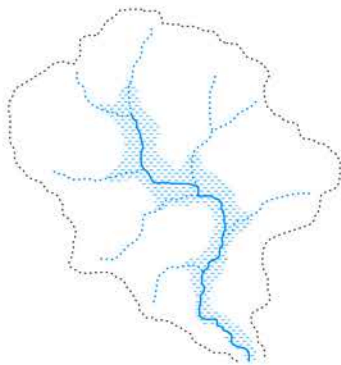
7.
Tree



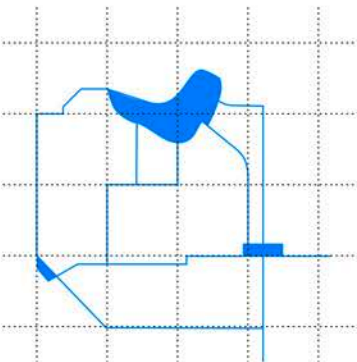
8.
Line



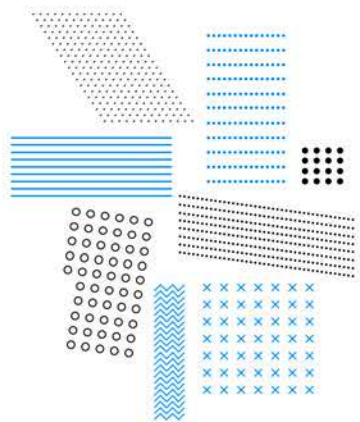
9.
Watershed



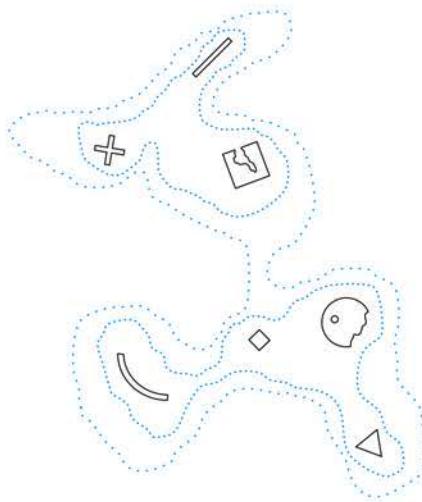
10.
Necklace



11.
Patchwork



12.
Archipelago

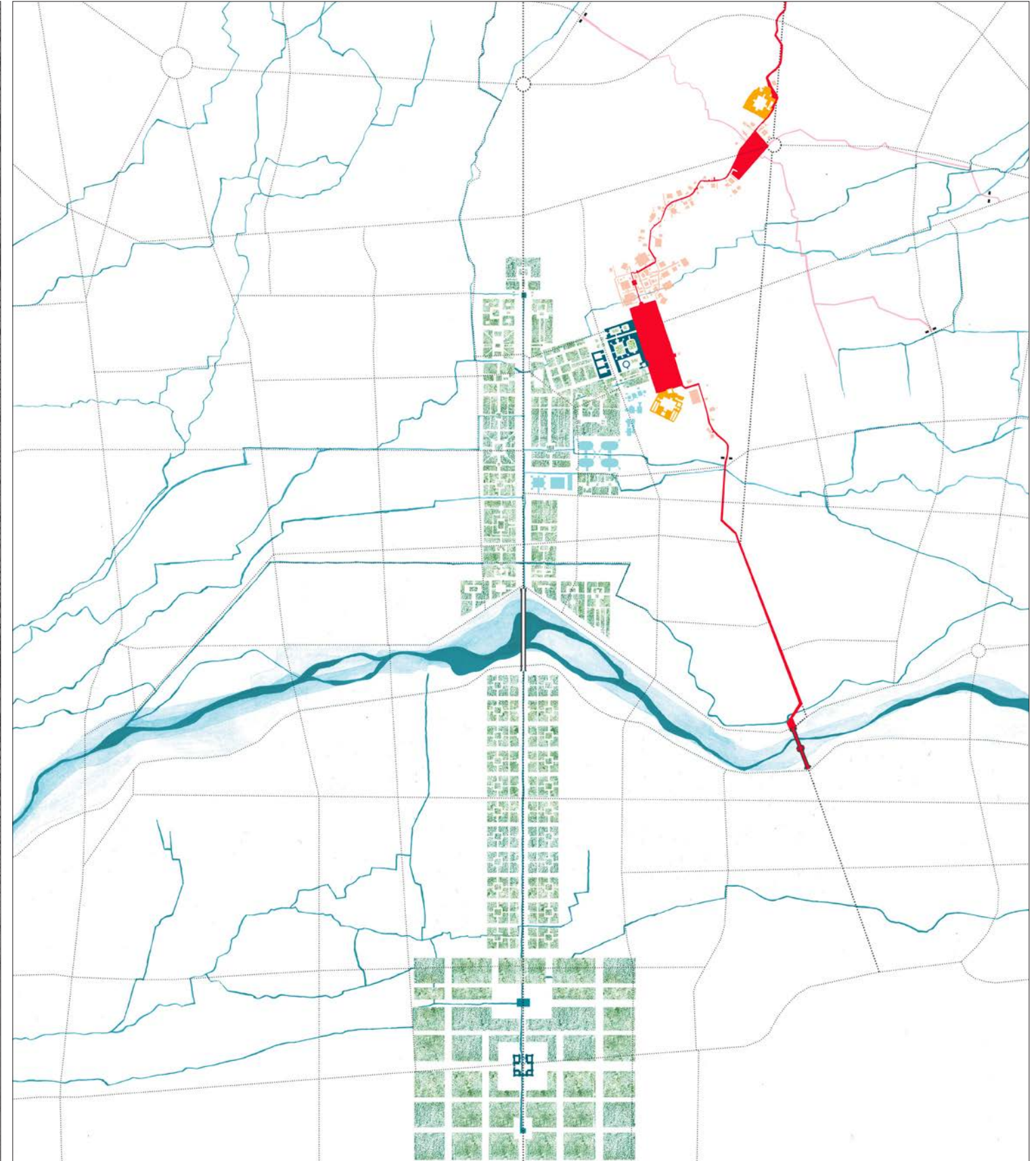


Mapping: Environmental Totalities

19/36

Nature > Technology > Production > Reproduction > Aesthetics

Gaël Zuber and Sara Steiner, *Bazaar of Isfahan*, UE U 2018



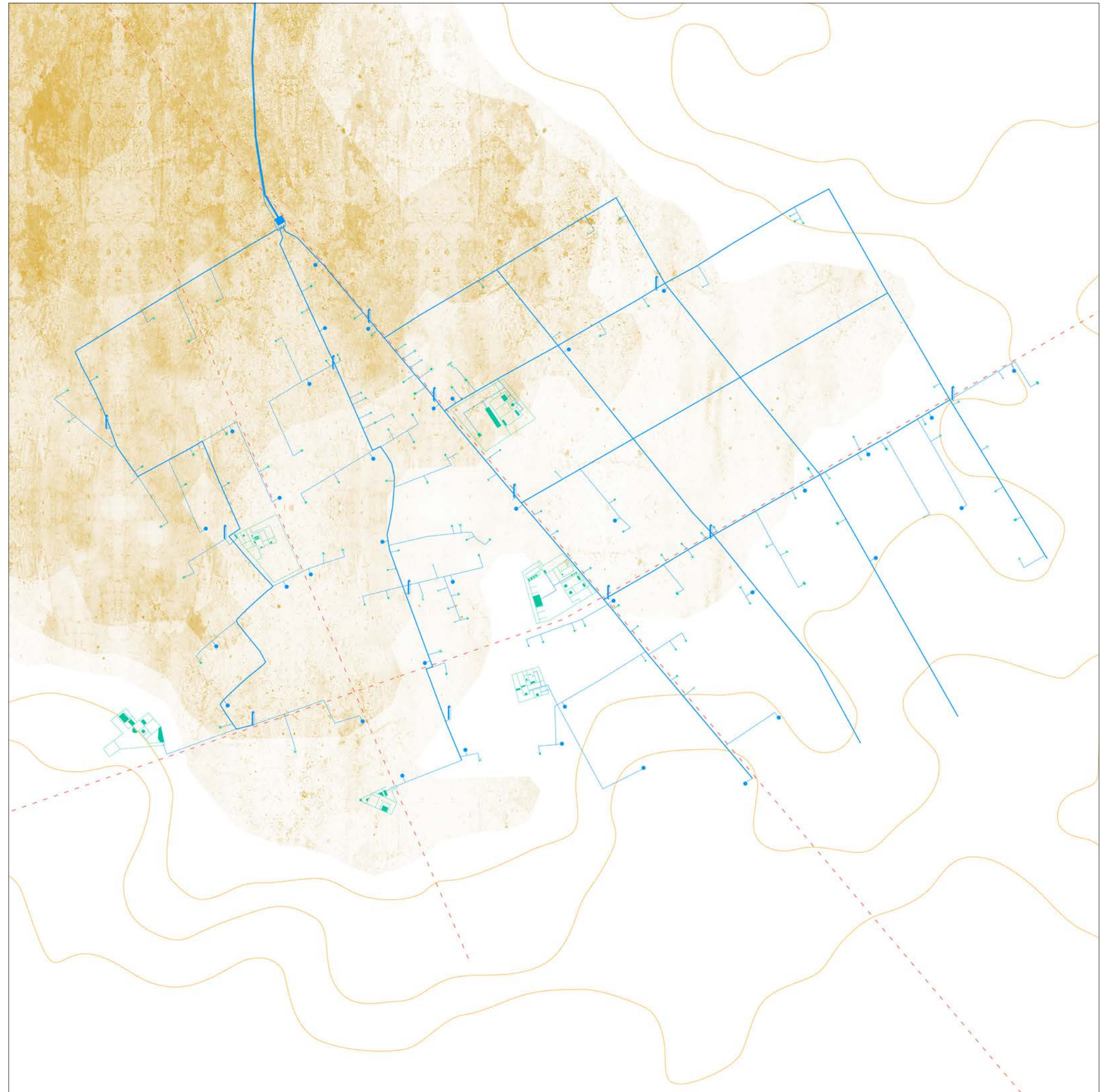
Research

Land Constellations

Stabian Baths

Unknown architect, Pompeii, 2nd century BCE.

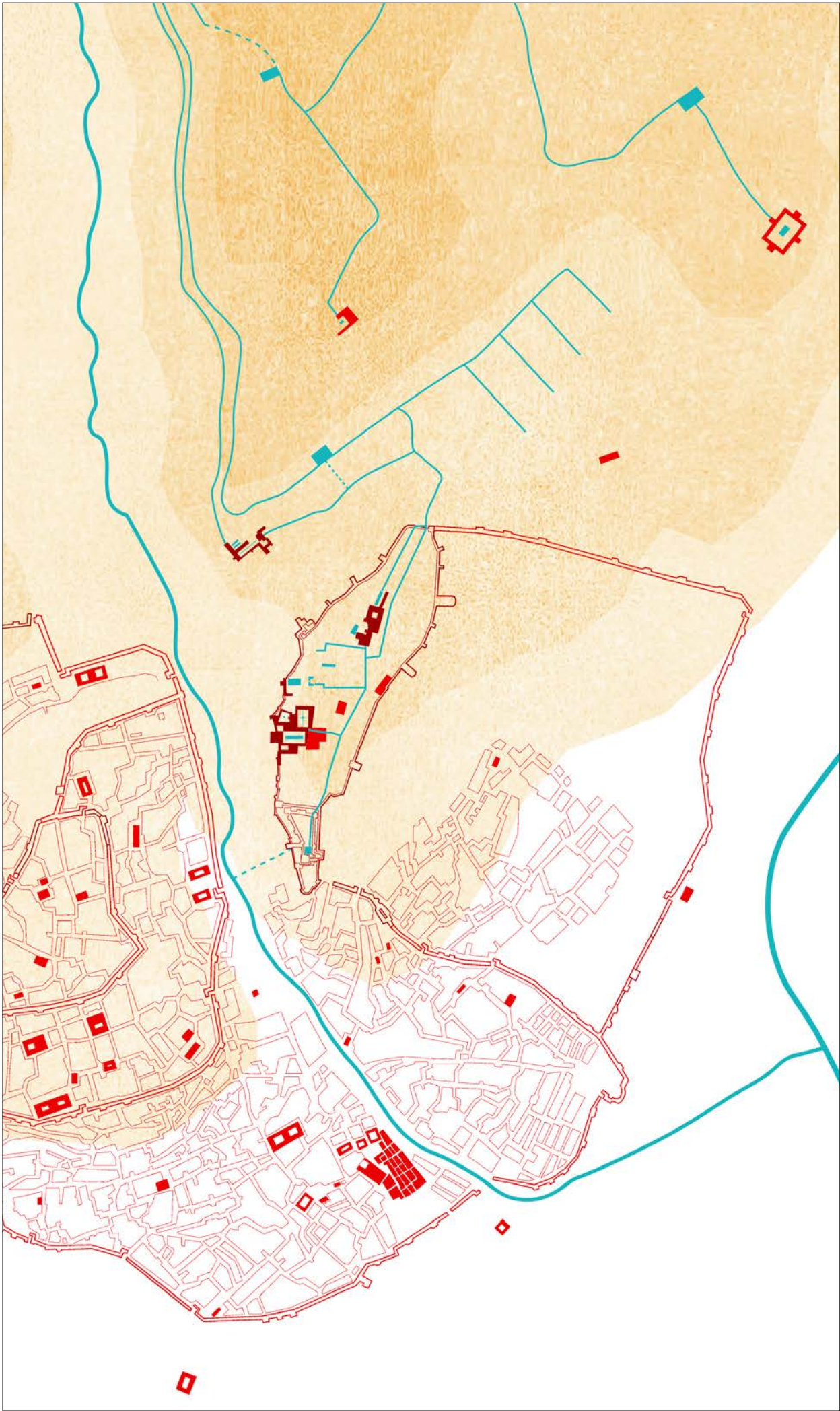
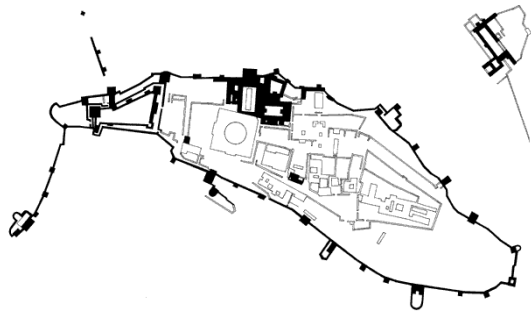
Camille Wetzels and Mylinh Dinh, UE U 2018.



Alhambra

Pedro Machuca, Granada, 1238–58.

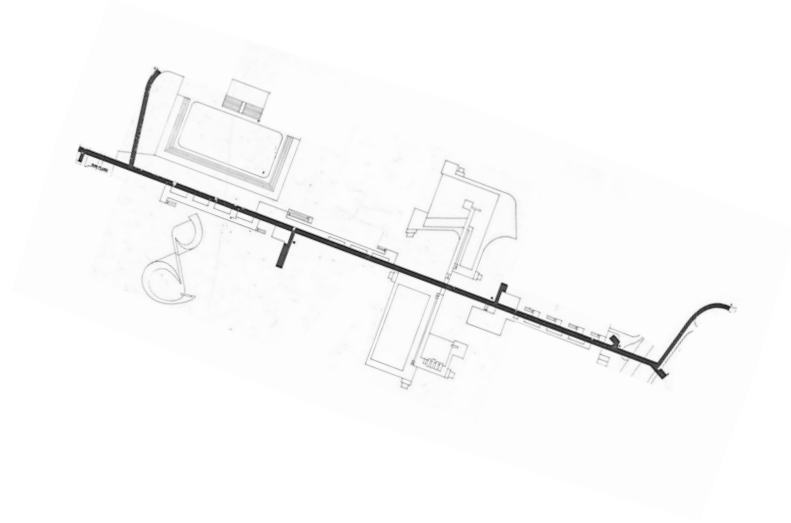
Valentine Compain and Clémentine Artru, UE 2018.



Bagno Pubblico

Aurelio Galfetti, Flora Ruchat & Ivo Trümpy, Belinzona, 1970.

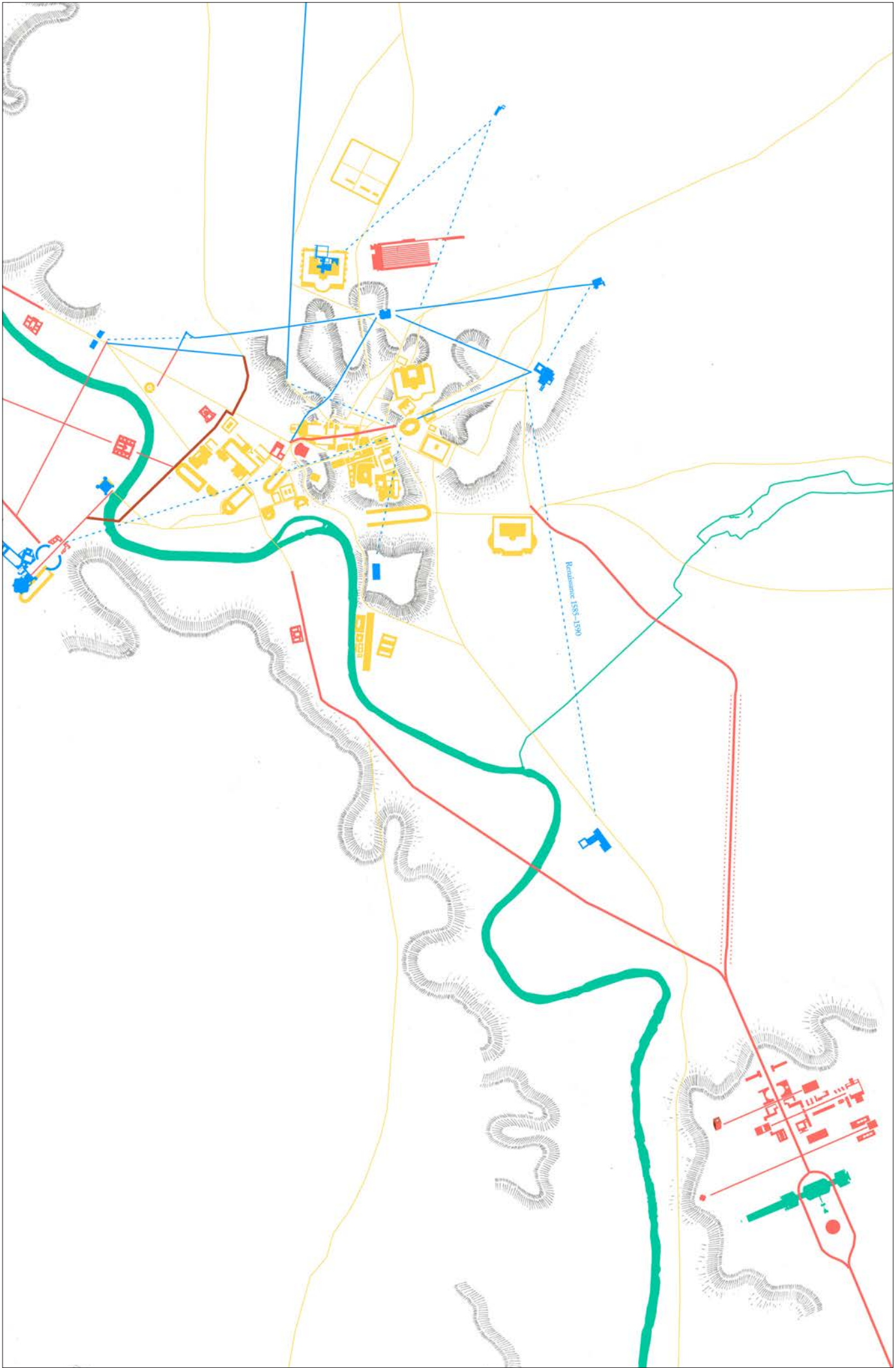
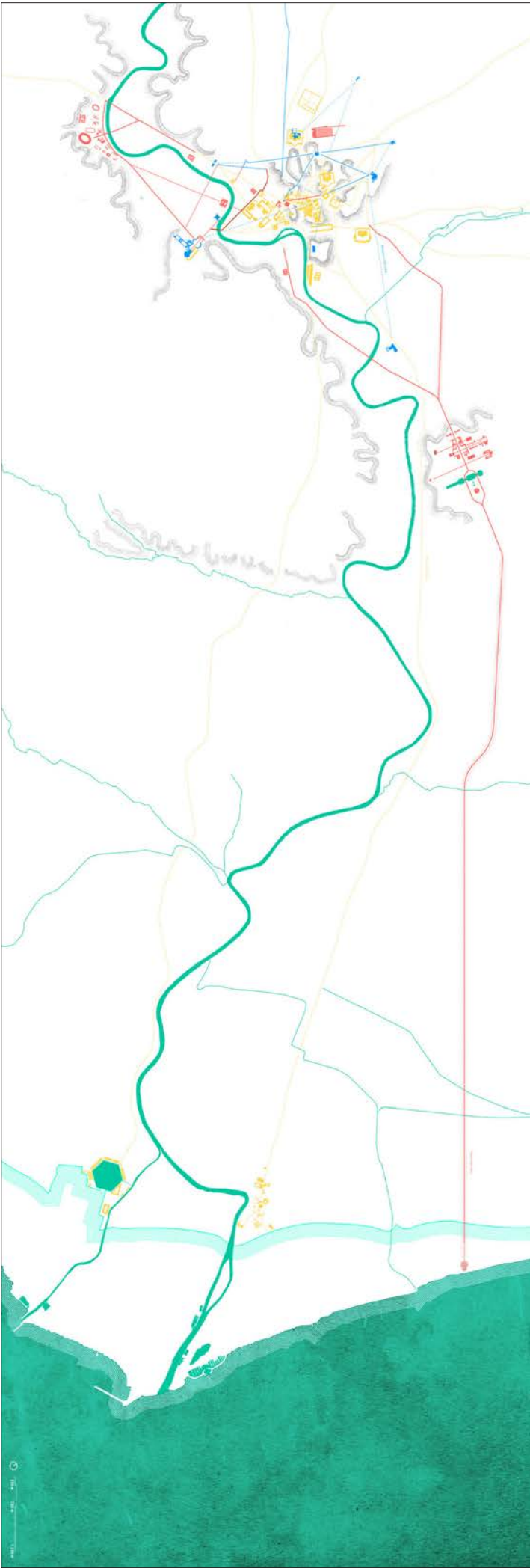
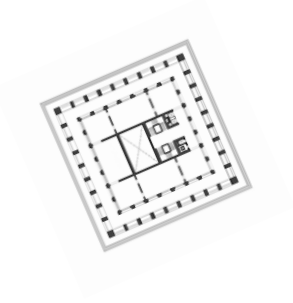
Valentine Compain and Clémentine Artru, UE 2018.



Colosseo Quadrato

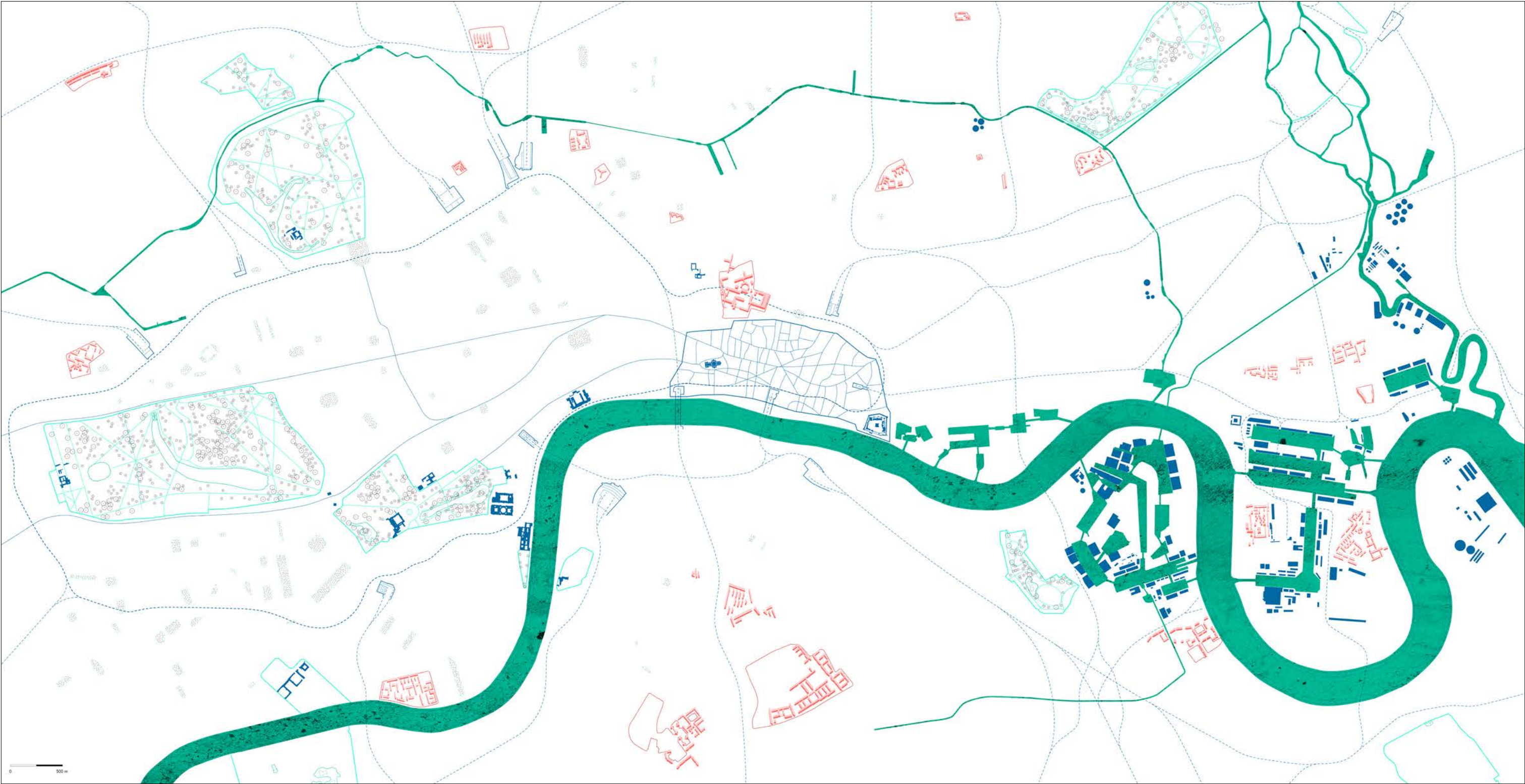
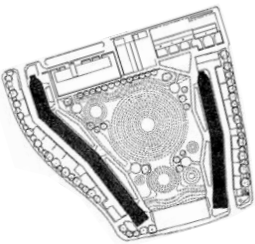
Giovanni G., Ernesto P., and Mario R., Roma, 1938.

Pierre Wütrthich and Bérénice Aubry, UE U 2018.



Robin Hood Gardens

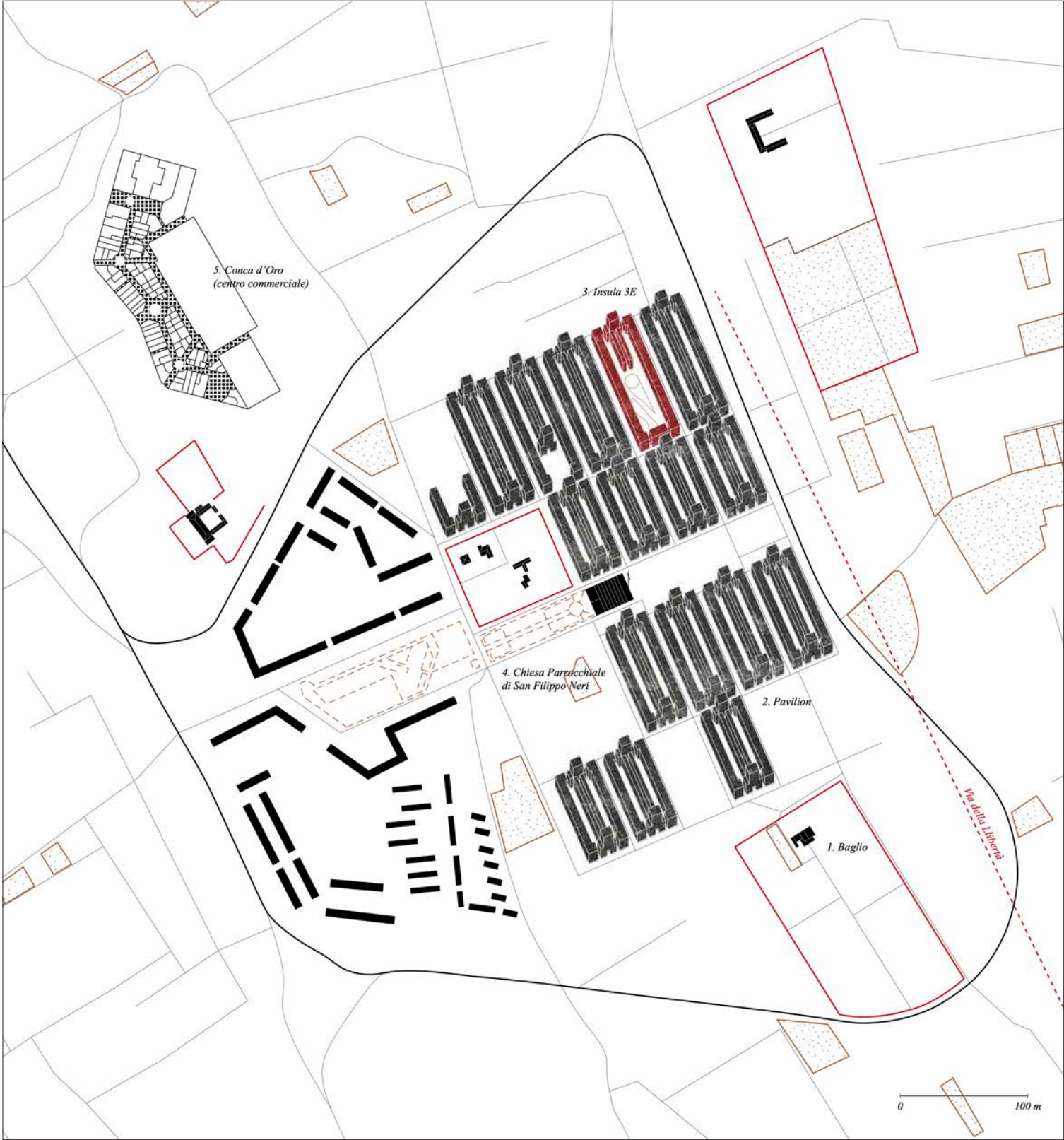
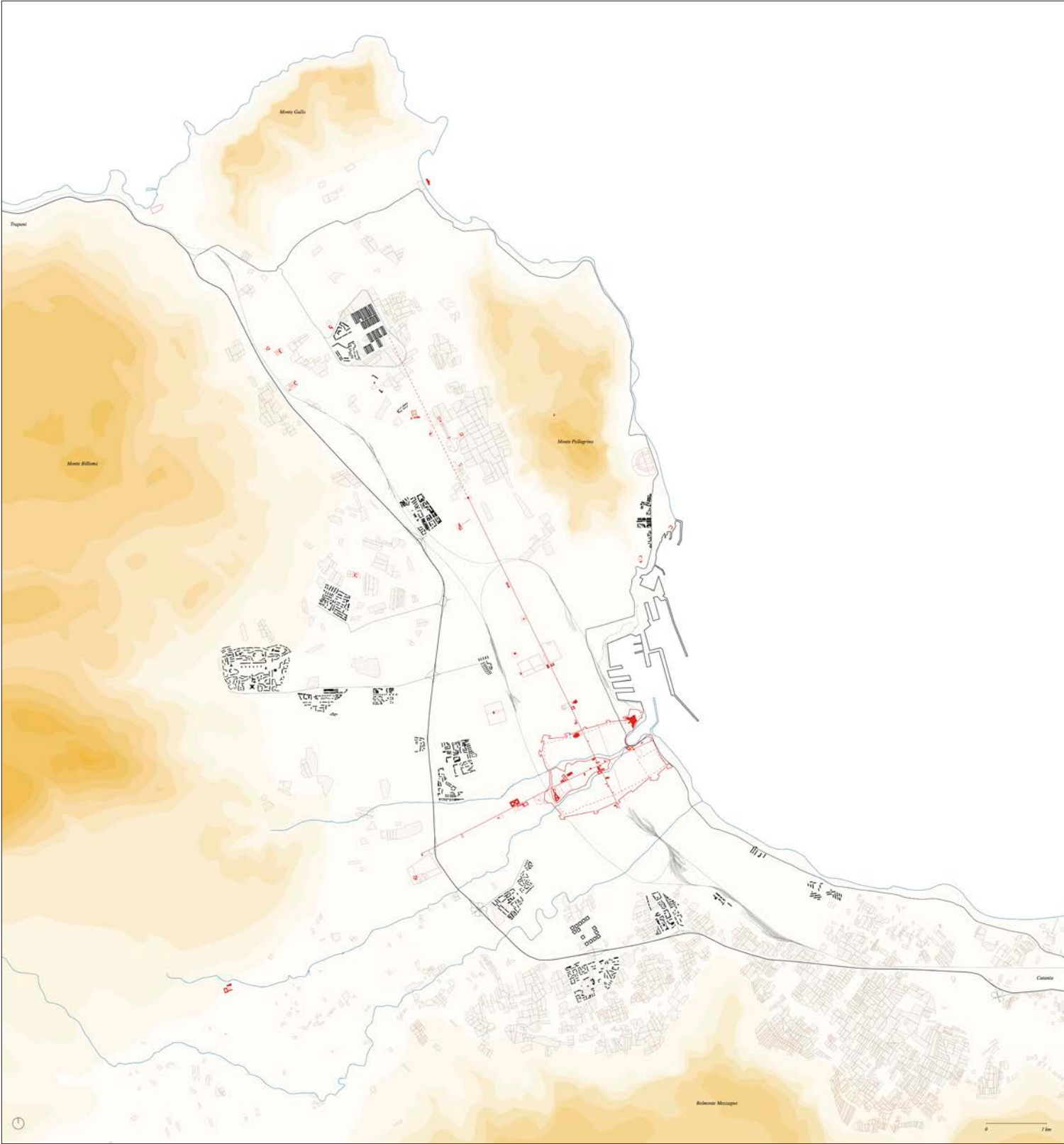
Alison & Peter Smithson, London, 1972.
Leonard Kaupp and Samuel Mathers, UE U 2019.



Quartiere Zen

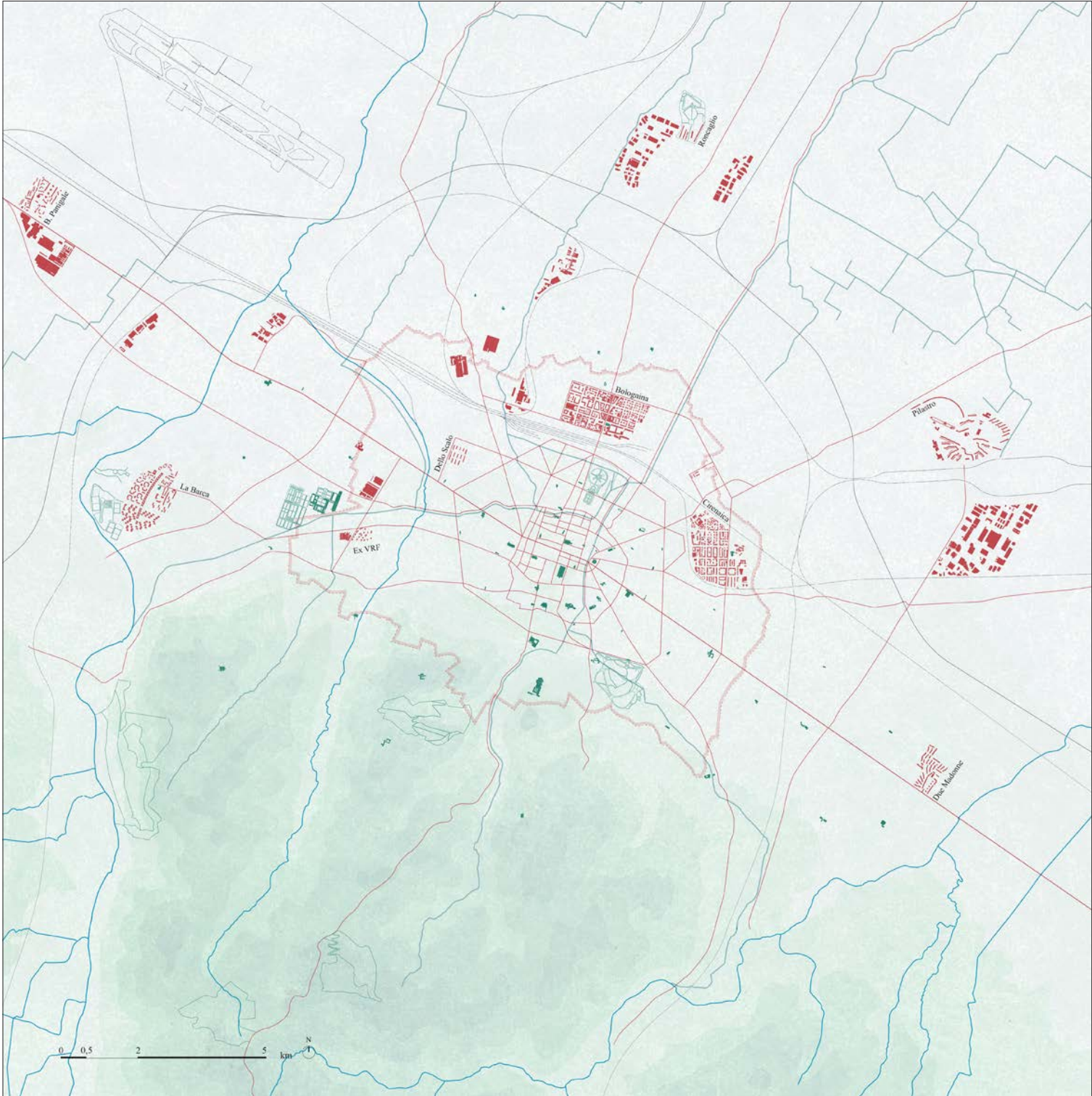
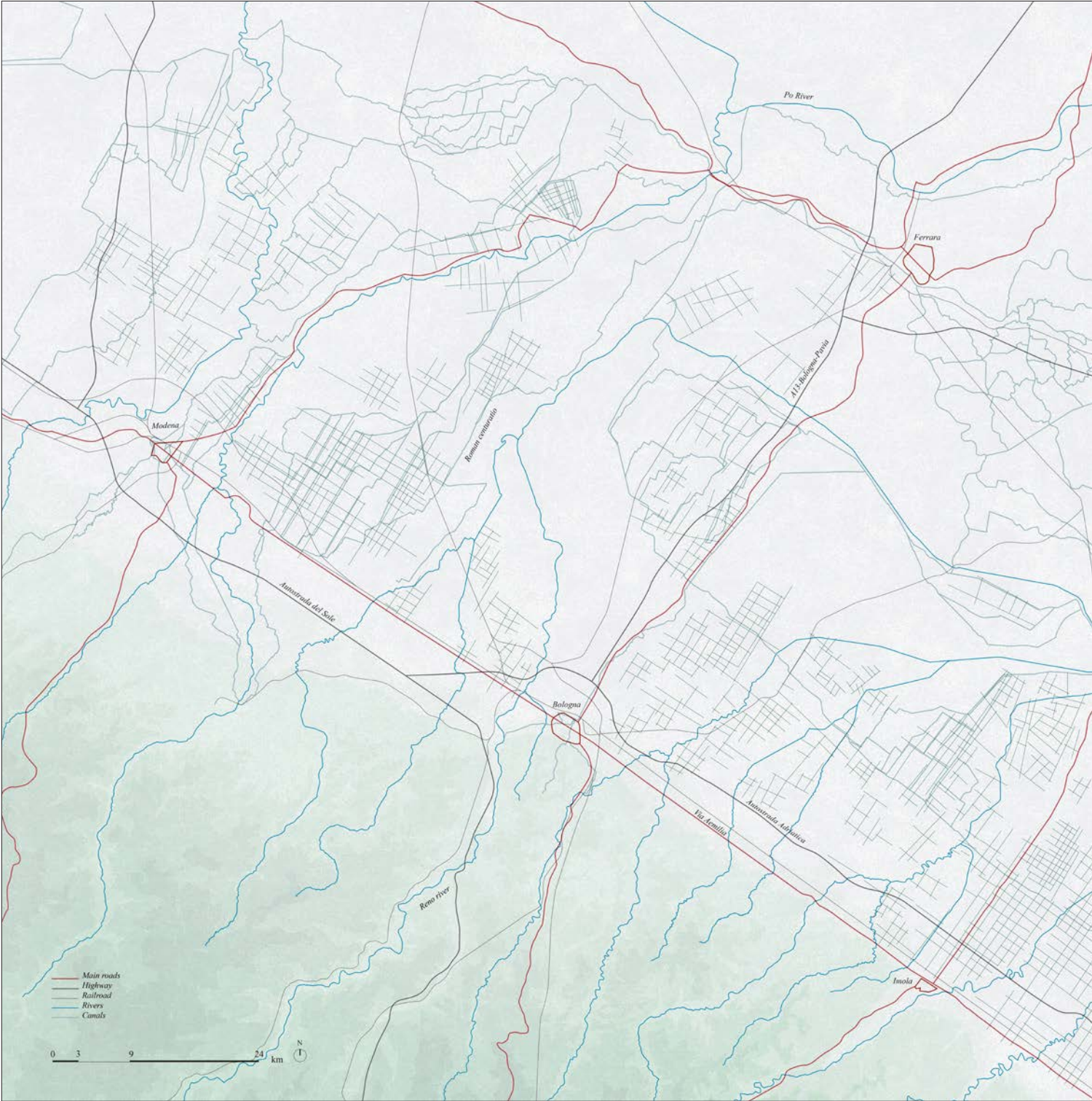
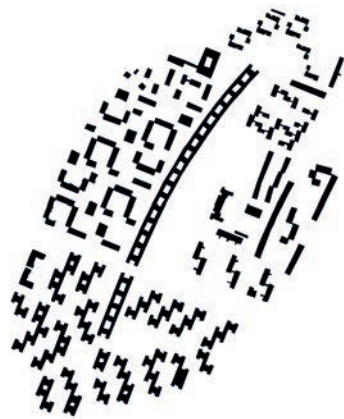
Vittorio Gregotti, Palermo, 1969.

Josep Coll, UE U 2022.



La Barca

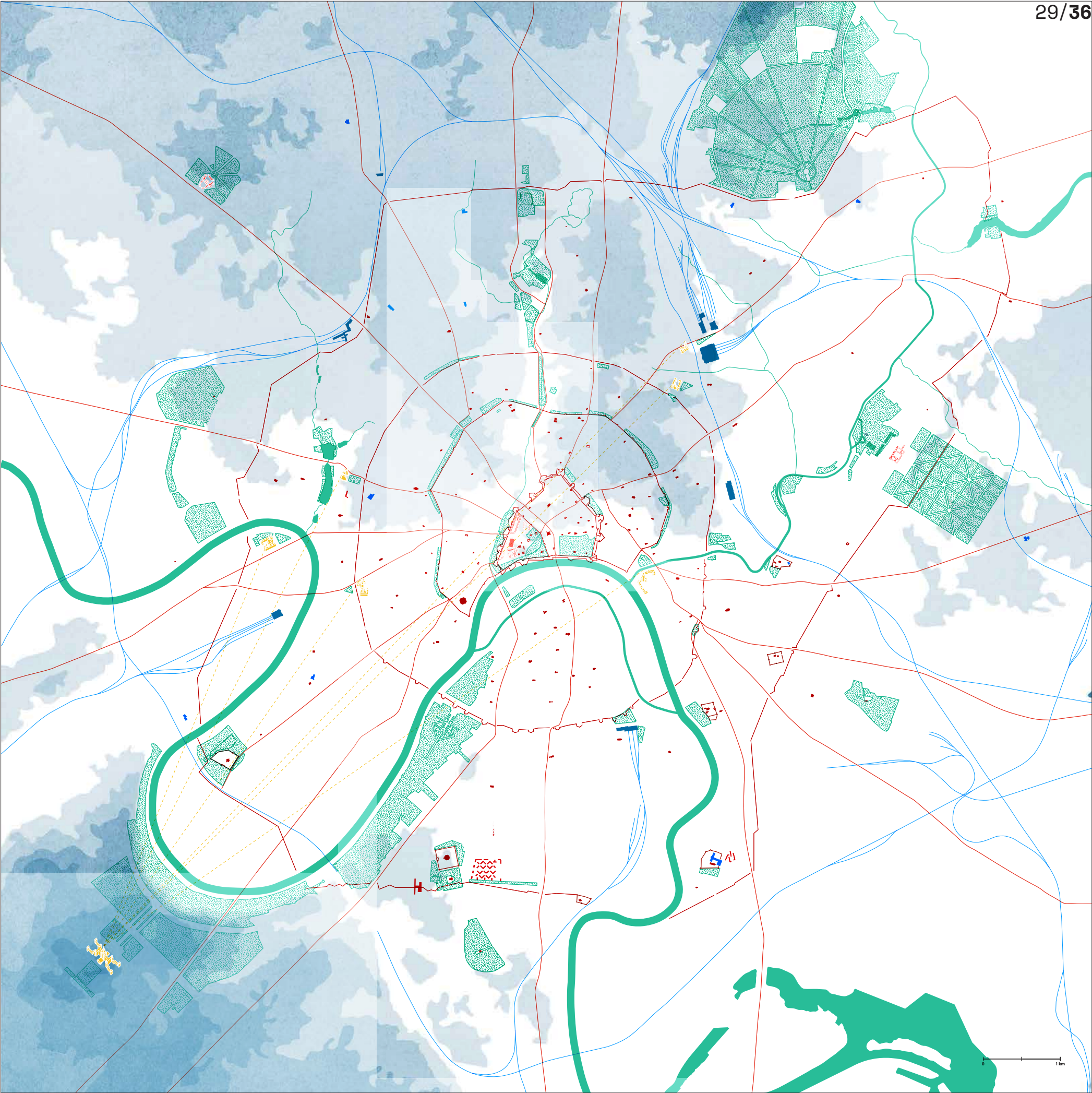
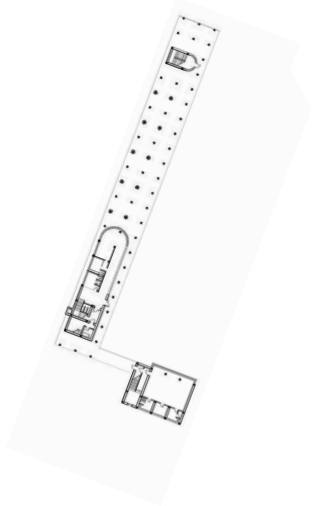
Giuseppe Vaccaro, Bologna, 1957.
Rita D’Elia and Silvia Narducci, UE U 2022.





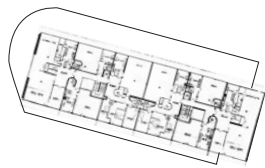
Narkomfin

Moisei Ginzburg & Ignaty Milinis, Moscow, 1928–30.
Zaida Vasconcelos and Sofia Di Nunzio, UE U 2024.

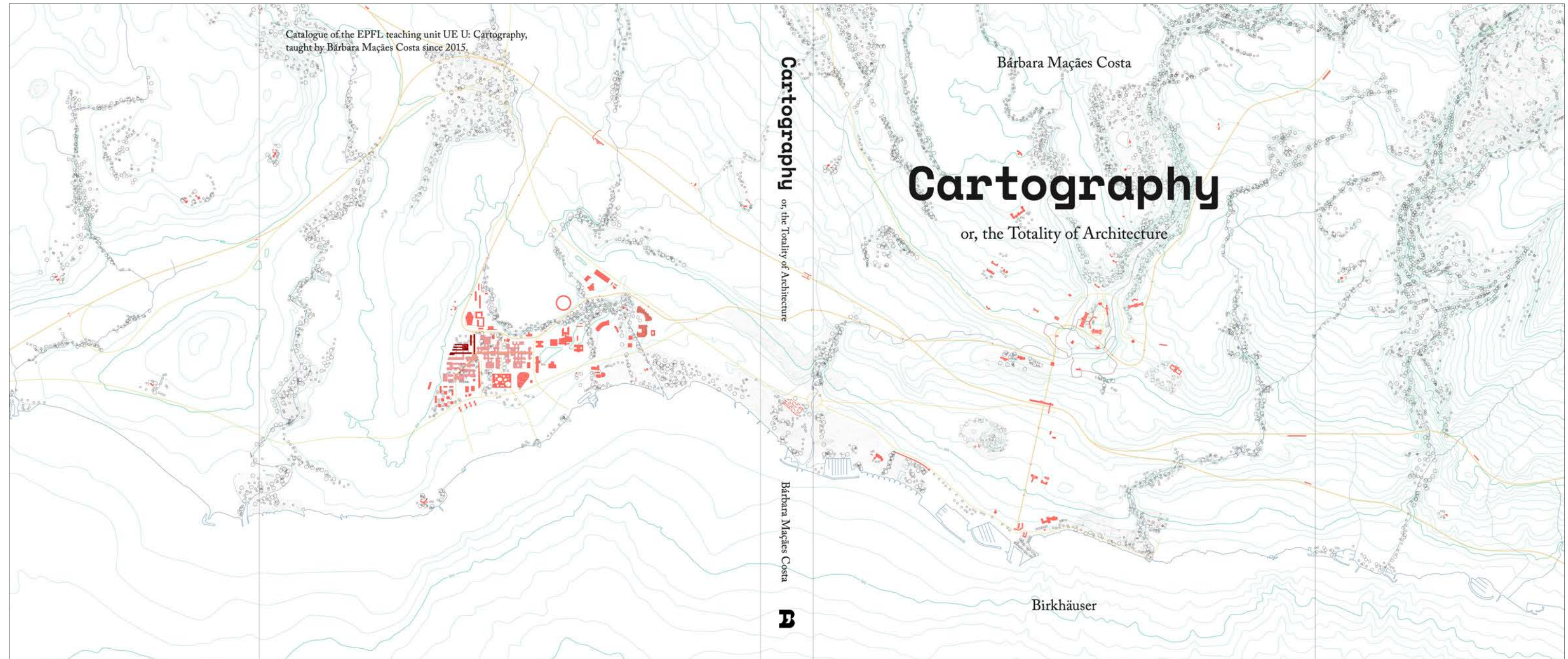


Maison Clarté

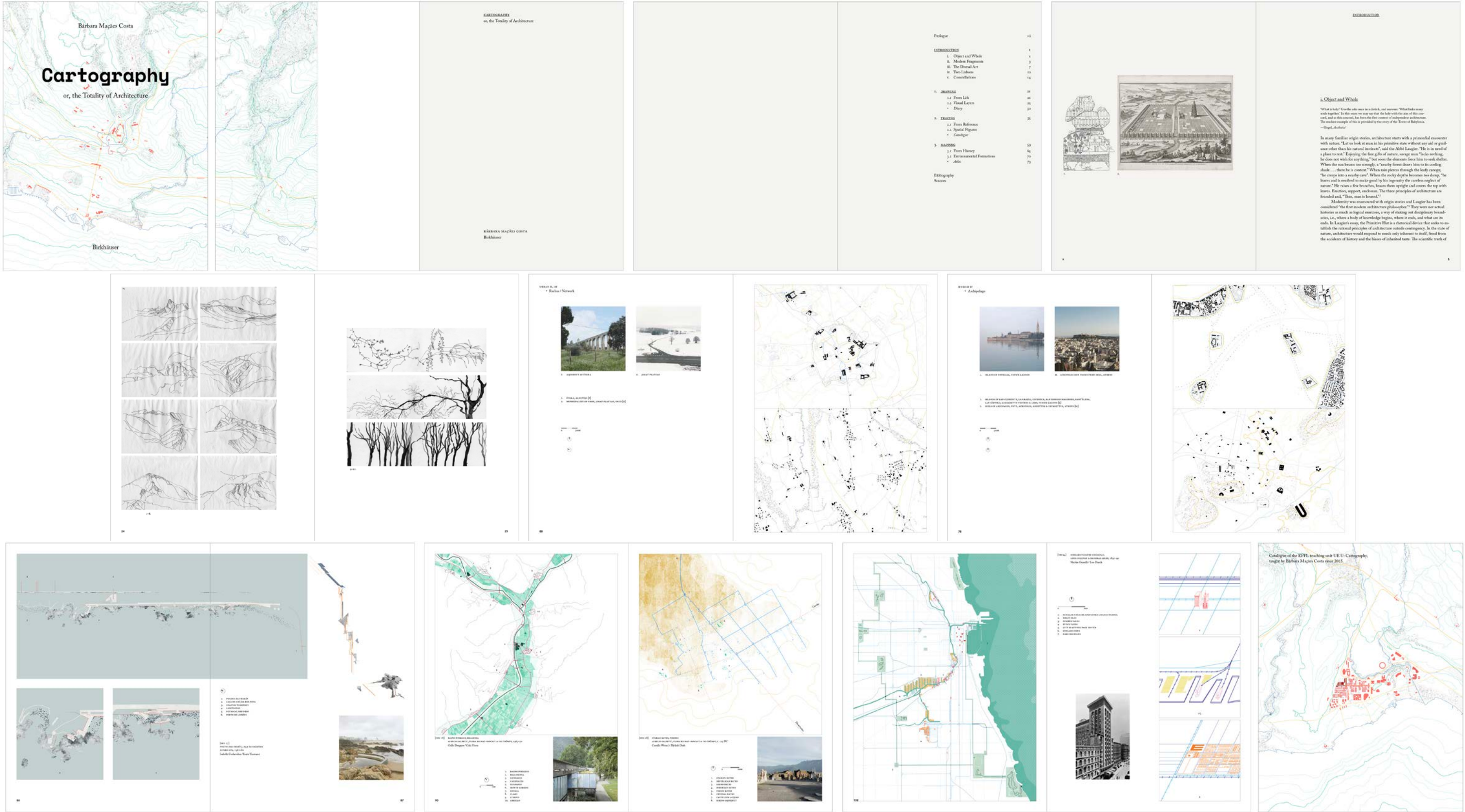
Le Corbusier, Geneva, 1932.
Ga In Sim, UE U 2024.



In press: book cataloguing 10 years of UE U: *Cartography, or, the Totality of Architecture*.



In press: book cataloguing 10 years of UE U: *Cartography, or, the Totality of Architecture*.



Theme FS 2026: Streets

33/36

How does the object internalize an idea of the urban-environmental whole?

How does the street help configure a certain urban constellation?



Hiera Odos, Athens



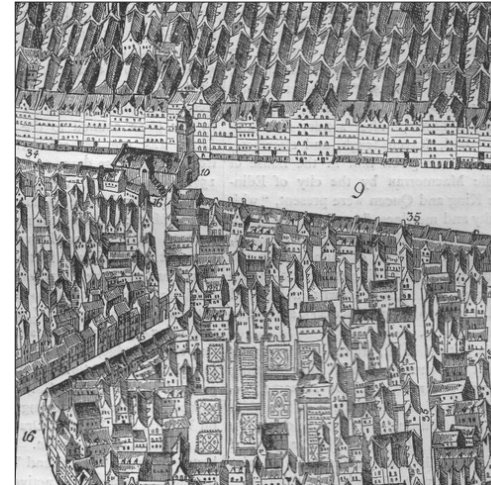
Via Dolorosa, Jerusalem



Divan Yolu, Istanbul



The Strand, London



The Royal Mile, Edinburgh



Central Axis, Beijing



Axe Historique, Paris



Corridoio Vasariano, Florence



Calle Mayor, Madrid



Herengracht, Amsterdam



Nevsky Prospekt, St. Petersburg



Passage des Panoramas, Paris



Via Dante, Milan



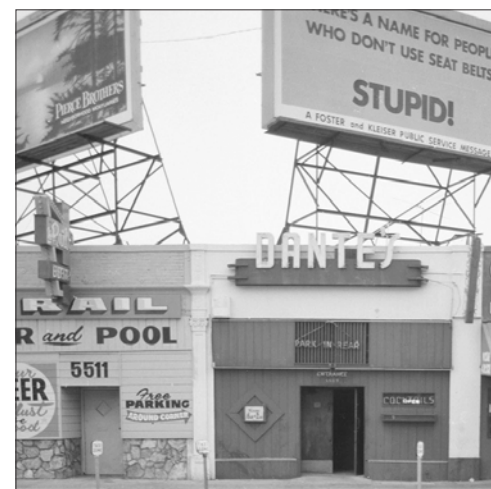
The Bund, Shanghai



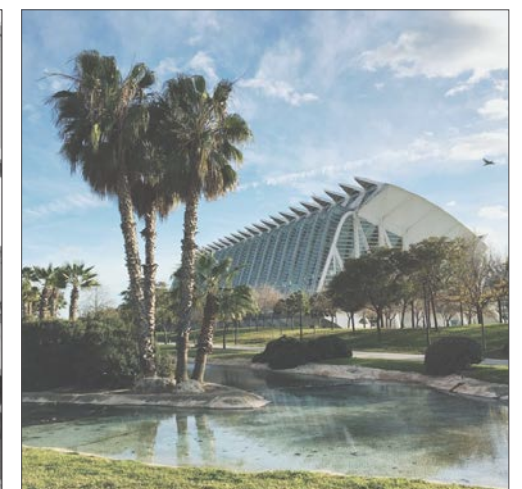
Avenida da Liberdade, Lisboa



Calçadão, Rio de Janeiro



Sunset Strip, Los Angeles



Turia, Valencia

Bárbara Mações Costa

26/27

MODERNITY

1

from
BOURGEOIS METROPOLIS
to
FORDIST CITY

EPFL

Mies van der Rohe, *Honeycomb*, 1921

Bárbara Mações Costa

27/28

MODERNITY

2

from
CITY-TERRITORY
to
TECHNOFEUDALISM

EPFL

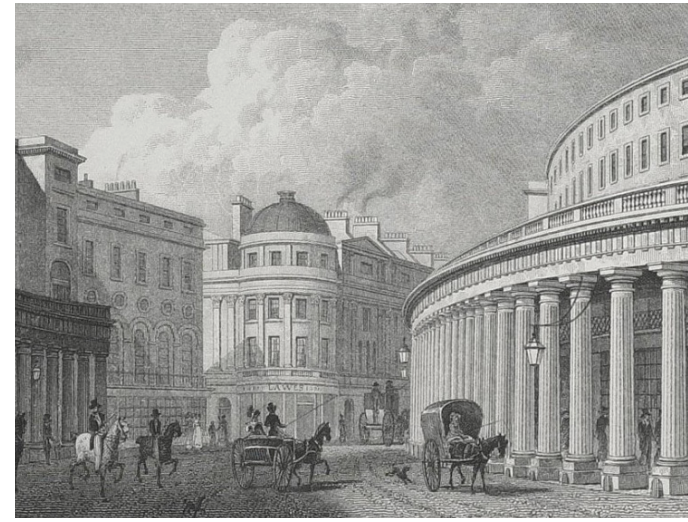
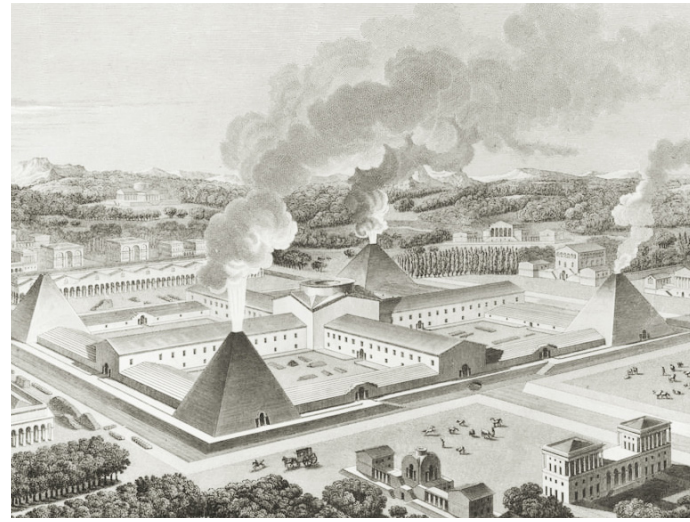
Carlo Aymonino, *Gallaratese*, 1967-74

AR-510 MODERNITY I

*from Bourgeois Metropolis
to Fordist City*

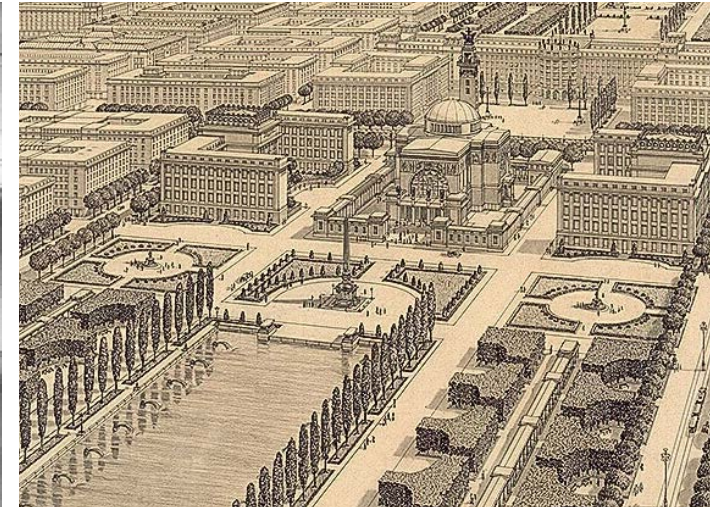
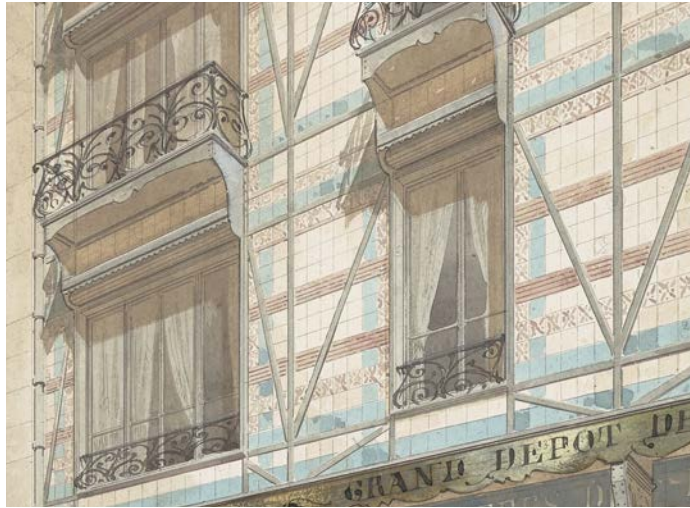
I. Bourgeois Monuments

1. Ledoux, or the Primitive Hut
2. Nash, or the Boulevard
3. Schinkel, or the Pavilion



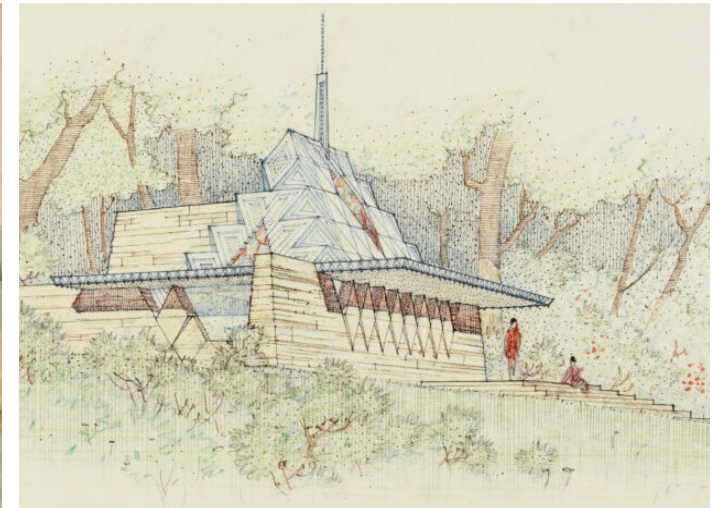
II. Industrial Arcades

4. Viollet-Le-Duc, or the Skeleton
5. Semper, or the Cladding
6. Wagner, or the Tectonic



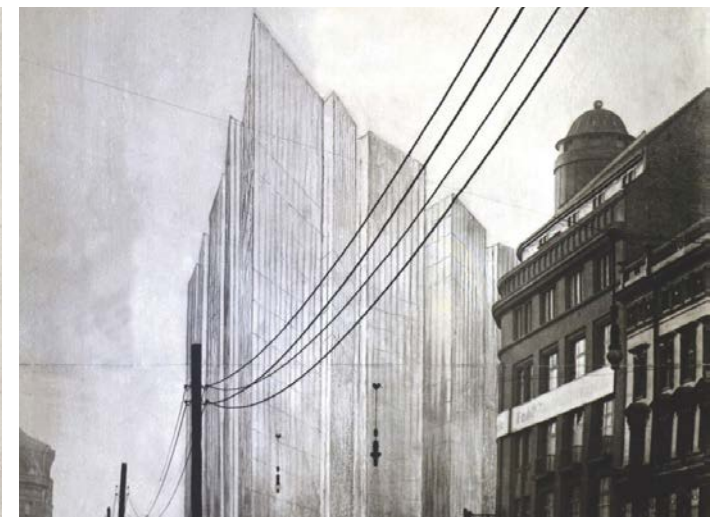
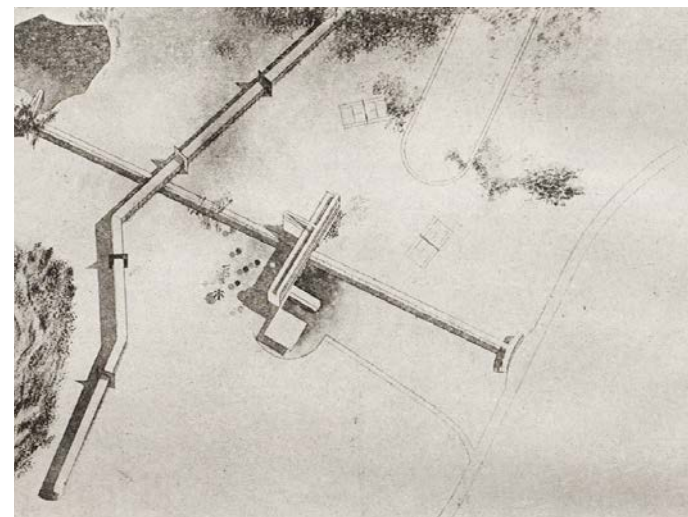
III. Romantic Gardens

7. Morris, or the Artisan Cottage
8. Geddes, or the Valley Section
9. Wright, or the Prairie Bungalow



IV. Urban Assembly Lines

10. Taut, or the City Crown
11. Gizburg, or the Social Condenser
12. Mies, or the Skyscraper



- Website: <https://ueucartography.com>
- Moodle: <https://go.epfl.ch/AR-476>
- <https://modernityae.com>
- <https://go.epfl.ch/AR-510>

2022 — UE U

ueucartography.com/modern

UE U :
carto
graphy

→ Info

Student Work

→ 2023

→ 2022

→ 2021

→ 2020

→ 2019

→ 2018

→ 2017

→ 2016

→ 2015

→ Exhibition

→ Workshop

→ Fieldwork

References

→ Premodern

→ Modern

→ Contemporary

Modern

Western cartography from the Renaissance until World War II.

● City panoramas:



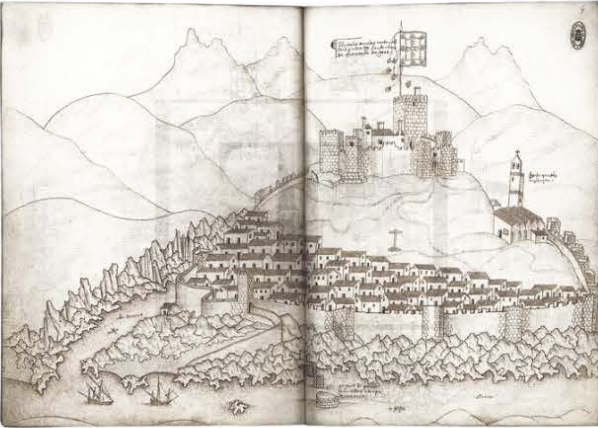
1.



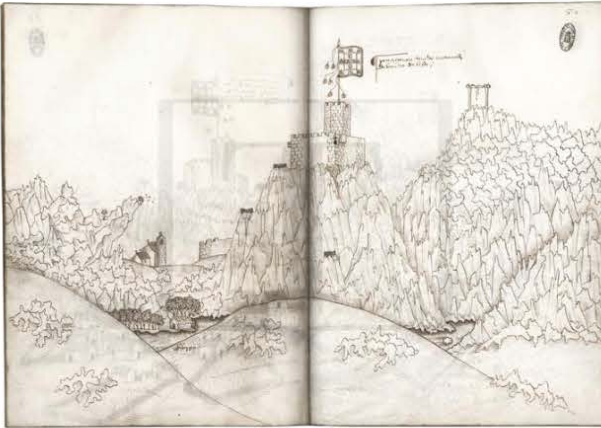
2.



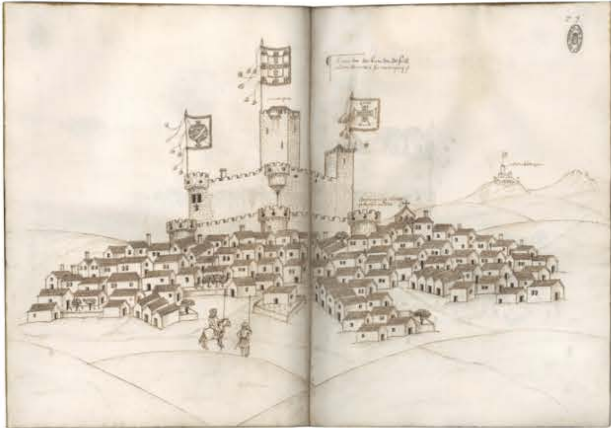
3.



4.a



4.b



4.c

1. Francesco Rosselli, *View of Florence from the South West*, ca. 1495 (Victoria and Albert Museum).

2. Unknown artist, *View of Rome*, ca. 1538 (Palazzo Ducale di Mantova).

3. Master of Rhenen, *Flood of Holland in a dream of St. Elizabeth*, ca. 1480 (Rijksmuseum Amsterdam).