

AMORGOS FLUX

Water, Tourism, Climate Change



Studio SoSe2023

Brief

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12.04.2023

Habitat Unit

„Greek Islands are largely unknown, even if they are very often mentioned and discussed, either as “unique” or “ideal destinations” or negatively for health, remoteness and ageing issues.“

Atlas of the Islands



Περιοχές της Ελλάδας με νησιά και αμιγώς νησιωτικές Περιφέρειες της 1.1



Historic characteristic of the Archipelago

Aegean Sea, Greek Aigaíon Pélagos, Turkish Ege Deniz, an arm of the Mediterranean Sea, located between the Greek peninsula on the west and Asia Minor on the east. About 380 miles (612 km) long and 186 miles (299 km) wide, it has a total area of some 83,000 square miles (215,000 square km).

The Aegean is connected through the straits of the Dardanelles, the Sea of Marmara, and the Bosphorus to the Black Sea, while the island of Crete can be taken as marking its boundary on the south.

Encyclopedia Britannica

Ancient Aegean culture birthed two of the greatest early civilizations - Crete and Greece.

Trade flows between the Asia Minor, Continental Europ and Northern Africa were distinctive for the rise of the region and left ample historical evidences.

The Aegean Sea is not only culturally significant but also a site of great scientific interest due to its unique characteristics. Underwater discoveries, such as ancient shipwrecks and cities, provide valuable insights into ancient civilizations and their maritime activities.

Cycladic figurines
(c) Museum of Cycladic Art, Athens



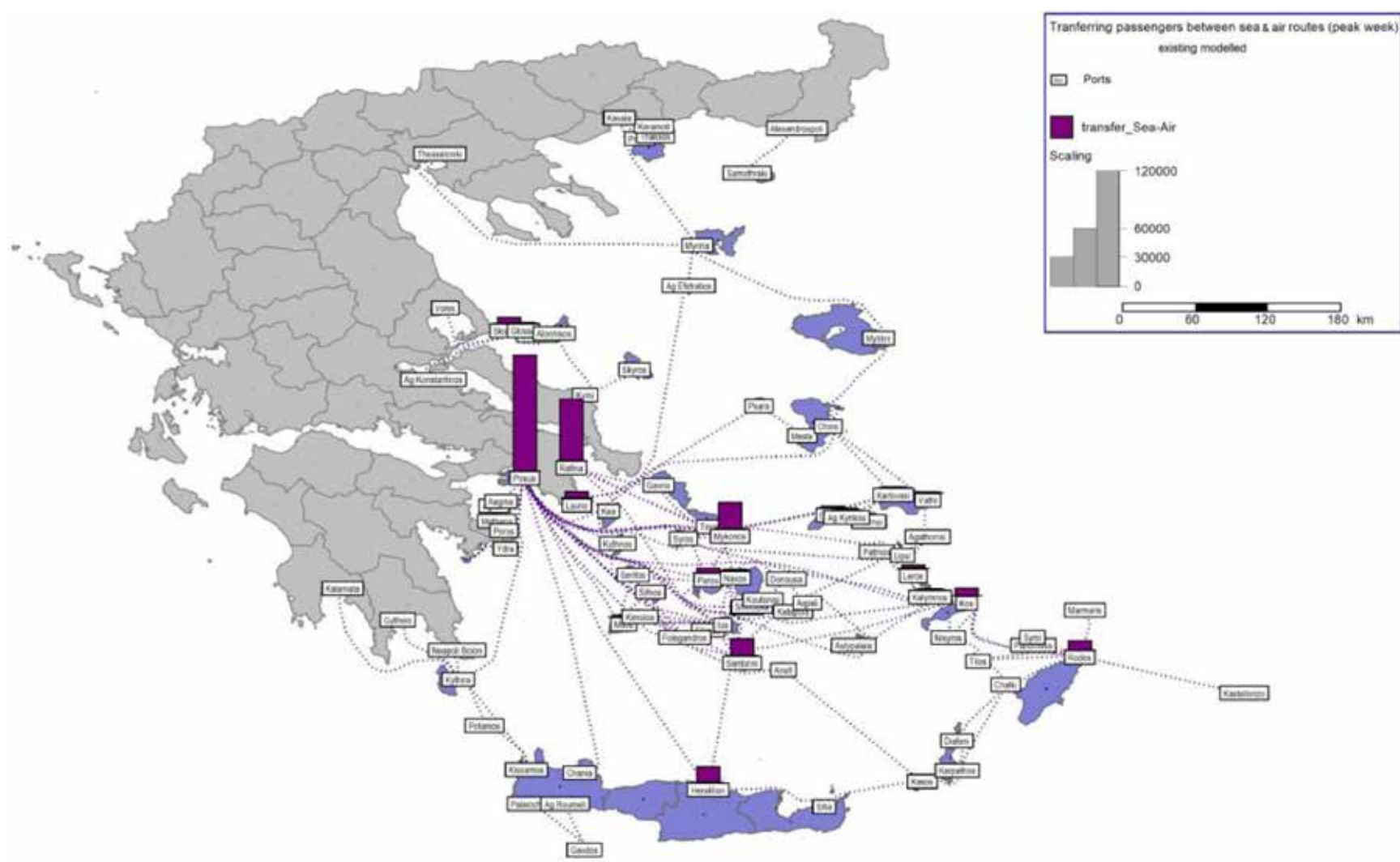


The architecture of the Islands - especially in the Cycladics - is formed by the region's unique topography and the persistent need for protection from enemies as well as the strong winds.

The villages are built in clusters, with narrow streets and alleys, creating a labyrinthine feel.

The houses are often built next to each other, forming a fortress-like wall, and decorated with local stones and natural materials.

Sifnos - Kastron
(c) Authors



Despite their „rural“ and „scenic“ beauty, most of the islands have to be considered as facet of the planetary „urbanization“. This is mediated by intricate transnational network of in- and outflows.

Many of the arid islands have evolved into urbanized tourist destinations influenced by global and national economic and political developments that transformed these regions in unprecedented ways, reshaping the underlying social, economic, and infrastructural dynamics of the entire archipelago. As a result, the islands are held together by intricate systems of flows and infrastructures, a unique density and diversity of currents, identities, and connections.

(c) Fani Hatzioannidu



Transformation

Cruise tourism, geopolitical tensions between Greece and Turkey, global migration routes, European energy expansion goals, invasive species, and global climate change are some of the transformative forces shaping the region with significant ecological and social consequences.



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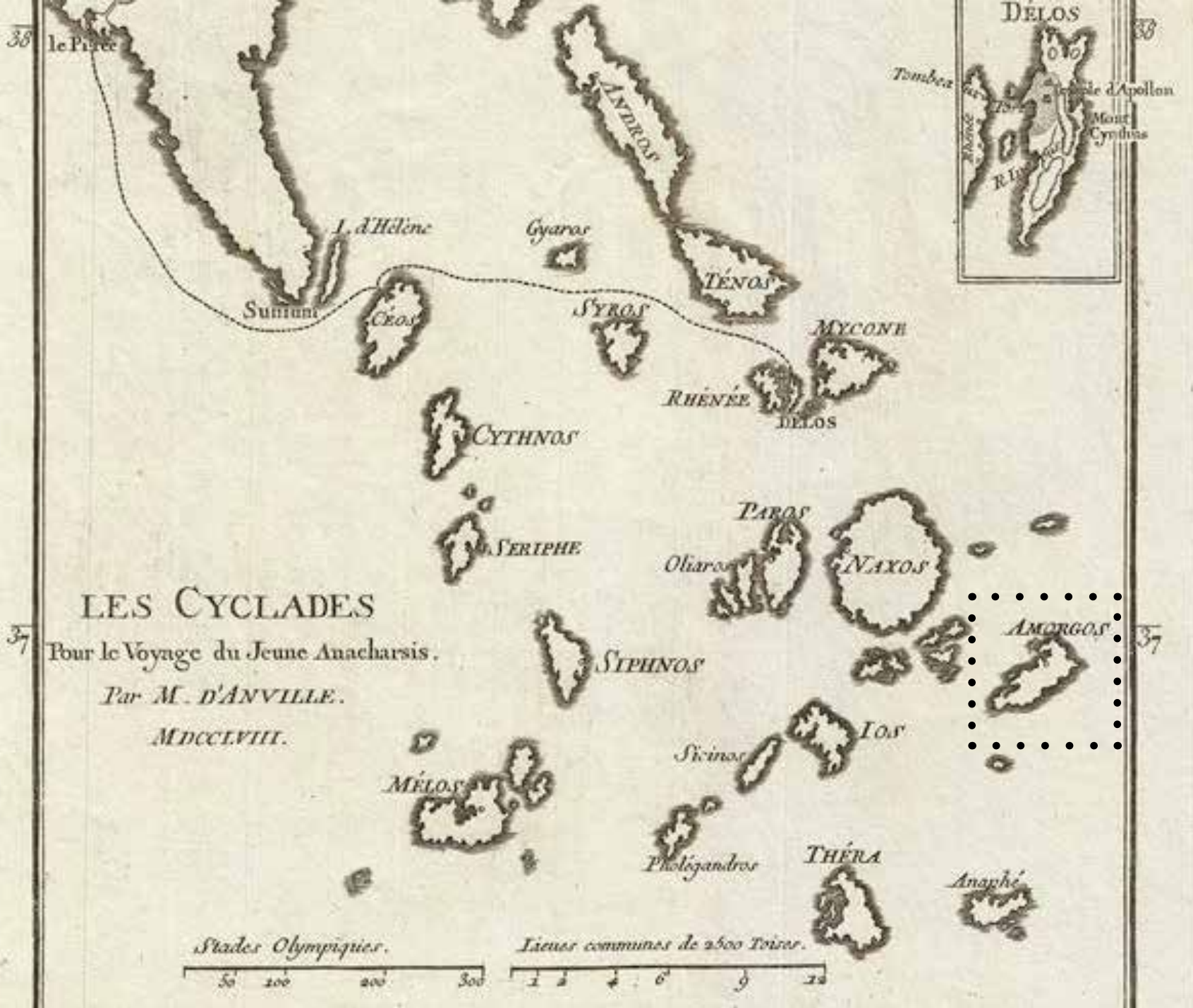
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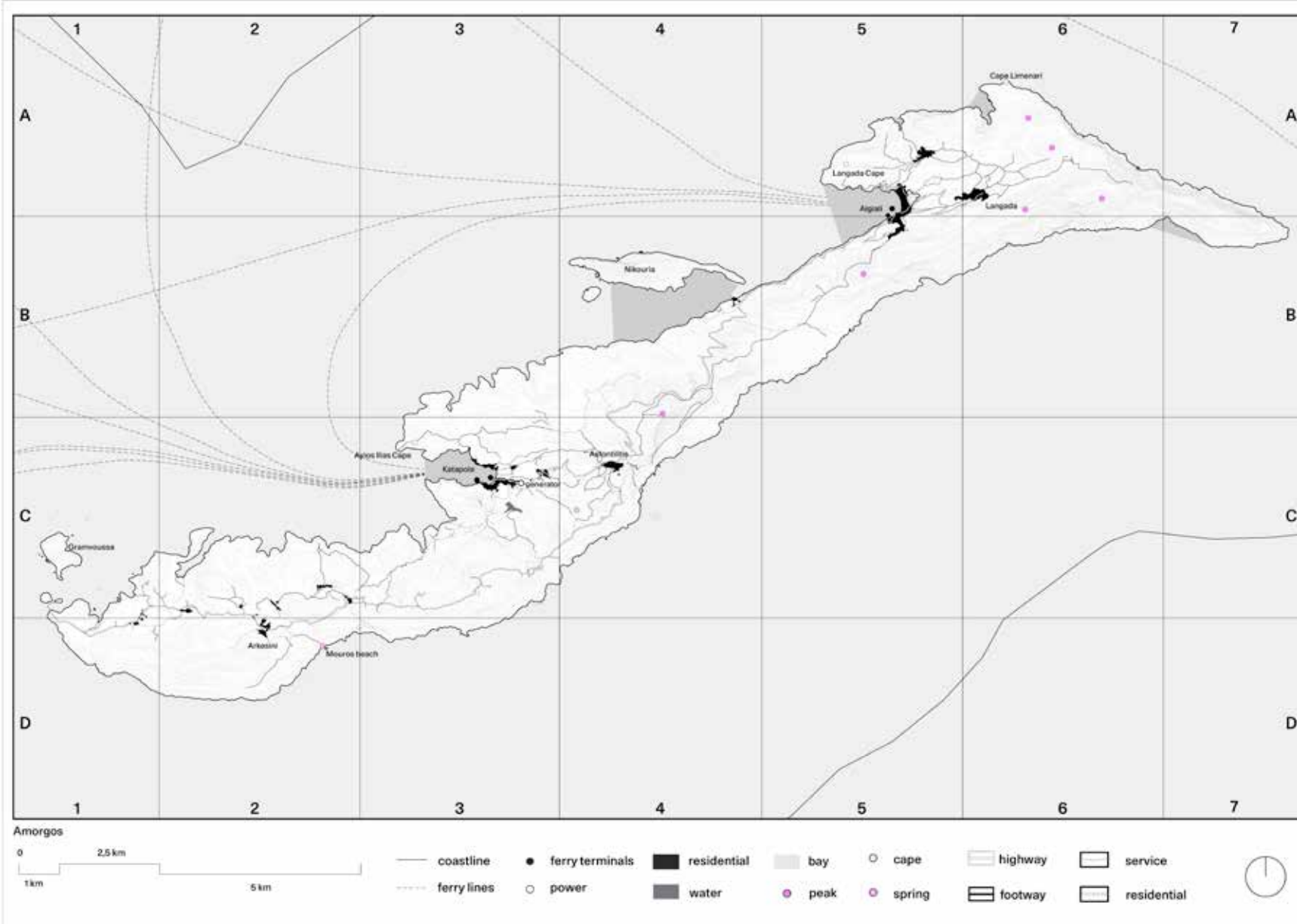




The studio will focus on the island of Amorgos on the eastern rim of the Cyclades.

We will investigate its constitutive systems and flows of goods, materials, people, water, energy.

Students will gain a deep understanding of the region's history, ecology, culture, and economy, as well as the social and environmental factors that shape the islands today.





Amorgos

View into the Bay of Aegiali





Amorgos

Agia Anna

Phase 1
Analysis
4 Weeks

- studying in- and outflows
- studying infrastructural sys.
- focused on one specific flow
- preparing fieldtrip
- Groupwork

Phase 2
Fieldtrip
10 days

- expert tours
- coll. mapping of hist. watersyst.
- self-guided fieldwork

Phase 3
Scenario / Design
4 weeks

- development and design of transformation scenarios through different scales

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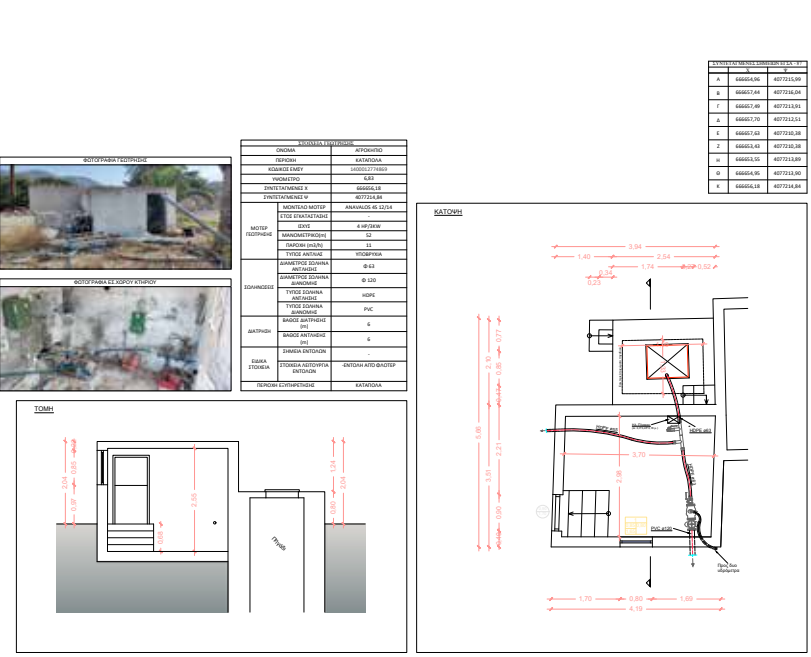
Phase 3
Scenario / Design
4 weeks

Analysis

In a first stage groups will study the inflow and outflow and their underlying systems to prepare for a 10 day field-trip.

After these extensive analysis processes, in a third phase, groups will develop speculative scenarios that will project current developments into future touristic and urban transformations.





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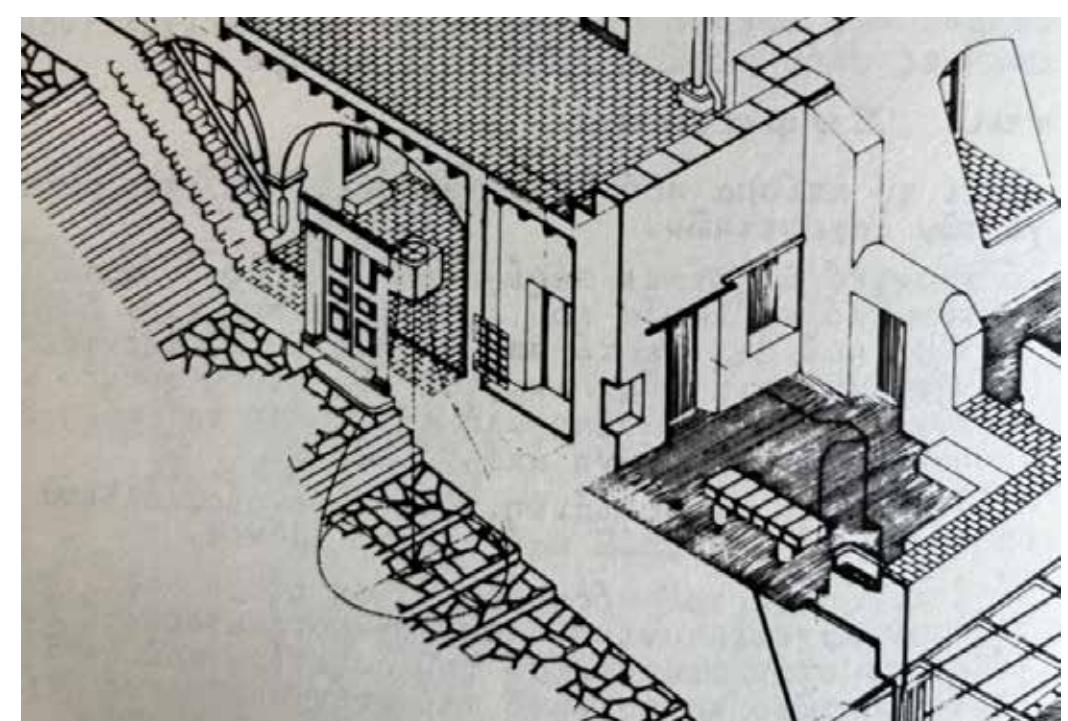
PIV

**Fachgebiet Bau- und
Stadtbaugeschichte**
**Prof. Dr.-Ing. Hermann
Schlimme**
**M.A. Melanie Kim-Lan
Nguyen**

**Date: Friday 19.05 + Friday
26.05**

Abstract:
 The PIV will give insights
 into various methods of site
 survey and (photo)graphical
 recording in preparation for
 the field trip on the island to
 map the ancient water-
 systems and transport
 systems that are currently
 unused.

The sessions will include
 theoretical and practical
 guidance.



Phase 1
Analysis
4 Weeks

Phase 2
Fieldtrip
10 days

Phase 3
Scenario / Design
4 weeks

- expert tours
- coll. mapping of hist. watersyst.
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31.5.-9.6.

Amorgos

On site in Amorgos, the groups investigate specific infrastructure systems and their history with the help of interviews, drawings and mapping in Geobased Information System (GIS).

Excursion 31.5.-9.6.

Costs

Airfare BER- ATH ar.
200-250 €

Accommodation Athens 2
Nights ar. 80 €

Accommodation Amorgos
ar. 15 € per day
(7 days)

Ferry to Amorgos and
return ar. 100-160 €

Total: ar. 550 €



Phase 1
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4 Weeks

Phase 2
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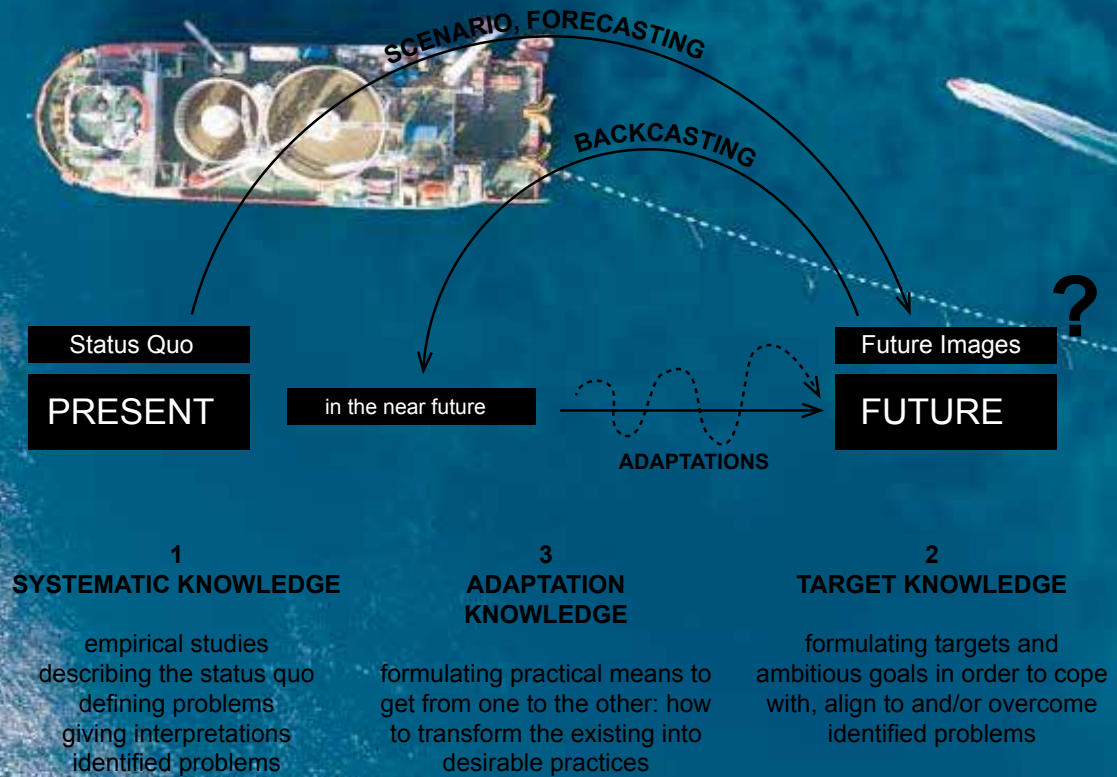
- development and design of transformation scenarios through different scales

Scenario / Design

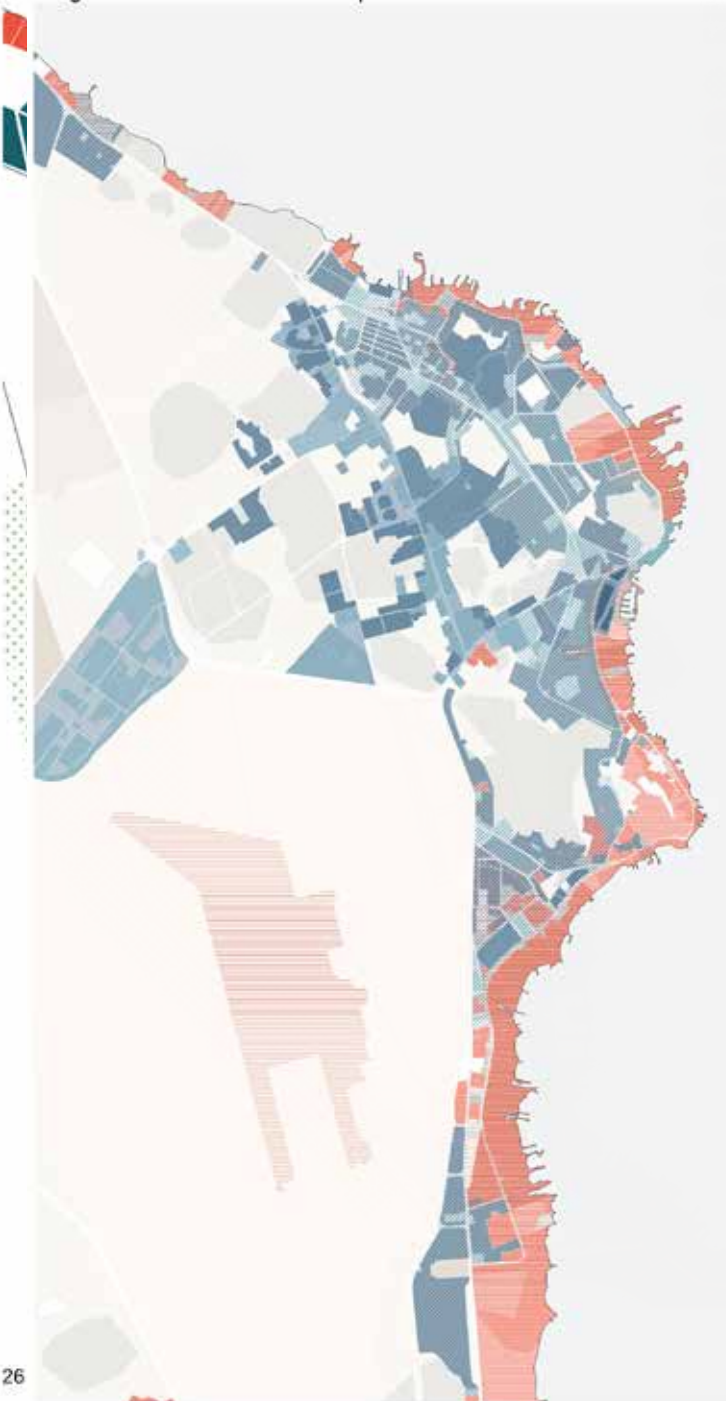
After these extensive analysis processes, in a third phase, groups will develop speculative scenarios that will project current developments into future touristic and urban transformations.

SCENARIO BUILDING

- 1 – Problem statement: systemic knowledge, analysis of status quo
- 2 – Vision: target knowledge, goals
- 3 – Understand impact: backcasting
- 4 – Develop strategy to achieve vision: building adaptation knowledge
- 5 – Define actions
- 6 – Reevaluate vision



I.1 Morphology and Space Hurghada Land Use and Soft Map



- TOURIST USE
- FUTURE TOURIST USE
- FORMAL HOUSING
- INDOOR HOUSING
- COMMERCIAL & INDUSTRIAL USE
- PUBLIC SERVICES
- RELIGION
- SPORTS
- PUBLIC SPACE
- MIX FORMAL HOUSING & COMMERCIAL
- MIX PUBLIC SPACE & COMMERCIAL
- MILITARY
- ENERGY PRODUCTION
- AGRICULTURE
- SUPPLY SYSTEM
- AIRPORT
- OVERSEAS
- UNKNOWN AREA
- HARD TOURIST AREA
- SOFT TOURIST AREA
- HARD LOCAL AREA
- SOFT LOCAL AREA

fig. 1.1
Based on an authoritative map and google maps, a land use map was created, showing all the types of land use in Hurghada. This map clearly shows the tourism sector as the backbone of the city as it spreads and expands along the whole coast of Hurghada creating a distinctive separator between the city and its coastline making the waterfront hard to access by locals. Furthermore, one can also easily notice the lack of public spaces within the city.

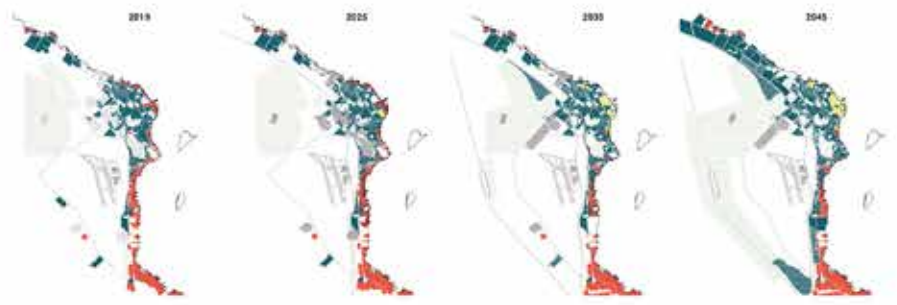
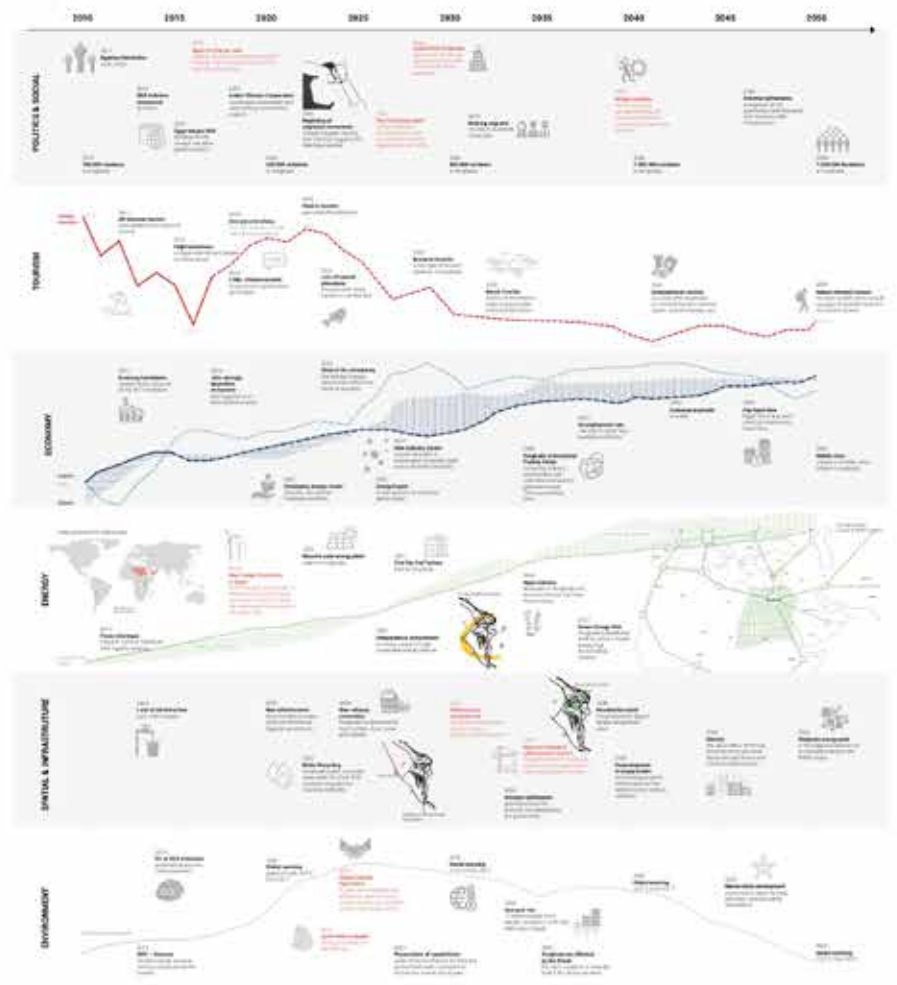
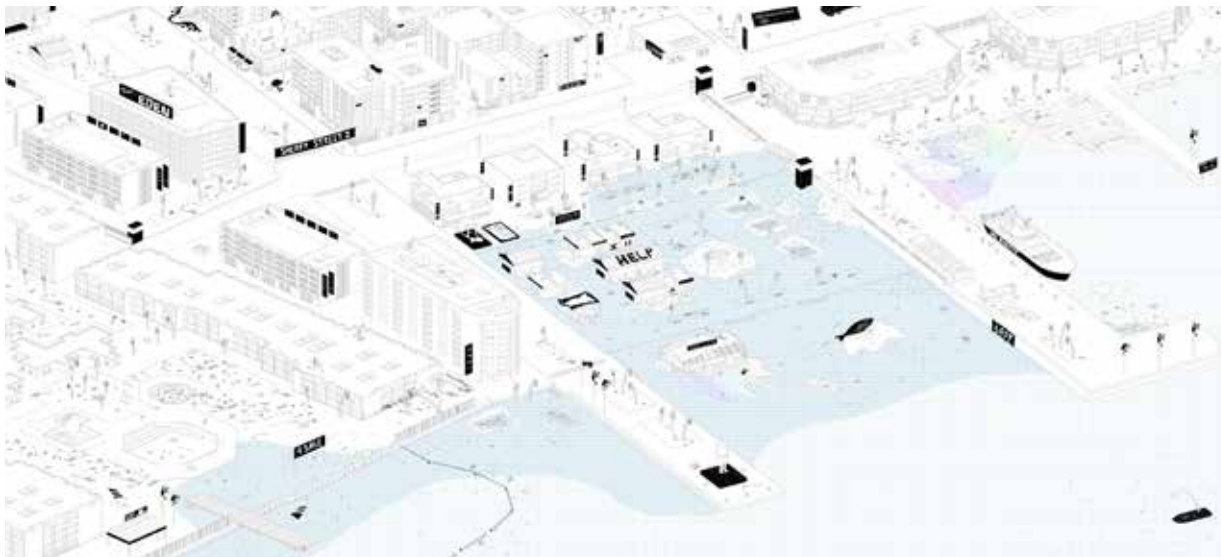
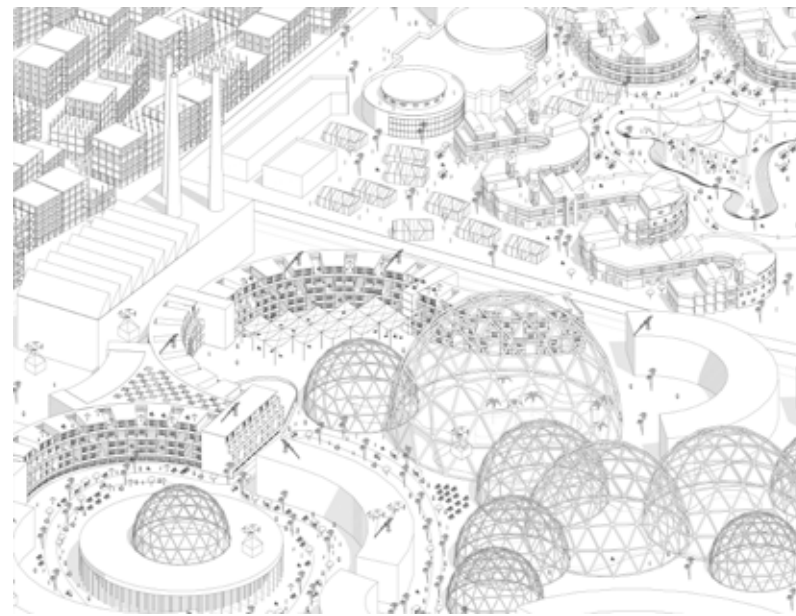


fig. 1.2 Classification
A study and a documentation of the morphology and different typologies of Hurghada's different resorts, how they are situated and their relation to the coastal line and the city. In this part, we learned that almost all of typologies are situated in a way that exploits the view of the Red Sea without taking into consideration how much area they cover or how they relate to the city. The result is intrusive and invasive typologies that deliberately turn their back to the city. As the all-inclusive tourism is introduced, tourists in these resorts no longer "need" the city.





weekly session at
Floating Berlin

Design Studio

12 ECTS + 3 ECTS (PIV)

MA UD: PJ 1-3 EP

M Arch: EP Städtebau I/II

MA Arch T: PJ 1-3

MA SRP: Projekt

Teaching Day

Thursdays 10am to 5pm, IfA and Floating University

Studio A202

Open Studio

April 13, 2023, 2 pm, Room 202

First meeting

April 20, 2023, 10 pm, Room 202

Excursion to Amorgos

June 2023 (no funding available)

Approximate costs 500-600 Euro

Betreuung

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David Bauer bauer@tu-berlin.de

12.04.2023



Habitat Unit