

Due to its vast number of world heritage sites and the long coastline Greece is one of the most visited countries in the world, making tourism the nation's principal economic sector. In the last decade, some of the islands in the Aegean Archipelago have evolved into the most frequented holiday destinations globally with a continued prospected upward trend in the near future.

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

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. Infrastructure logistics are seasonally overloaded since all goods and necessities need to be imported from the mainland. Furthermore, consequences of climate change and increased touristic activities result in irreversible damage to the island landscapes and directly impact on commercial, economic, and social relationships between the islands and the mainland.

Moreover, water scarcity is one of the most pressing issues, as most islands have no or only inadequate groundwater resources and are relying solely on rainfall. Importing freshwater is expensive due to the long distances involved and is not sustainable with the exploding numbers of part-time residents and tourists.

The studio will focus on the island of Amorgos on the eastern rim of the Cyclades and 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. In a first stage groups will study the inflow and outflow of material cycles to prepare for a 10 day field-trip. 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). 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.

The studio will be accompanied by a field-trip in early June. Costs have to be covered by the students.

Photo © <https://www.greece-is.com/santorini-pressure-threat-overtourism/> Getty Images/ Ideal Image

# Water, Tourism, Climate Change AMORGOS FLUX

Design Studio

# SoSe 23

Urban Design Studio  
12 ECTS + 3 ECTS (PIV)  
Pflicht (P) for  
MA UD: PJ 1-3 EP  
MA SRP: Projekt  
MA Arch: EP Städtebau I  
MA Arch T: Design Studio II

Teaching Day  
Thursdays, 10 a.m. – 5 p.m.  
at Studio A202 and Floating  
University

Excursion to Amorgos  
June 2023 (no funding available)

First meeting  
20. April 2023, 10 a.m.  
Open Studio 13. April 23, 2 p.m.

Application  
via ISIS  
see website for link  
<http://habitat-unit.de>

M.Sc. David Bauer  
Dr. Christian Haid  
Prof. Anke Hagemann

**Habitat Unit**