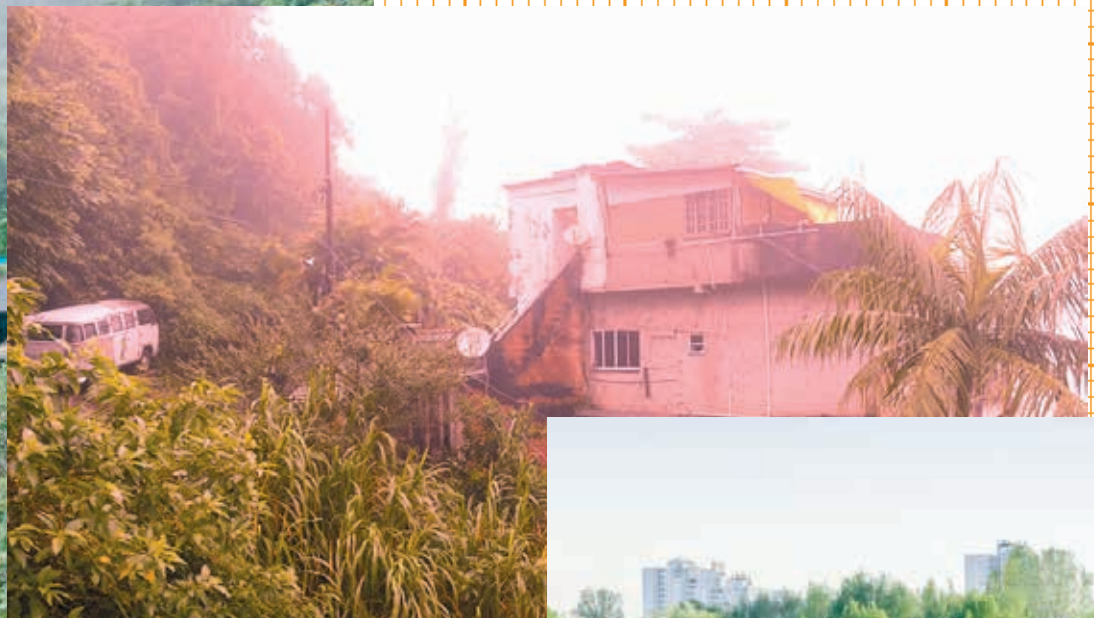


PROTOTOPIA

Garden–House–City
Berlin–Rio de Janeiro–Swakopmund



FG Hehl
Studio Master
Hochbau I



Ecologies of Resilience



Ilkka Halsö, Kitka River, Museum of Nature (2004)

Resilience describes the ability of systems to be resistant during or after the influence of shocks, conflicts and crisis. Resilient systems are able to adapt to transformations in order to guarantee long-term stability and security. While the term resilience is used as a synonym for sustainability in the area of social and ecological concerns, contemporary designs of resilient systems predominantly follow stereotypical images (green, natural, collaborative). Questioning the concept of resilience forms the basis for a new perspective on ecology, leading from its original meaning in terms of an existential relationship to the natural and social environment.*

*Definition of Ecology after Ernst Haeckel, *Generelle Morphologie der Organismen: allgemeine Grundzüge der organischen Formen-Wissenschaft, mechanisch begründet durch die von Charles Darwin reformirte Descendenz-Theorie*, 2 vols. (Berlin, 1866), 2: 140. „The whole science of the relations of the organism to the environment including, in a broad sense, all the ‘conditions of existence’“.

Prototyping Nature and Buildings



Anne Holtrop, Trail House

Prototopia Garden-House-City investigates the connection between design and socio-technological resilience on the basis of case studies and, in dialogue with specific actors, develops prototypical designs for a spatial practice that fosters a sustainable language for an architectural production of resilience.

Berlin - Rio de Janeiro - Swakopmund



Namibia

The starting point is formed by three different locations with different climatic and cultural conditions - the site in Berlin at the airport Tegel ties in with the small-scale logic of allotment gardens to develop new types of living derived from the garden culture.

The second site is in Rio de Janeiro's metropolitan area in the nature reserve of the tropical rainforest Mata Atlântica and understands the informal structure of the favelas as a sustainable development strategy.

The third site in Swakopmund/Namibia is located in the context of an extreme condition of a dry desert-like environment.

The Garden House



Jonathas de Andrade *Projeto de abertura de uma casa como convem*

A fundamental component of the three designs is the green space of three different ecological systems, which serves as a natural basis for life and which connects all locations in the studio's approach.

The garden forms the beginning of a design project that is in an intensive interrelation between architecture and ecology. On this basis, prototypes will be developed that create new typological connections between the ecological and social context.

Eco-Systems



Anne Holtrop

The built and the natural environment are considered as integral components of an eco-system that can grow and further develop new narratives of an urban ecology for living.

The design proposals are tested against the backdrop of different climate zones and scales. From the detail of the garden house to group form to the overall urban vision.

PIV - Stadt Raum Fotografie - FG BILDENDE KUNST



Agnes Denes, Wheatfield - A Confrontation.

The beginning of the studio is accompanied by a PIV (integrated exercise) taught by FG Kunst.

Schedule:

MO. 09 NOV, 11 - 14h

Exhibition visit and intro by Stefanie Bürkle

Haus am Kleistpark „Diversität der Moderne - 100 Jahre Groß-Berlin“

WE. 18 + 25 NOV, 09 - 13h

Individual crits with zoom

SO 29 NOV - 20h

Hand-in

Collective Learning



Studio WS 19

The studio is run in hybrid mode (attendance events + online assistance).

In view of the difficulties in the exchange due to corona-related restrictions, the focus is on teamwork and adherence to uniform methods and formats to create a collective basis for discussion.

Number of students	20
Credit points	12+3
PIV	FG Bildende Kunst
Coordinator	Catarina Farinha, Tobias Schrammek
Local contacts	Dieter Brandt, Eliane Saramento

Schedule

Start of the design studio FR. 06 NOV

Part 1 – Prototype Garden House Configuration

Individual Desk-crits FR. 13 NOV

Collective Desk-crits FR. 20 NOV

Collective Desk-crits FR. 27 NOV

Individual Desk-crits FR. 04 DEZ

Midterm Presentations FR. 11 DEZ

Part 2 – Prototype Group Formation

Collective Desk-crits FR. 18 DEZ

Individual Desk-crits FR. 08 JAN

Collective Desk-crits FR. 15 JAN

Individual Desk-crits FR. 22 JAN

Midterm Presentations FR. 29 JAN

Part 3 – Prototype Field

Collective Desk-crits FR. 05 FEB

Individual Desk-crits FR. 12 FEB

Layout Check FR. 19 FEB

Final Presentations FR. 26 FEB

References



Fig.1 Kazuyo Sejima, Nishinoyama House



Fig.2 Hassan Fathy



Fig.3 Álvaro Siza, Quinta da Malagueira



Fig.4 Vernakuläre Architektur



Fig.5 Charles Correa, Belapur Artist Village



Fig.6 Jean Renaudie, Cité des Étoiles

Referenzen



Fig.1 Schrebergärten mit Baurecht



Fig.2 Favela in Rio de Janeiro



Fig.3 Balkrishna Doshi, Aranya



Fig.4 Michel Ecochard, Casablanca



Fig.3 Moshe Safdie, Habitat Puerto Rico



Fig.6 Bernard Rudofsky, Frigiliana