

PJ Entwerfen 2 (Bachelor)

SS 2025

Institut für Gestaltung / Konstruktion und Gestaltung - i.sd Structure and Design

Course Number:

847326 & 847327

Teaching Language:

German & English

Instructors:

Univ.-Prof. Mag. Stefan Rutzinger

Univ.-Prof. Mag. Kristina Schinegger

Lara Yegenoglu, MA AA Diploma, BYAK (LV-Leitung)

Tutorials:

Wednesday 10:00 - 16:00

Learning Outcome:

Students are able to master simple design and planning tasks. They are able to analyse a design task, to formulate an architectural programme, to create a spatial concept and to translate it into an architectural design of a high aesthetic level.

Trails of [trans] Formation

An Atlas of
Alpine
Science Hubs

PJ
Design Studio E2
SS25

Lecturers
MA AA-Dipl. Lara Yegenoglu
Univ.-Prof. Kristina Schinegger
Univ.-Prof. Stefan Rutzinger

isd
STRUCTURE AND DESIGN
UNIVERSITY OF INNSBRUCK

Trails of [trans] Formation

An Atlas of Alpine Science Hubs

ABSTRACT

Being part of the vertical studio at the i.SD and its overarching theme of a new "House of Science" in Tyrol, this semester's E2 Design Studio will continue its explorations on architectural interventions that challenge the intersection of science and the public. Engaging with the mountainous landscapes of Tyrol we will propose a series of interdisciplinary spaces that form an Atlas of Alpine Science Hubs.

Focusing on the environmental and socio-cultural challenges of the Tyrolean alpine regions, that reach from global warming, the retreat of glaciers and shifting borders to social movements, seasonal tourism and landscape exploitation, the individual projects will act as strategic catalysts to promote the Science Centre at large and to create an awareness of the importance of science in everyday life.

Relying on the surrounding topography and its natural environment, these volumetric clusters will generate interactive environments for scientific exploration, exhibitions and research along collaboratively curated trails of transformation.

INTRO

"All history is nothing but a continuous transformation of human nature."
- Karl Marx

During times in which the world is facing environmental threats on a global level, political, economical and socio-cultural challenges on a societal level, and a notion of unsettlement and insecurity on a personal level, we are confronted with constant transformations.

The normal state of things is constantly disrupted by the multi-layered and complex interlinkage of all these urgencies, thus constructing a world in which catastrophes and crisis can no longer be perceived as exceptions but start to define the everyday life. Whether they are temporary, periodical or indefinite, these events change our perception and understanding of what we have become accustomed to as normality, safety and order.

Although these environmental and social transformations result in various fields of uncertainty, their retrospective analysis allows us to learn from the past while the initiation of prospective measures enables us to reduce the level of unpredictability of future scenarios alike, improving social and existential resilience of mankind. These prospective measures cover various fields of science and rely on a wide range of

scientific research methods that start to deconstruct and unfold the complexities of human-nature relationships.

DESIGN PROPOSAL

The E2 studio will engage with the local challenges of environmental and socio-cultural transformations in the Alpine regions in Austria through the lens of science. As discussions for a new Science Centre in Innsbruck are ongoing, we will propose clusters of self-contained interventions, that are situated at carefully chosen locations along the Tyrolean mountain range, correspond with the institution at large and create moments of interaction between the public and various scientific disciplines.

Working with the surrounding fabric we will generate intricate structures that correspond with the existing landscape. With a highly analytical and volumetric approach, we will aim to create adaptive spaces for the representation of transforming places. Generating a multi-disciplinary environment, students will address both natural and social sciences as well as humanities to enable challenging conflicts and to stimulate discussions of present issues within a defined spatial framework.

The crafted spaces will be flexible and therefore responsive to ongoing exhibitions, incorporate areas exploration and activate the public realm through the implementation of collective and inclusive programs. As a studio we will compose new typologies for alpine science hubs in Tyrol.

DESIGN METHODOLOGY

Students will begin their investigations with analytical and informative site research through drawing and digital documentation, observing conditions of nature and human behaviour within the chosen territories.

Examining existing building typologies as well as nature driven processes, we will analyse volumetric methods and properties that will start to inform the spatial concept.

The individual projects will define one scientific field of transformation that will enable environmental, social and spatial intersections between science and the public. We will work through a volumetric and data-driven design process, both through three-dimensional drawing as well as digital and physical model making, in order to test and to generate adaptable and transformable spaces.

DESIGN DELIVERABLES & FORMAT

The studio project challenges students to engage in a dynamic exploration of analytical and artistic expression and volumetric design thinking by creating architectural proposals for alpine science hubs that introduce new trails of transformation.

By synthesising traditional and modern techniques, students will explore and represent their projects through various drawings and formats such as maps, diagrams, floor plans, elevations, section and explanatory axonometrics; renderings and atmospheric

views of three-dimensional volumetric designs; physical model building techniques such as laser cutting, casting, and 3D printing.

The final submission will conclude with data-driven and conceptual diagrams followed by a full set of architectural drawings including a site plan, spatial plans, elevations, sections, three-dimensional drawings and views as well as physical models.

REFERENCES

Books:

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- Aït-Touati, F, Arènes, A, Grégoire, A. *Terra Forma, A Book of Speculative Maps*. MIT, 2022.
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- Galison, Peter, and Emily Thompson. *The Architecture of Science*. MIT Press, 1999.
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- Wigley, Mark. "Unleashing the Archive." *Future Anterior: Journal of Historic Preservation, History, Theory, and Criticism*, Vol. 2, No. 2 (2005): 10-15.

Websites:

<https://cntxtstudio.com>

<https://www.gercoderuijter.com>

<https://media.mit.edu/projects/making-data-matter/overview>

<https://oeaw.ac.at/igf/forschung/social-ecological-transformations>

<https://oxman.com/projects>

<https://projectstudio.co.uk>

<https://uibk.ac.at/de/forschung/forschungsprofil/archive-sammlungen>

<https://uibk.ac.at/de/alpinerraum>

<https://uibk.ac.at/de/fsp-kultur>

REMARKS

The studio is part of a “Vertical Studio” at the i.sd. This means that the topic “House of Science” is dealt with in all design studios; however, each studio has its own focus. Overarching studio activities are also planned, such as input lectures by scientists and curators, visits to reference projects and cross-reviews between the studios.

The E2 studio will meet once a week for joined workshops and individual tutorials. Besides the final submission of the project, the continuous design process is also part of the assessment. The attendance at Pin-Ups and Reviews is therefore mandatory.

BIO:



Lara Yegenoglu is a director at VILAA, an architectural practice specialising in contemporary design solutions for a given cultural context and the individual experience of the built environment. The practice has developed an international portfolio covering residential, cultural, and public realm interventions. Throughout her architectural discourse Lara worked on projects of various scales and eventually was engaged in the restoration of Battersea Power Station with WilkinsonEyre. She has taught at several institutions in the UK, Germany and Austria including the Bartlett (UCL), IU, University of Innsbruck and the AA School of Architecture in London, as a studio master of INTER14.

DATES:

MAR	W10	05/03/2025	WED	KICK OFF	
				WORKSHOP 01	<i>Site Analysis, Mapping</i>
	W11	12/03/2025	WED	TUTORIAL	
				WORKSHOP 02	<i>3D Modelling, Axonometrics, Infographics</i>
MAR	W12	19/03/2025	WED	TUTORIAL	
				WORKSHOP 03 DESK CRITS	<i>Atlas Individual Groups</i>
MAR	W13	26/03/2025	WED	PIN-UP 01	
				FEEDBACK DEBRIEF	<i>With Prof. Kristina Schinegger and Prof. Stefan Rutzinger All Groups</i>
APR	W14	02/04/2025	WED	TUTORIAL	
				WORKSHOP 04 DESK CRITS	<i>Concept Diagrams Individual Groups</i>
	W15	09/04/2025	WED	TUTORIAL	
				DESK CRITS	<i>Individual Groups</i>
	W16	16/04/2025	WED	HOLIDAY	
W17	23/04/2025	WED	HOLIDAY		
APR	W18	30/04/2025	WED	TUTORIAL	
				DESK CRITS	<i>Individual Groups</i>
MAY	W19	07/05/2025	WED	MIDREVIEW	
				FEEDBACK DEBRIEF	<i>With Prof. Kristina Schinegger and Prof. Stefan Rutzinger All Groups</i>
	W20	14/05/2025	WED	TUTORIAL	
				DESK CRITS	<i>Individual Groups</i>
MAY	W21	21/05/2025	WED	TUTORIAL	
				WORKSHOP 05 DESK CRITS	<i>Design Drawings & Atmospheric Views Individual Groups</i>
MAY	W22	28/05/2025	WED	TUTORIAL	
				DESK CRITS	<i>Individual Groups</i>
JUN	W23	04/06/2025	WED	PIN-UP 02	
				FEEDBACK DEBRIEF	<i>With Prof. Kristina Schinegger and Prof. Stefan Rutzinger All Groups</i>
	W24	11/06/2025	WED	TUTORIAL	
				WORKSHOP 06 DESK CRITS	<i>Layout, Graphics & Presentation Individual Groups</i>
JUN	W25	18/06/2025	WED	TUTORIAL	
				DESK CRITS	<i>Individual Groups</i>
JUN	W26	25/06/2025	WED	FINALS	
				FEEDBACK DEBRIEF & DRINKS	<i>With Prof. Kristina Schinegger and Prof. Stefan Rutzinger</i>