STUDIO WEINAND
X
PHÄNOMENA

Autumn 2022 → Architectural concept
Spring 2023 → Details and prototypes
Summer 2023 → Construction workshop
RESOURCE DEPLETION

ENVIRONMENTAL POLLUTION

What can architects do?

EARTH OVERPOPULATION

CONSTRUCTION WASTE
1. Statement and research questions

“People make architecture, architecture make people”

How can architectural design... 

trigger curiosity? 
lead by example? 
educate people? 
be pedagogic? 
...
2. Studio topic

PHÄNOMENA

INTERACTIVE SCIENCE EXHIBITION

1984 → 2024
3. Thematics of the 2024 exhibition

- Climate Change
- Energy
- Mobility
- Universe
- Society
- Biodiversity
- Physics & Chemistry
- Artificial Intelligence
4. Exhibition aim and focus

PLAYING
EXCHANGING
LEARNING
BY...
IMMERSING
EXPERIMENTING
5. Full-year studio *(from design to construction)*

**ARCHITECTURAL DESIGN**

Concept proposal, master plan...

**DESIGN DEVELOPMENT**

Construction details, prototypes fabrication...

**ON-SITE CONSTRUCTION**

Assembly sequences, automation and logistics...

*note: students are free to attend one, two or all three phrases.*
6. Project site
### 7. Project program

#### Covered space for the main exhibition building
15,000 m²  
(Floor area: 10,000 m²)

#### Play tower
5,000 m²

#### Pond
3,500 m²

#### Biodiversity lab
1,300 m²

#### Entrance
1,000 m²

- Parking space  
  (50 cars, 1,000 bikes)
- Restaurant  
  (1,000 seats)
- Restrooms  
  (300)
- Circulation paths
- ...
8. Studio activities

- Site Visit
- Visit of Timber Industry
- Lectures
- CNC Workshop
- Intro to Digital Tools
9. Studio team

Pr. Yves Weinand
architect and engineer

Petras Vestartas
MSc. Architect

Nicolas Rogeau
MSc. engineering architect

Farzaneh Eskandari
MSc. Architect

François Perrin
carpenter

Professor
and head of IBOIS

Teaching assistant
Post doctoral researcher

Teaching assistant
and PhD student

Teaching assistant
and PhD student

Technical advisor
and security coordinator

Any questions about the studio? → nicolas.rogeau@epfl.ch