

# COHABITATION FOR CLIMATE RESILIENCE

LEIBNIZ UNIVERSITY HANOVER

Country / City **GERMANY / HANOVER**

University / School **GOTTFRIED WILHELM LEIBNIZ UNIVERSITY HANOVER**

Academic year **5**

Title of the project **CHANGING HABITATS: STRATEGIES FOR A RIVER VALLEY**

Authors **JULIA THEIS**

12

## TECHNICAL DOSSIER

Title of the project **CHANGING HABITATS: STRATEGIES FOR A RIVER VALLEY**  
Authors **JULIA THEIS**  
Title of the course **MASTER THESIS**  
Academic year **5**  
Teaching Staff **PROF. CHRISTIAN WERTHMANN, PROF. JÖRG SCHRÖDER**  
Department / Section / Program of belonging **FACULTY FOR ARCHITECTURE AND LANDSCAPE,  
INSTITUTE FOR LANDSCAPE ARCHITECTURE, INSTITUTE FOR DESIGN AND URBAN PLANNING**  
University / School **GOTTFRIED WILHELM LEIBNIZ UNIVERSITY HANOVER**



**This thesis was initiated in response to the devastating flood in the Ahr Valley in 2021. Historically, the narrow valley has been hit by such flash floods frequently. Among other stressors, these have caused great damage to the landscape and have cost human lives. So far, there is no solution and no overall concept for the Ahr valley - although the urgency is undeniable.**

**The thesis considers the new situation as an opportunity and tests, with the help of scenarios, how the Ahr Valley can live in the future. The scenarios addressed the cohabitation of human and non-human actors with different degrees of human use of the valley. In the process, new dynamics emerge, both in the valley floor and vertically to the river across the mountain. The new vertical connection as a sequence of the Ahr Mountains is seen as an important solution for the overall concept in the Ahr Valley and is designed using an exemplary village.**

12th International Biennial Landscape Barcelona

Barcelona November 2023

**SCHOOL PRIZE**

For further information

**Máster d'Arquitectura del Paisatge - UPC**

Contact via email at:  
master.paisatge.comunicacio@gmail.com

biennal.paisatge@upc.edu

**Máster d'Arquitectura del Paisatge - UPC**

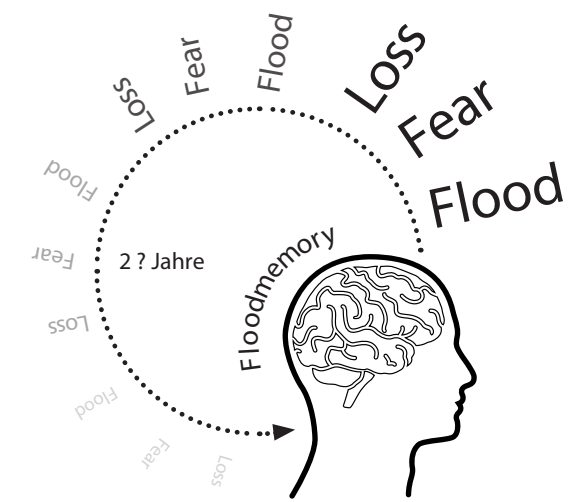
Sede ETSAB - Universitat Politècnica de Catalunya

Calle Jordi Girona, 15. Edificio Omega 1-3  
08034 Barcelona - Spain

COAC - Colegi oficial d'Arquitectes de Catalunya

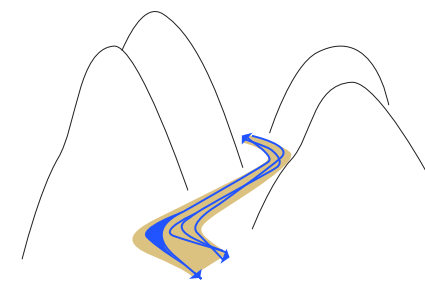
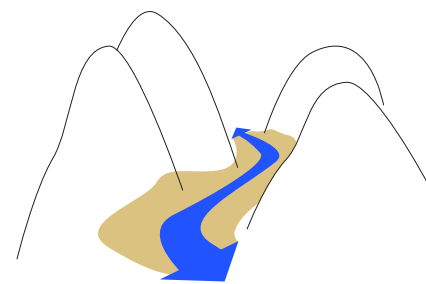
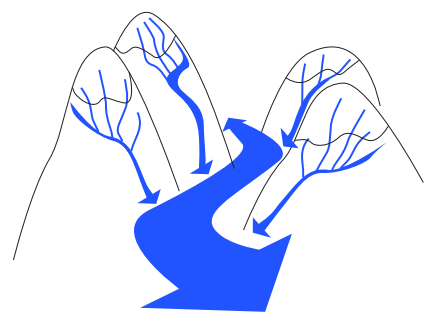
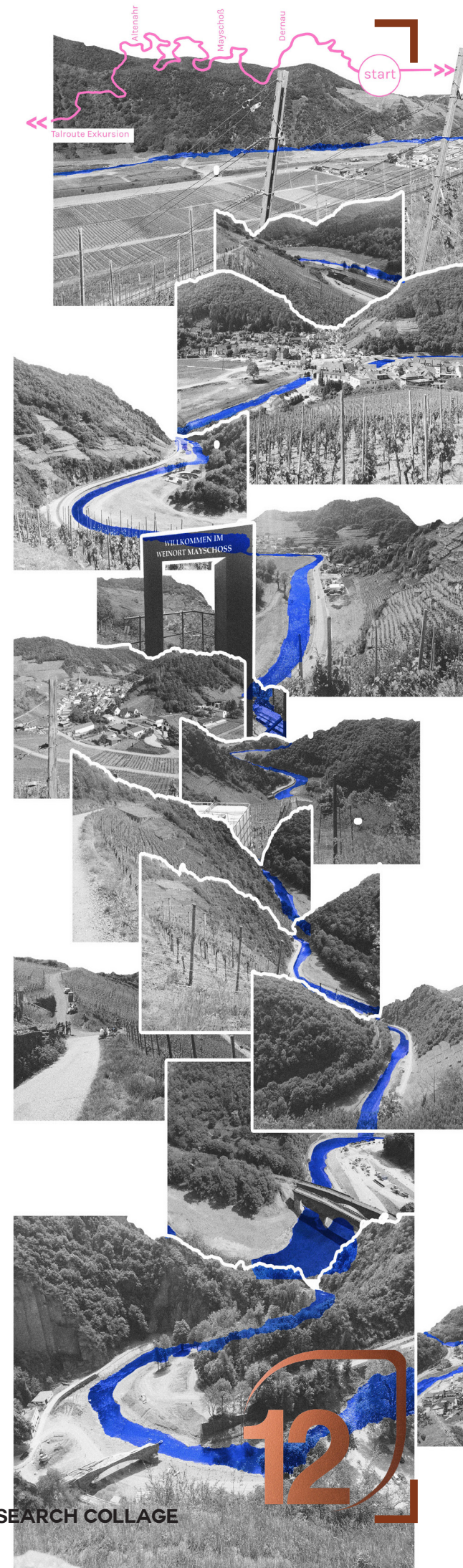
Carrer Arcs, 1-3  
08002 Barcelona - Spain





then...

**DISASTER OBLIVION AS A NATURAL PROCESS**

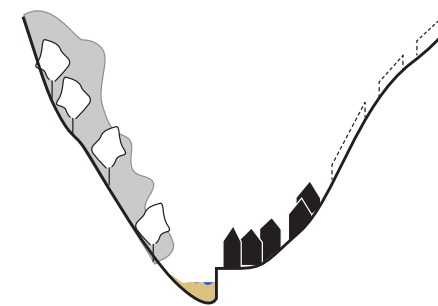
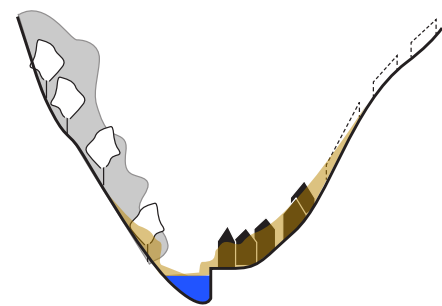
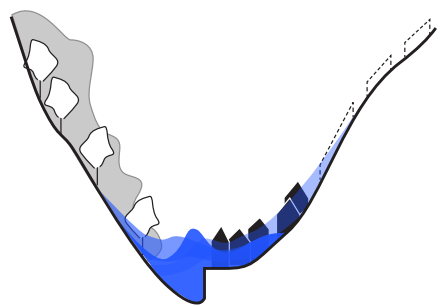
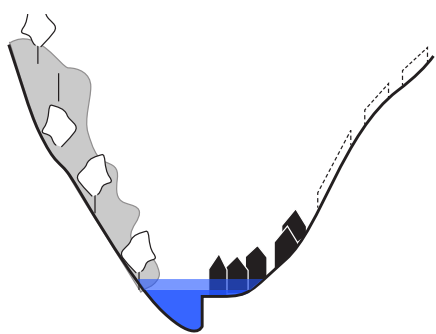


**HIGH WATER**  
SNOW MELT

**FLASH FLOOD**  
HEAVY RAIN EVENT

**AVERAGE WATER LEVEL**  
AFTER FLOOD

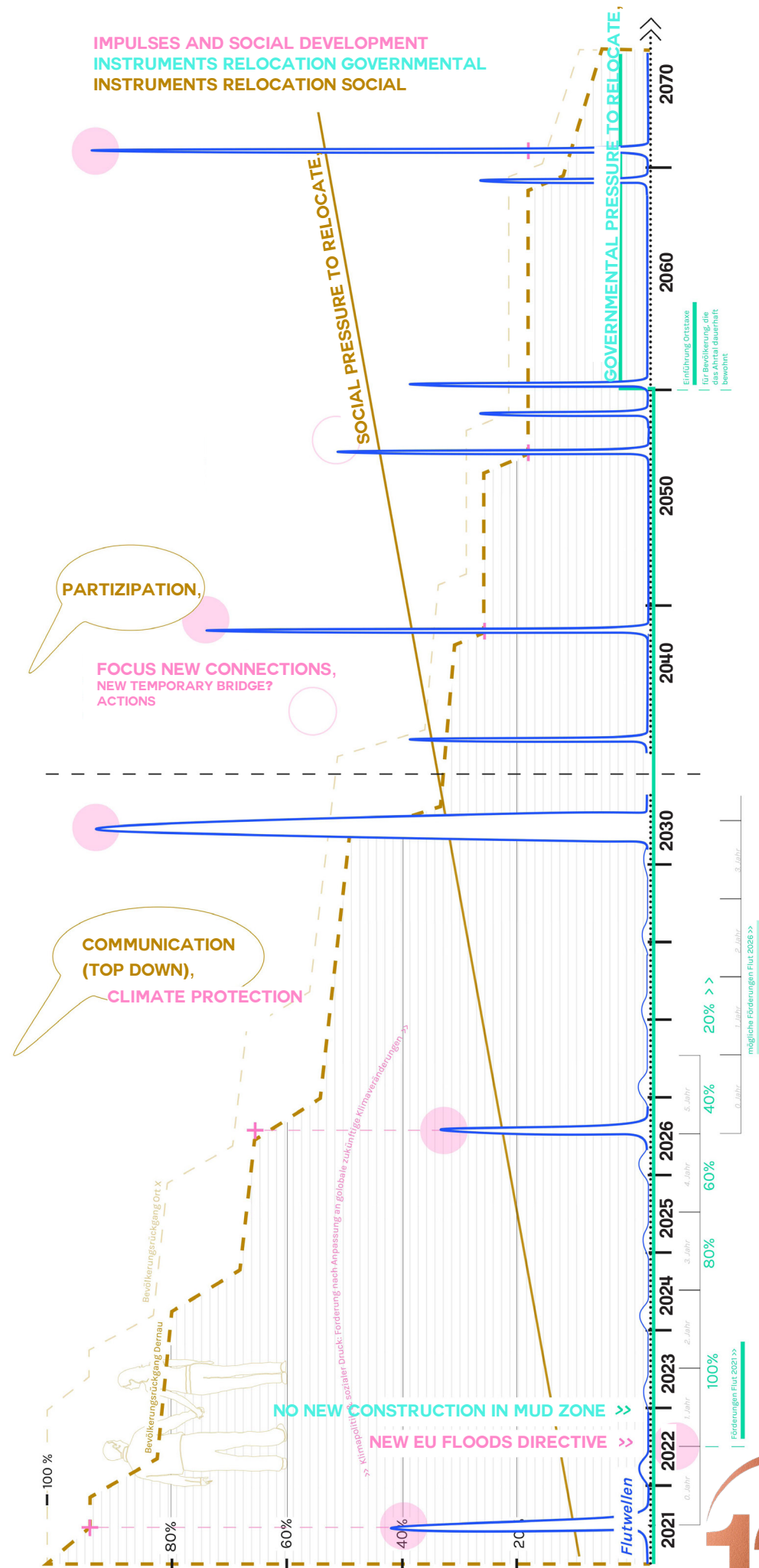
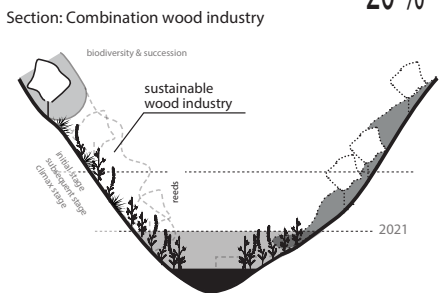
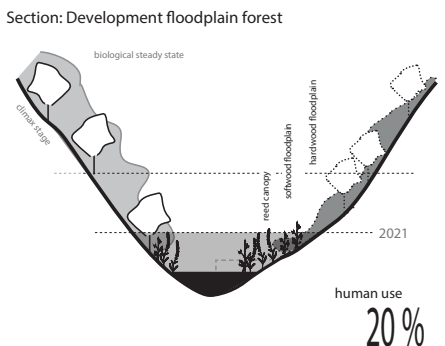
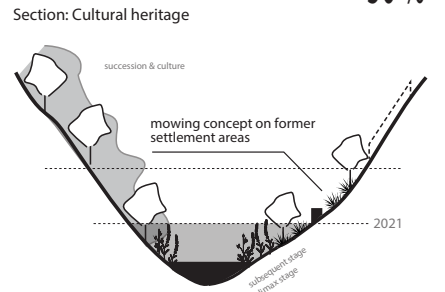
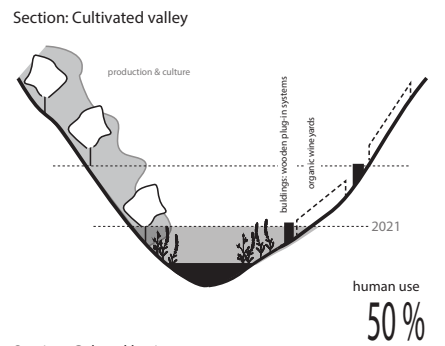
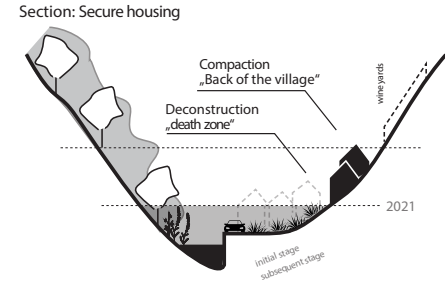
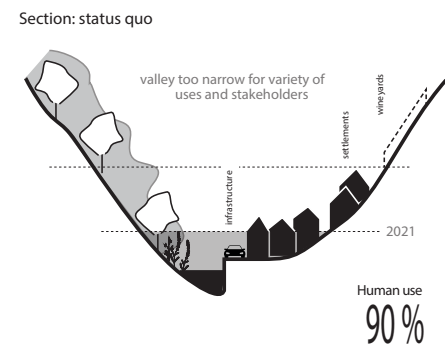
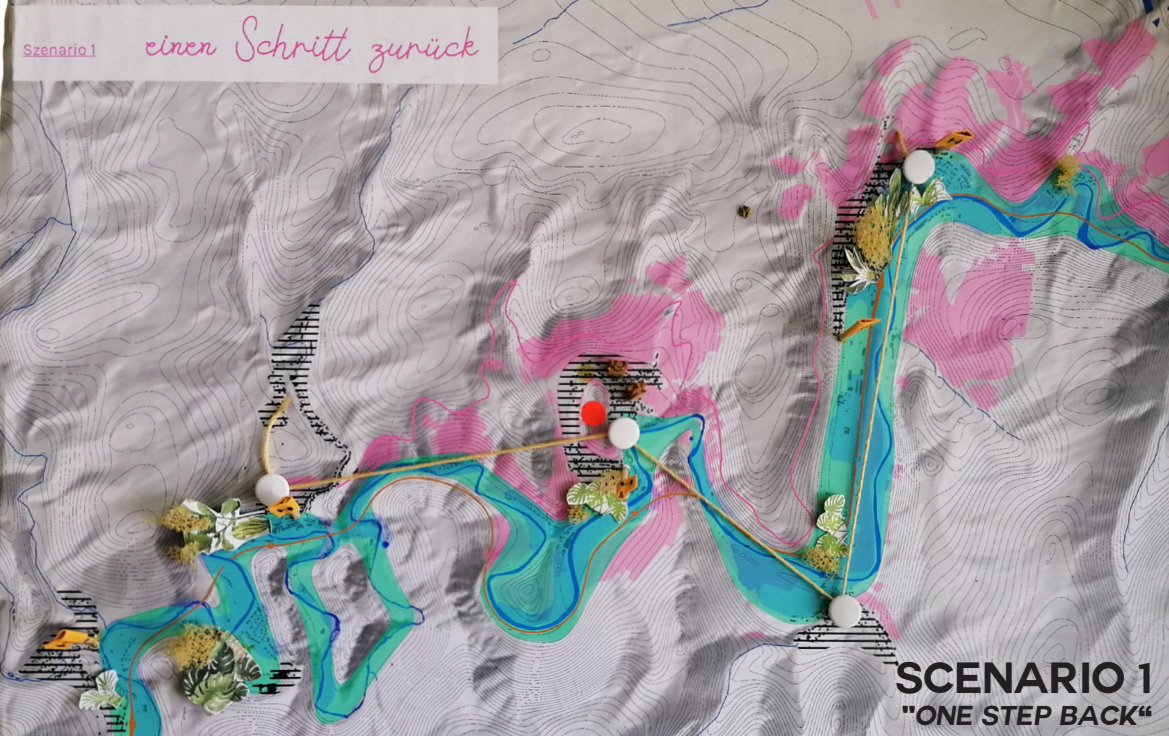
**LOW WATER LEVEL**  
DROUGHT



**DIFFERENT SITUATIONS OF THE AHR VALLEY**

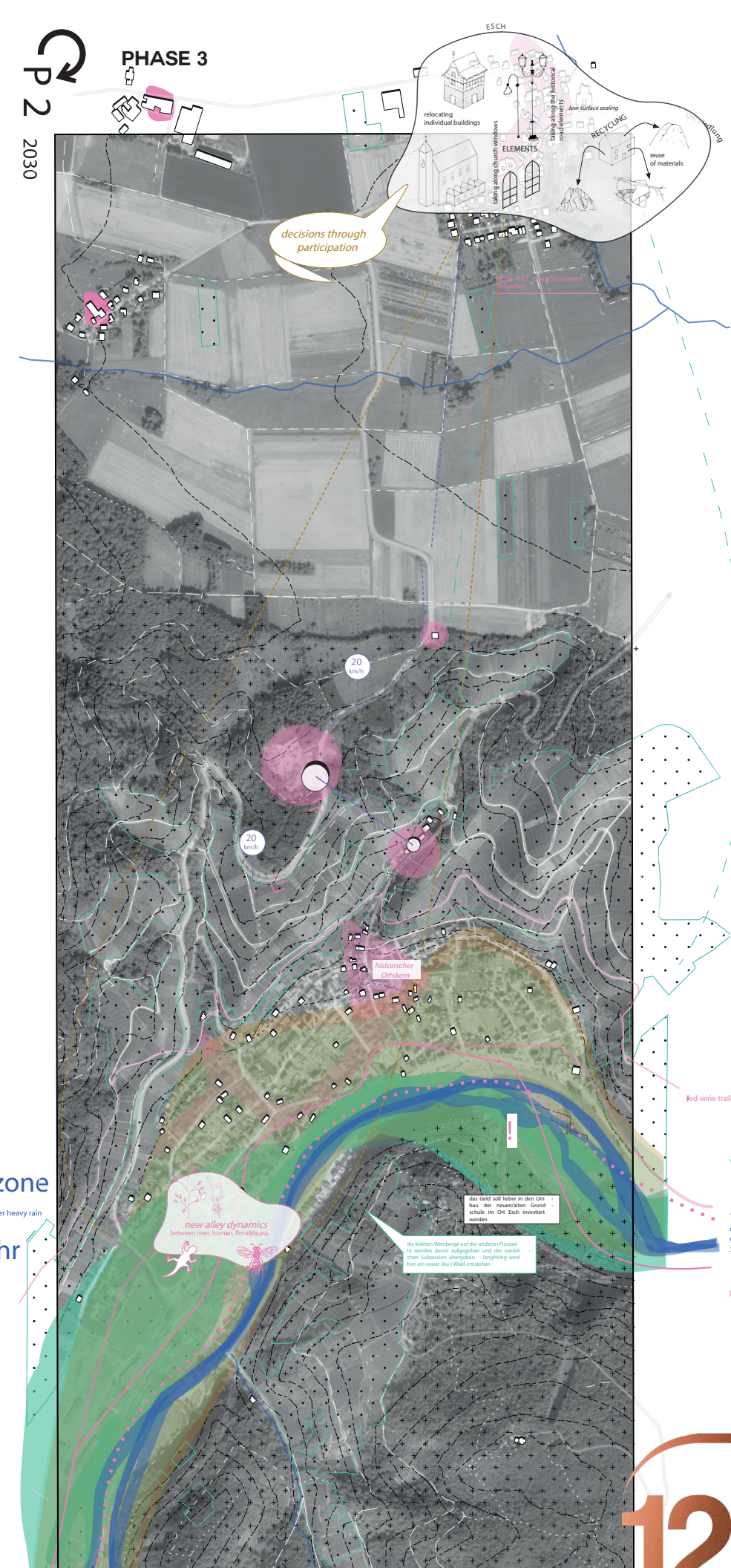
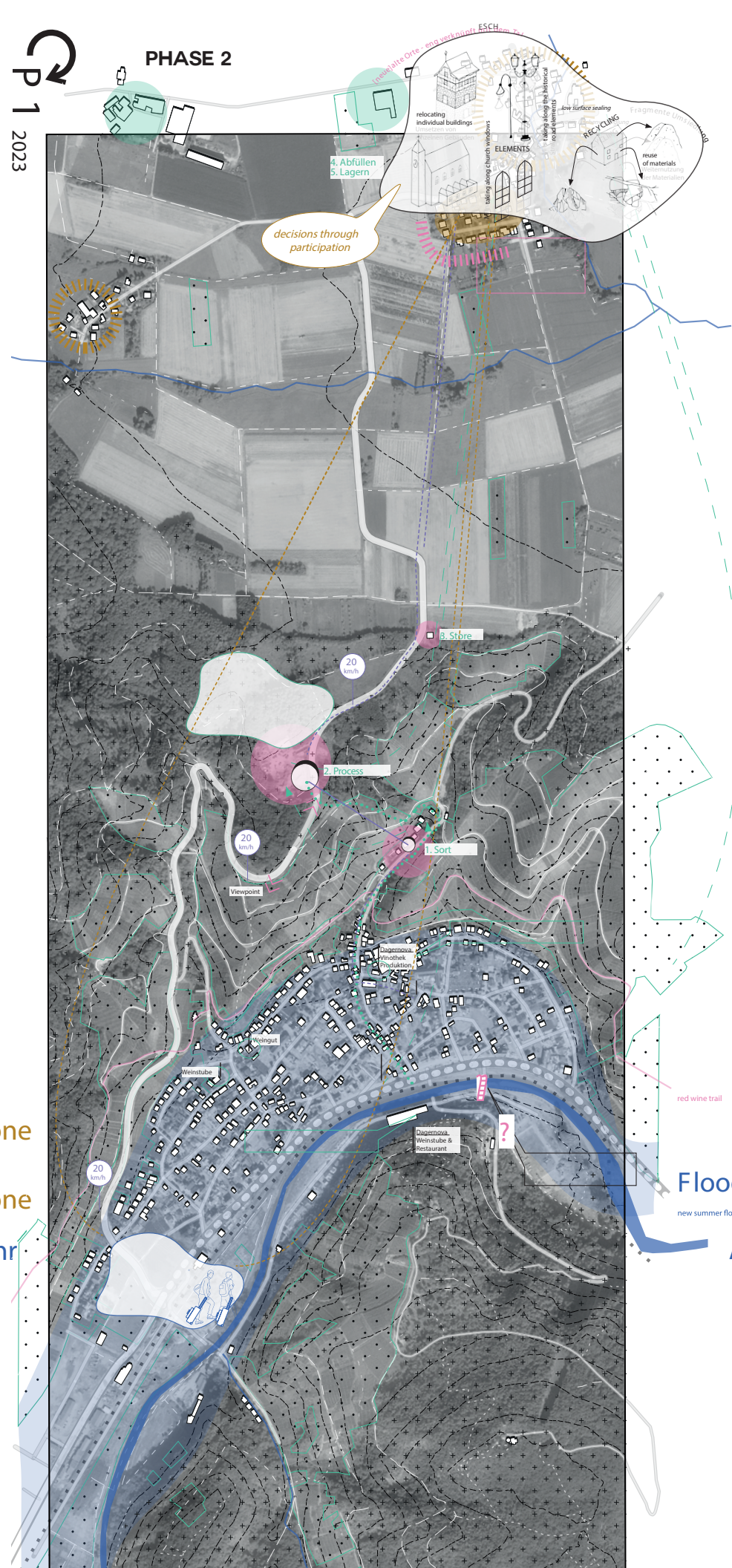
**FIELD RESEARCH COLLAGE**





**VOLUNTARY RESETTLEMENT:**  
**SOCIAL, SOCIETAL, POLITICAL AND ECONOMIC PROCESS**





DIFFERENT PROCEDURAL PHASES OF SCENARIO 3 "ONLY FOR A VISIT"