



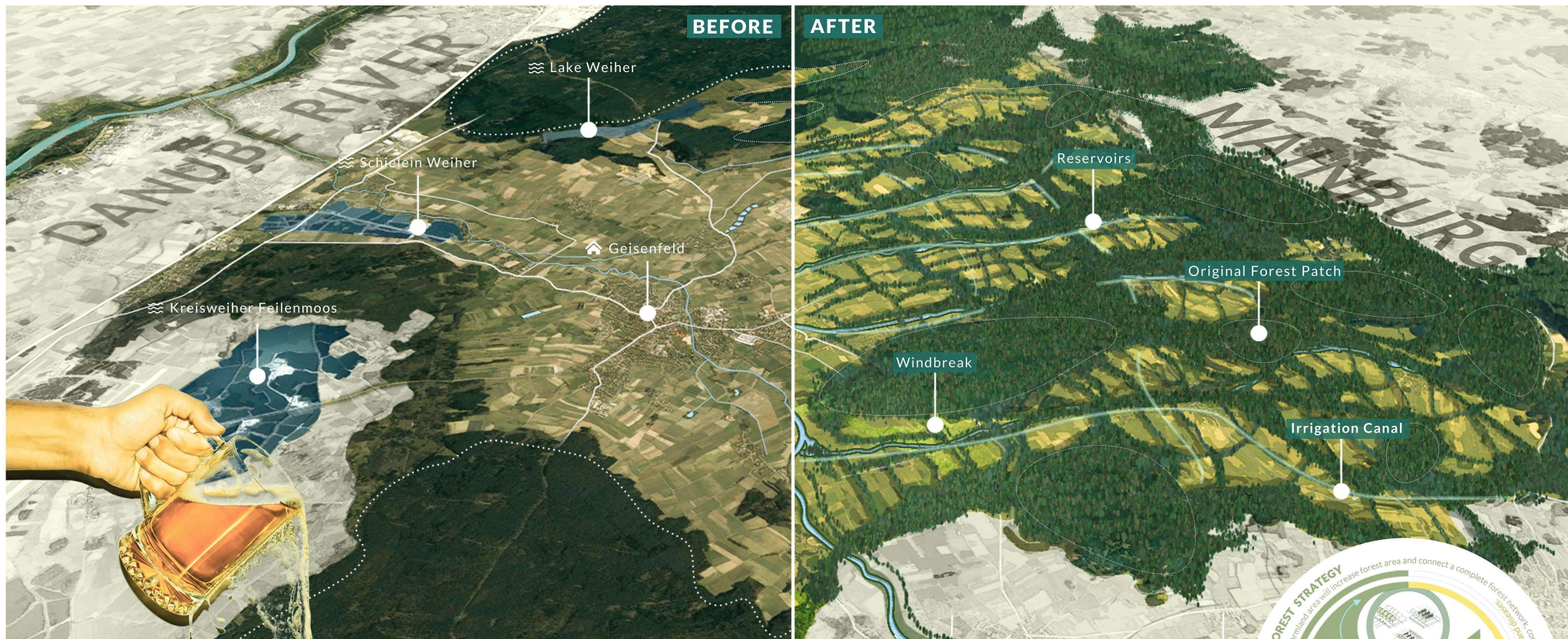
## Beijing Forestry University School of Landscape Architecture



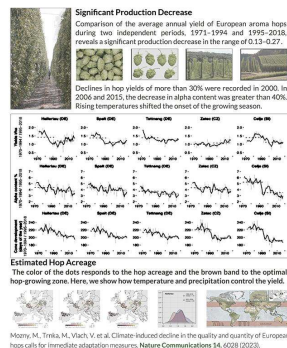
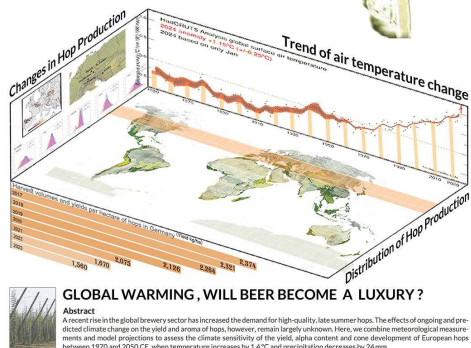
Following the theme “Natural Intelligence...?” of the 13th Barcelona International Landscape Biennial, the School of Landscape Architecture at Beijing Forestry University selected five exemplary student projects from outstanding undergraduate and postgraduate coursework completed in the past two years. Selection criteria emphasized intellectual depth, innovation, completeness, and the projects’ capacity to respond effectively to contemporary landscape challenges at diverse scales.

These projects highlight the continuous exploration and integration of “natural intelligence,” addressing ecological processes related to wildlife, plants, water systems, and urban environments. They illustrate the school’s commitment to sustainability and ecological resilience through landscape research, education, and practice at various scales—from regional to site-specific interventions. The school’s landscape education is also deeply grounded in nature-based solutions and applying natural intelligence (NAI) to address climate change, biodiversity conservation, and social inclusion. Collectively, this work demonstrates how faculty and students advance landscape innovation by applying “natural intelligence,” responding to global challenges such as climate change and human health, and providing inspiration and insight for future practices.

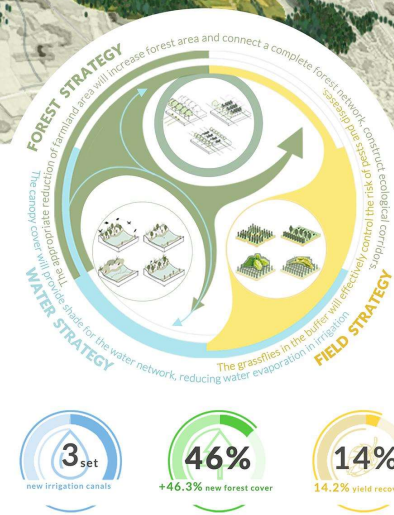
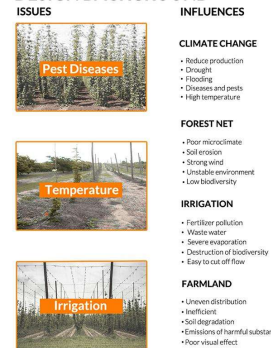




## DESIGN BACKGROUND



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Country/City Geisenfeld, Bavaria, German

University / School Beijing Forestry University School of Landscape Architecture

Academic year 2024-2025

Title of the project Hops Rescue Plan: Nature-Based Solutions Responded to Climate Change

Authors Yehong Yuan, Luyi Lin, Meixin Song, Wanlin Qu, Ziyao Tang, Xi Zhang, Di Li



**Title of the project** Hops Rescue Plan: Nature-Based Solutions Responded to Climate Change

**Authors** Yehong Yuan, Ziyao Tang, Meixin Song, Luyi Lin, Wanlin Qu, Di Li, Xi Zhang

**Title of the course** Landscape Management

**Academic year** 2023-2024

**Teaching Staff** Xiaoyu Ge, Xiong Li

**Department / Section / Program of belonging** Bachelor of Landscape Architecture

**University / School** Beijing Forestry University



## Written statement, short description of the project in English, no more than 250 words

In recent years, extreme climate threats have triggered a chain of negative impacts on hop production, leading to a sharp global decline in yield. The main culprits are global warming and the increased frequency of extreme weather events, causing more droughts, floods, heatwaves, and intensified pest outbreaks. Based on criteria such as representativeness, risk level, vulnerability, and planting scale, we selected the Gaizenfeld region as our project site.

We proposed a three-ring strategy: the Yellow Ring focuses on controlling farmland area, implementing biological pest control, and intercropping; the Green Ring aims to integrate fragmented woodlands and build continuous windbreaks; the Blue Ring centers on constructing a comprehensive water supply network and purifying agricultural pollution. Together, these strategies improve the local microclimate and enhance both the yield and quality of hops. To further boost overall benefits, we introduced ecotourism, designing themed events such as a hop festival based on the hop production line. This integrated approach promotes economic, ecological, and social sustainability in the hop-growing region.

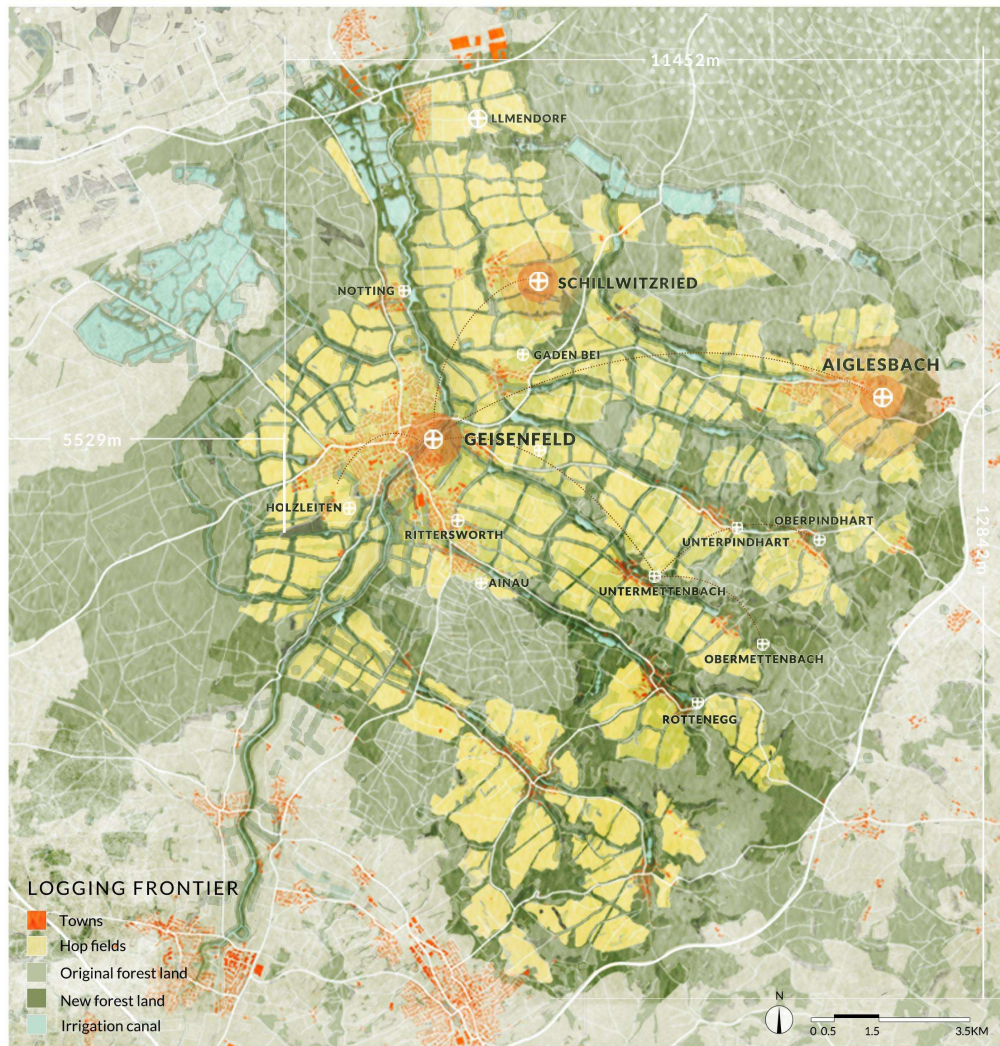
## Barcelona International Landscape Biennial

Contact via email:  
biennialadm@coac.net

Venue:  
COAC - Col·legi Oficial d'Arquitectes de Catalunya  
Carrer Arcs 1-3, 08002 Barcelona - Spain

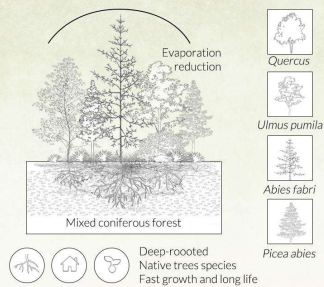


# MASTER PLAN

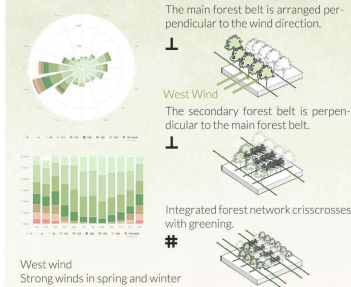


## FOREST STRATEGY

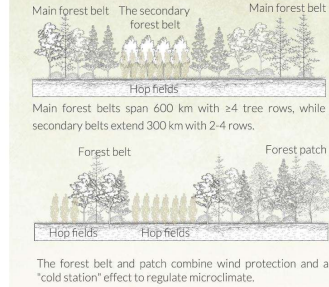
### TREE SPECIES



### WINDBREAK

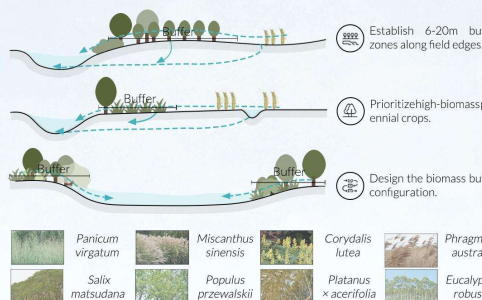


### PLANTING PATTERN

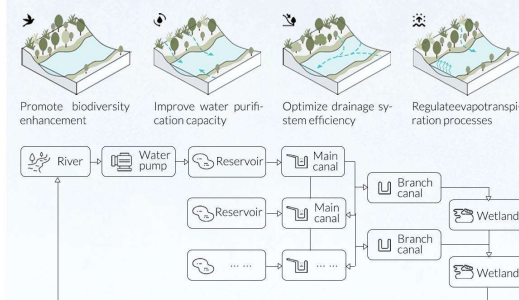


## WATER STRATEGY

### BUFFER CONSTRUCTION

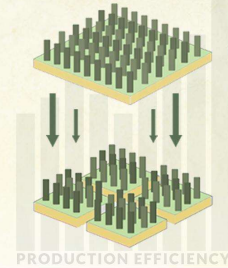


### BUFFER FUNCTION

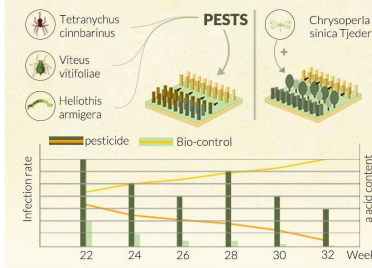


## FIELD STRATEGY

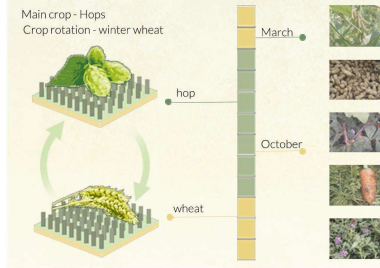
### SMENTING PATCHES



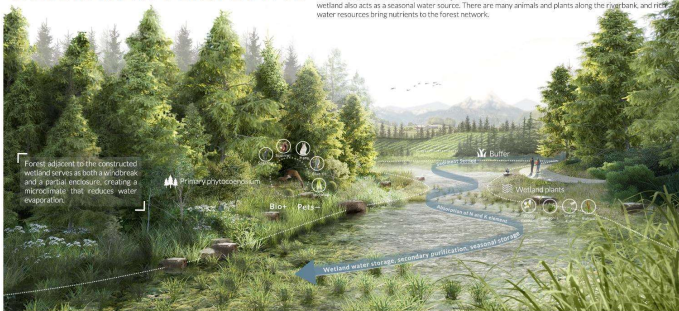
### BIOLOGICAL CONTROL



### CROP ROTATION & INTERCROPPING



## WATERFRONT PERSPECTIVE



## FARMLAND PERSPECTIVE

