

Soča rivershed (Lucija Pucihar)

Country / City Slovenia / Ljubljana

University / School University of Ljubljana / Biotechnical Faculty / Department of Landscape Architecture

Academic year 2018-2019

Title of the project **Alternative futures for the Soča Region, Slovenia**

Authors 1st and 2nd year MSc Students



TECHNICAL DOSSIER

Title of the project	Alternative Futures for the Soča Region, Slovenia
Authors	1st and 2nd year MSc Students
Title of the course	Studio I (Planning and Design), Visual Communications
Academic year	2018-2019
Teaching Staff	prof. M. Golobič, prof. D. Gazvoda, assist. prof. N. Penko Seidl, T. Pipan, assist. N. Florjanc., assist. T. Bevk, assist. A. Bašelj
Department/Section/Program of belonging	Department of Landscape Architecture
University/School	University of Ljubljana / Biotechnical Faculty



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

University of Ljubljana took part in the International Geodesign Collaboration (lead by Carl Steinitz) researching how landscape planning can help address future challenges of contemporary society. The aim of our case study was to plan the development in a highly naturally preserved but increasingly touristically burdened region of Soča Valley, Slovenia, in the uncertain times of pending climate breakdown and increasingly contested political setting. The main approach was exploration of strategic spatial development scenarios within a set of common global and specific local driving forces. The scenarios were defined according to the level and speed of adoption of socio-technological innovations in response to expected, but uncertain, future problems. Five scenarios were developed in two time sections – early and non-adopter for 2035, and early, late and non adopter for 2050. The students were tasked with developing eight systems ranging from energy, residential, infrastructure and industry to green infrastructure, agriculture, mixed use and tourism. Negotiation was used as a design tool, where student adopted the roles of advocates of their system. This process resulted in well-balanced and comprehensive future scenarios, described by a set of projects in different scales – from strategic planning to detailed design. These projects addressed a variety of topics including revitalization of abandoned settlements and agricultural holdings, expansion of residential areas, design of urban open space and tourist facilities, placement of photovoltaic cells in the landscape and bridging of the ecological obstacles on the Soča river. The Visual Communications course taught the students to explore how complex data can be leveraged to support arguments and provide knowledge for decision-making.

For further information
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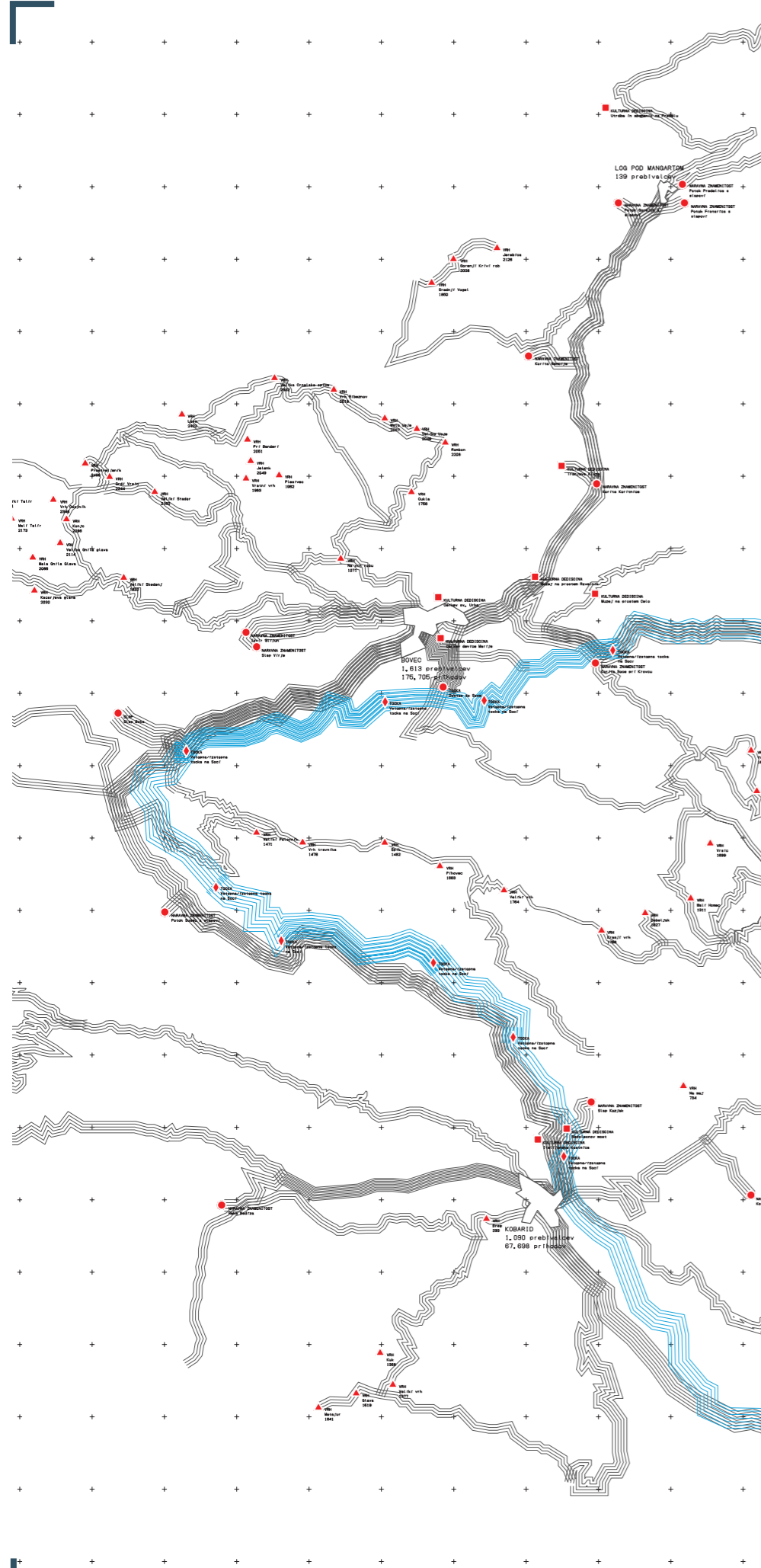
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ETSAB- Escola Tècnica Superior
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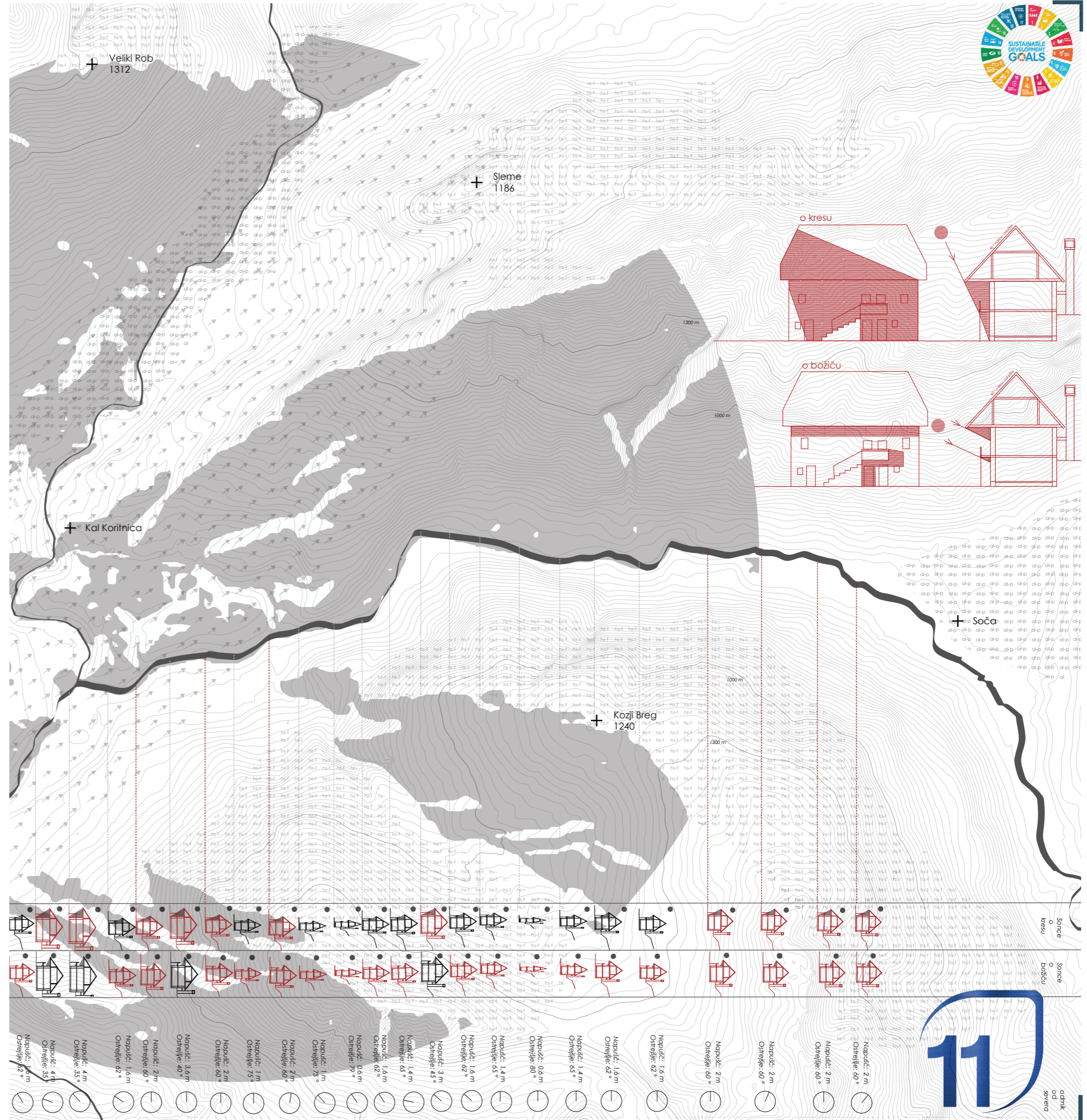
CLIMATE CHANGE AGAIN

11th International Biennial Landscape Barcelona

Barcelona September 2020
SCHOOL PRIZE

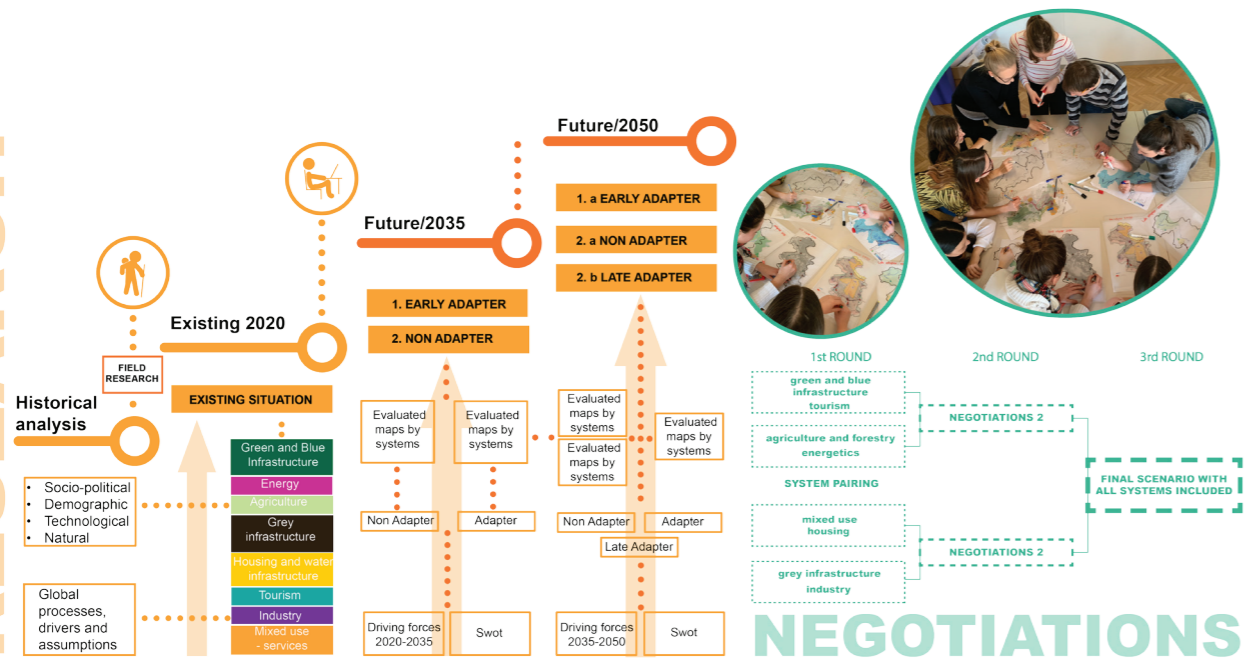


Study of the contemporary processes:
Pressures of tourism on upper Soča valley with the surrounding mountains (Meta Zgonec)



Drawing as a discursive instrument:
Transformation of classical Bovec house typology based on micro-location and natural conditions (Ana Benedik)

RESEARCH



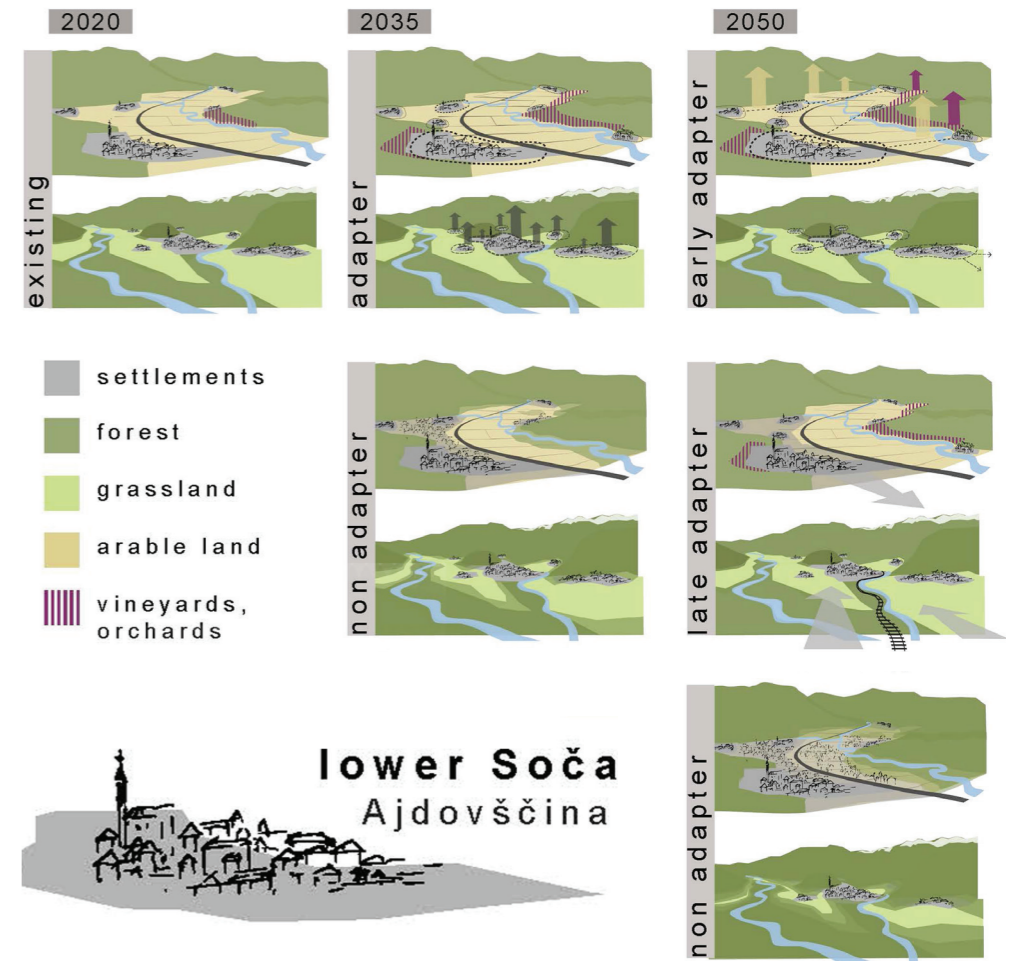
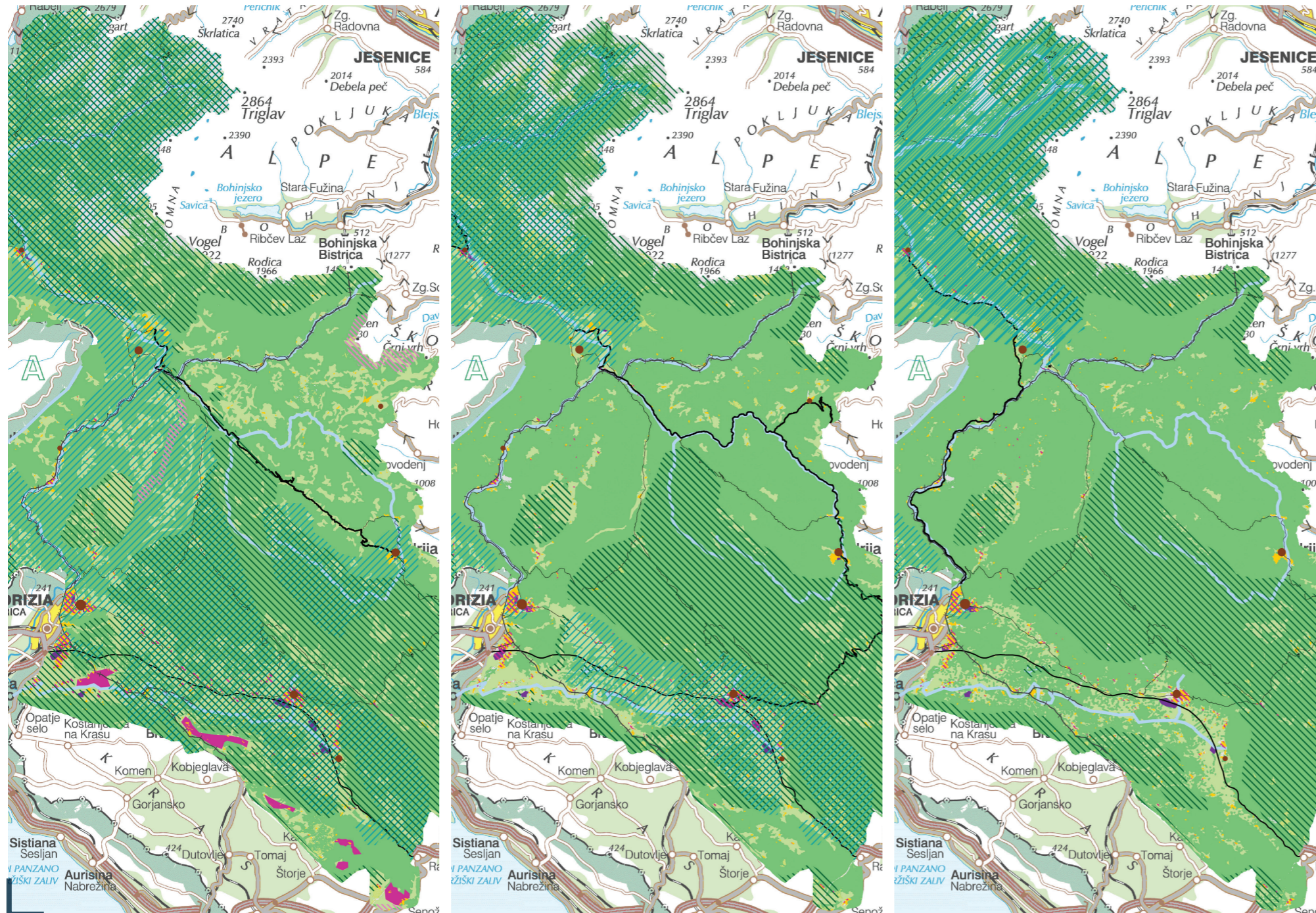
Project workflow: research lead to negotiations among students representing various interests in the area (Doroteja Benko)

	global	Soča area
society	growing population multiculturality EU politics and policies urbanization	aging population decreasing population local EU projects suburbanization, urban sprawl increase of mass tourism
economy	increased consumption higher energy demand free market competition big corporation	more local energy resources decreased production not competitive on global market cooperation of small organizations technology innovations information technology
environment	frequent extreme weather resource exploitation higher average temperatures diseases, pests, invasive species biodiversity loss air and soil pollution	frequent floods and droughts overgrowth of abandoned land decrease of water level

Main global and local driving forces (Filipa Valenčič)



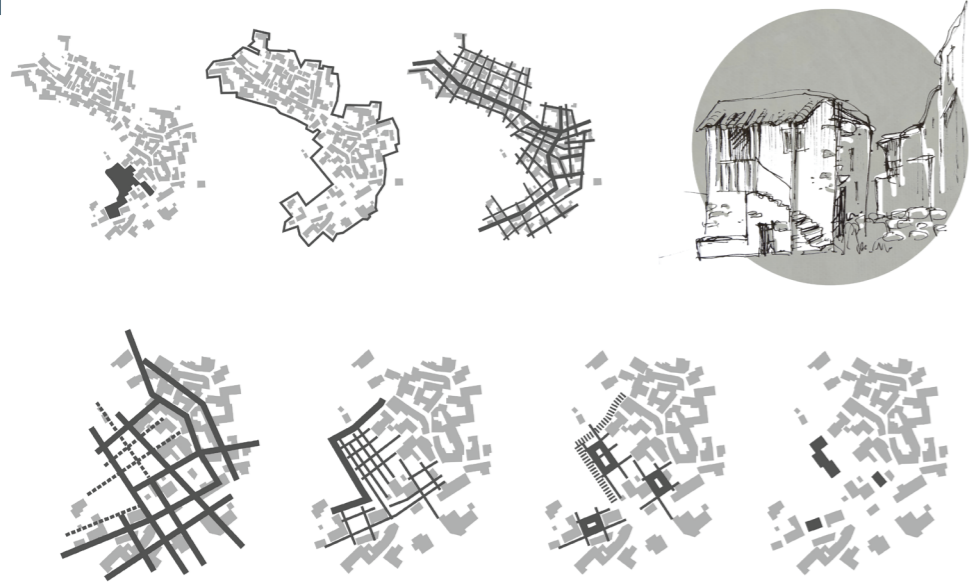
Green infrastructure development principles (Tamara Tratar)



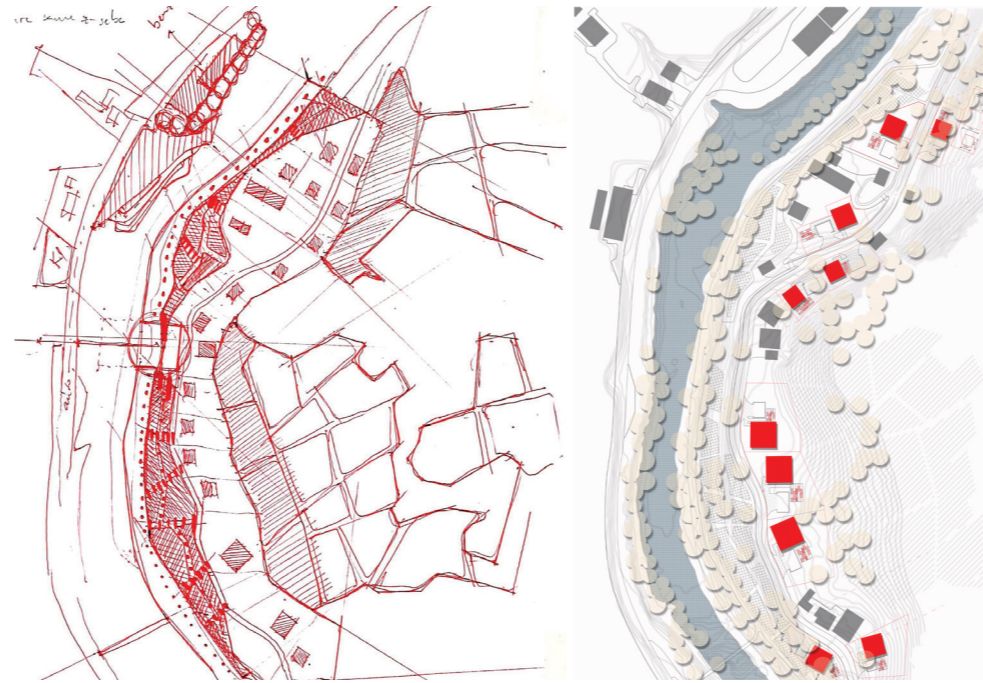
Examples of development by scenario (Filipa Valenčič)

The problem was studied through scenario approach. From left to right: early-adopter foresees and responds to challenges, late-adopter waits and responds, non-adopter continues business as usual.

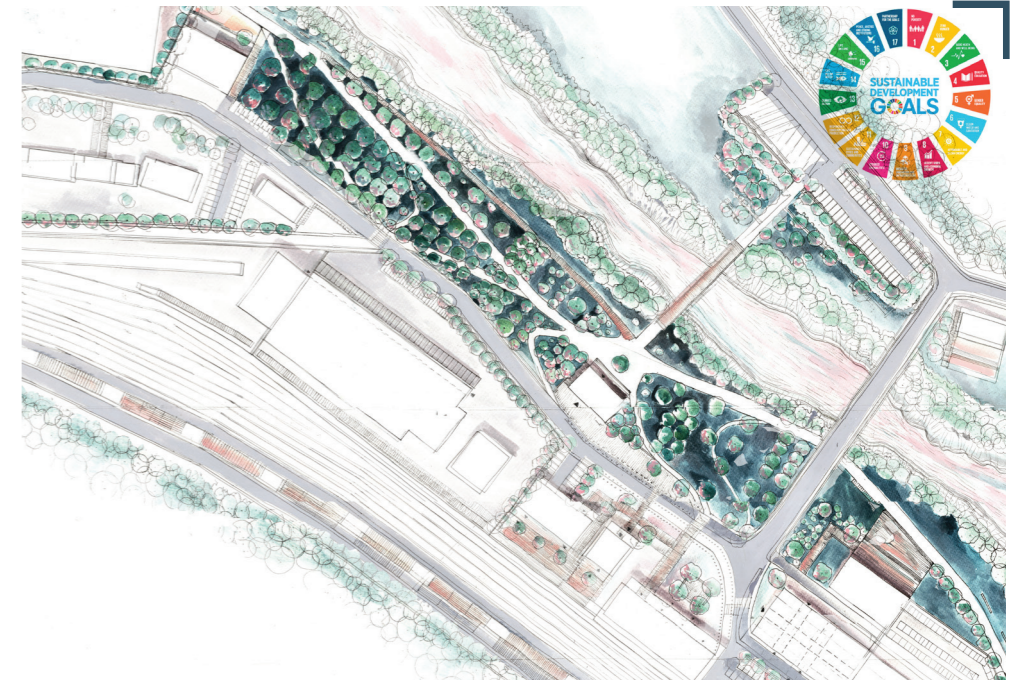
DESIGN STUDIO - EXAMPLES OF DESIGN DECISIONS BASED ON PLANNING PREMISES



Moderate development of tourism (Filipa Valenčić)



Revitalization of abandoned settlements (Doroteja Matić)



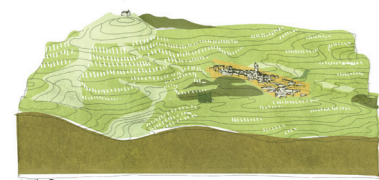
Revitalization of abandoned industrial sites (Margaux Fouquet)



Revitalization of abandoned industrial sites (Margaux Fouquet)



Re-establishment of fish-corridors (Anja Setničar)



19th Century



Nowadays



Revitalization of agriculture (Filipa Valenčić)



Polycentric development - urban renewal (Ana Benedik)

