

Country / City	Slovenia
University / School	University of Ljubljana/ Biotechnical faculty
Academic year	2017/ 18
Title of the project	Gozo Goes Green
Authors	Urška Eler, Dominik Jakša, Nika Marn, Petra Pečan, Živa Pečenko, Tom Pogačar



PERFORMATIVE NATURE

Barcelona International Landscape Architecture Biennial

September 2018 **Barcelona**

SCHOOL PRIZE

X International Landscape Architecture Biennial

Máster d'Arquitectura del Paisatge -DUOT - UPC

ETSAB- Escola Tècnica Superior

d'Arquitectura de Barcelona

Avenida Diagonal, 649 piso 5

08028 Barcelona-Spain

TECHNICAL DOSSIER

Title of the project **Gozo Goes Green**
Authors Urška Eler, Dominik Jakša, Nika Marn, Petra Pečan, Živa Pečenko, Tom Pogačar
Title of the course Le:NOTRE Student Competition: Future! Envisioning the Eco Island of Gozo in 2050. **1st PRIZE**
Academic year 2017/18
Teaching Staff dr. Nadja Penko Seidl, dr. Tomaž Pipan
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

We recognise eco-tourism and regional agriculture as mitigation strategies for the increased climate change consequences, and as the most viable approach for the spatial development of Gozo and Comino, Malta. The vision proposes new green infrastructure and landscape related principles – advocating for nature that is both ecologically performative as well as socio-economically seductive. We suggest rational exploitation of water resources, as well as promote renewable and self-sufficient energy production. At the same time, we introduce new green infrastructure through ecological land use changes, proposed on areas with weaker landscape character, prone to erosion and environmental degradation.

On these degraded areas, afforestation is suggested, in order to improve (micro) climatic conditions and soil stabilization. Afforestation also unlocks social and economic benefits as it creates new opportunities for eco-tourism and recreation. Landscape identity and characteristic landscape typologies are preserved through agro-tourism and traditional agriculture. High-technology agriculture is developed in forms of vertical and underwater farming, due to its independent, self-regulated microclimate and especially due to optimized use of water and nutrients. Problem of water deprivation is resolved by establishing a comprehensive system for seawater desalination, rainwater harvesting and wastewater recycling. Energy self-sufficiency is predominantly achieved by solar energy production, placed on solar island, main roads and rooftops. Energy is also partly produced from biogas, which is as well used for local transport needs.

For further information

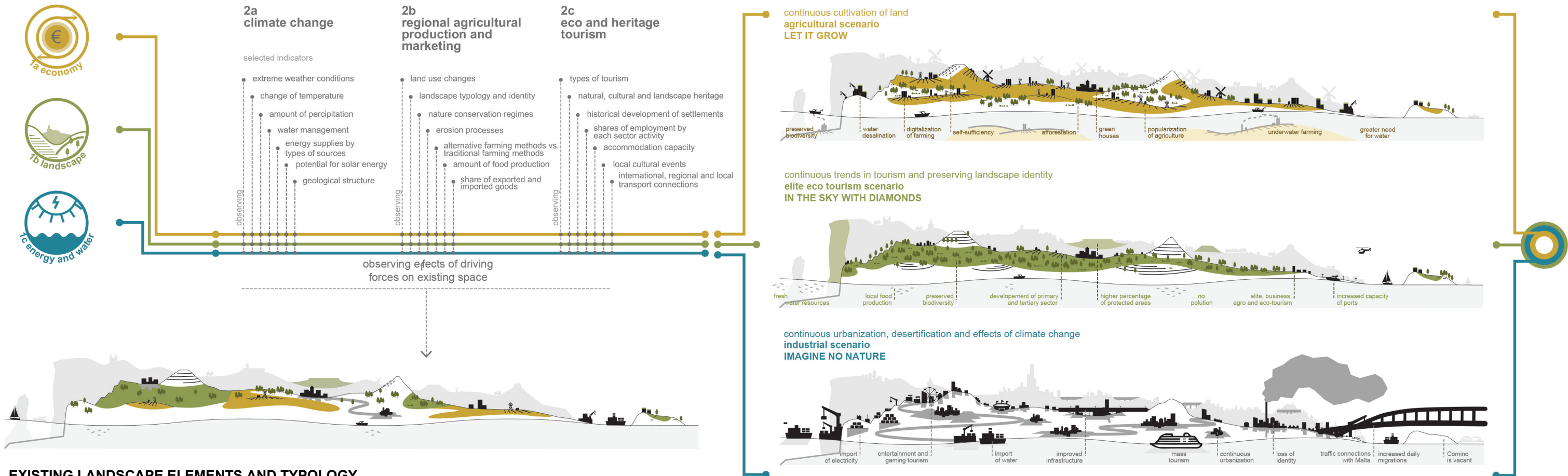
Máster d'Arquitectura del Paisatge -DUOT - UPC

T: + 34 93 401 64 11 / +34 93 552 0842

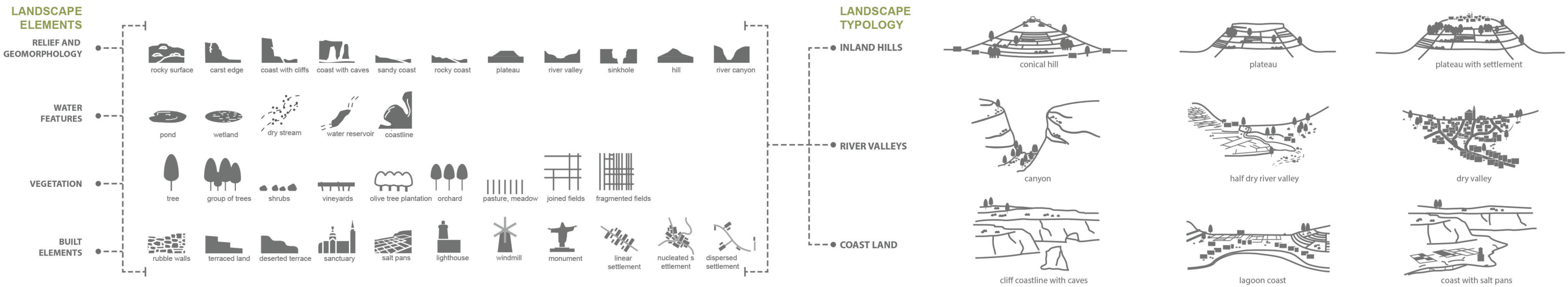
Contact via email at: biennial.paisatge@upc.edu

Consult the web page <http://landscape.coac.net/>

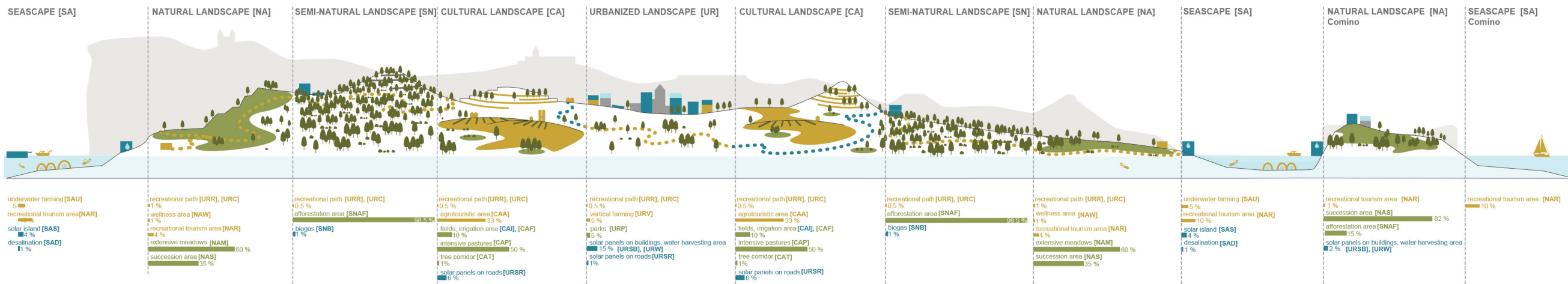
FROM ANALYSIS AND EVALUATION TO SCENARIOS

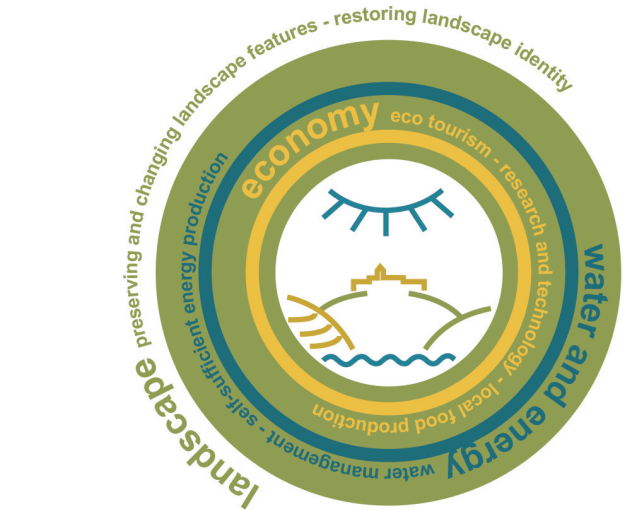


EXISTING LANDSCAPE ELEMENTS AND TYPOLOGY

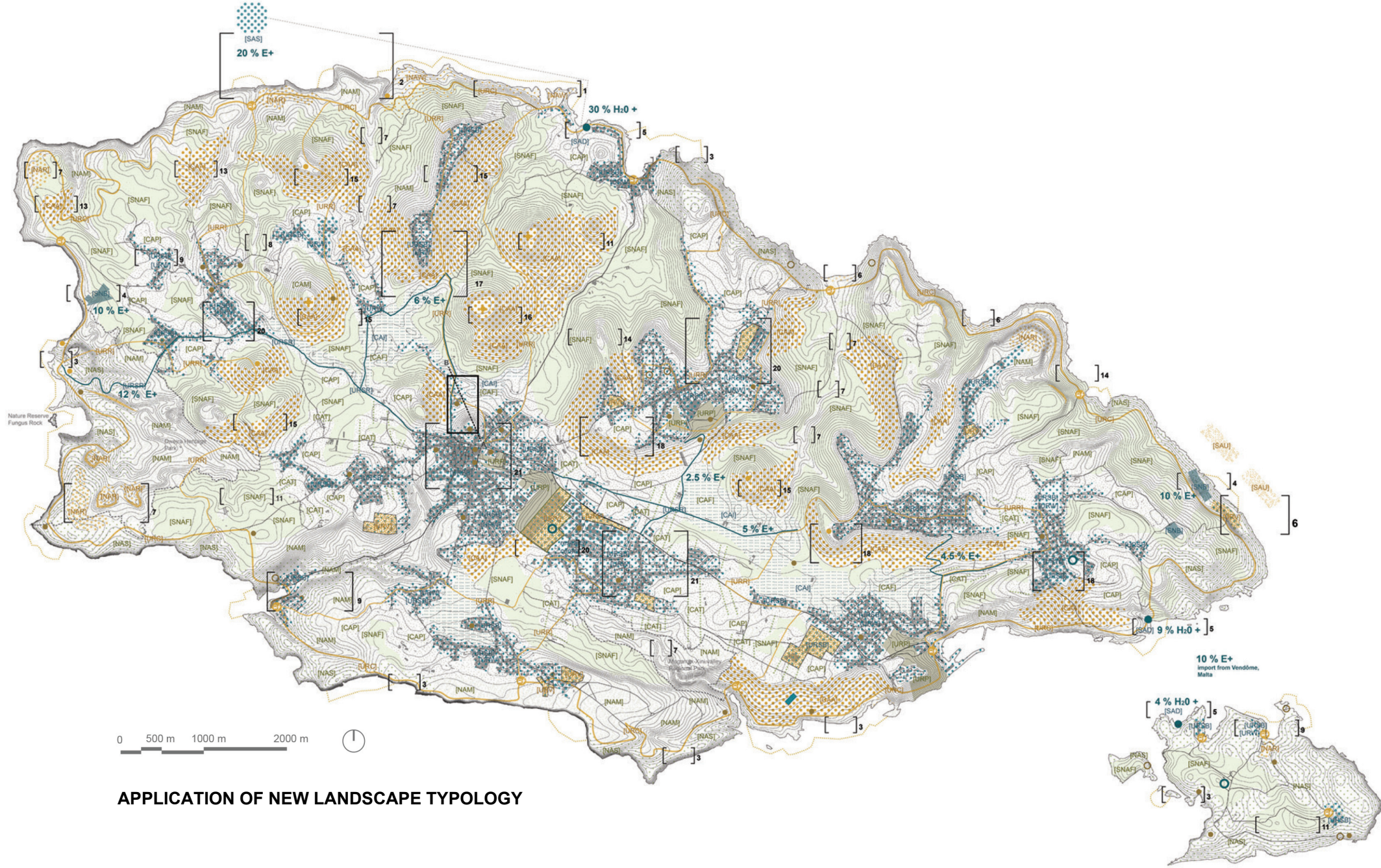


NEW LANDSCAPE PRINCIPLES

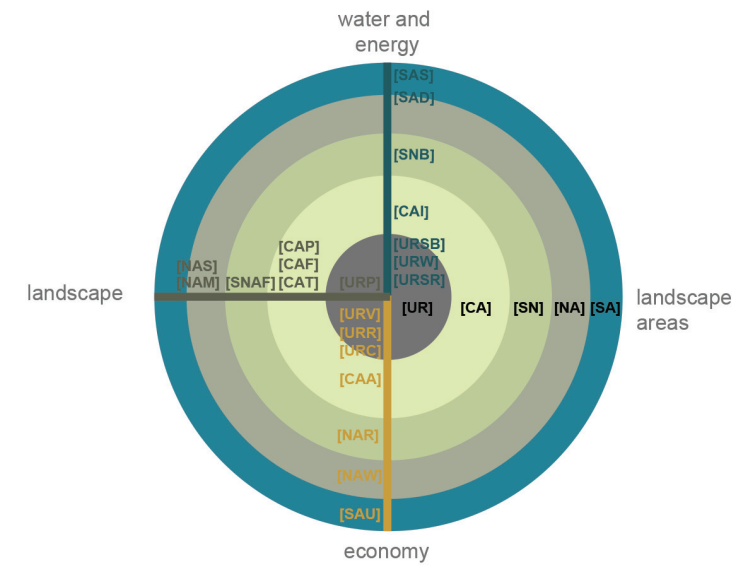




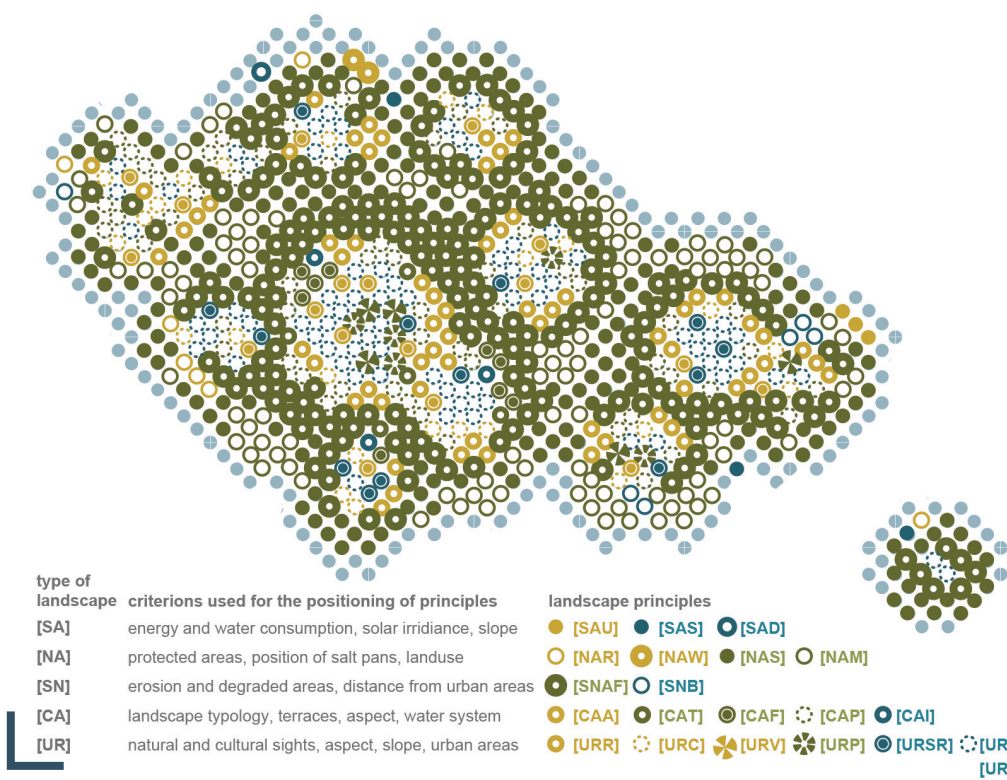
MASTERPLAN OF GOZO



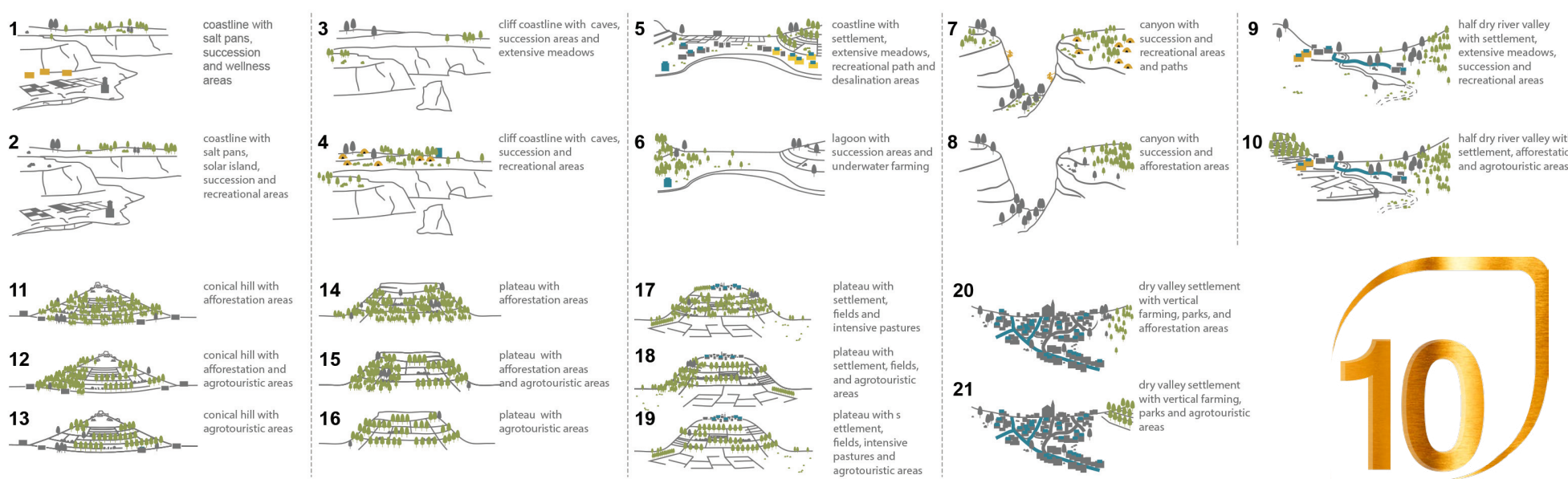
CONCEPT DEVELOPMENT



SPATIAL DISTRIBUTION OF LANDSCAPE PRINCIPLES



APPLICATION OF NEW LANDSCAPE TYPOLOGY



MASTERPLAN OF SELECTED DETAIL AND DETAILED LANDSCAPE PRINCIPLES APPLICATION

