

LANDSCAPE CHARACTERIZATION OF THE UUSIMAA REGION

UPDATING THE FINNISH METHOD



Country / City	Finland
University / School	Aalto University School of Arts Design and Architecture
Academic year	2017
Title of the project	Landscape Characterization of the Uusimaa Region: Updating the Finnish Method
Authors	Pihla Sillanpää, Juhana Havas



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	Landscape Characterization of the Uusimaa Region: Updating the Finnish Method
Authors	Juhana Havas, Pihla Sillanpää
Title of the course	Basics of GIS
Academic year	2017
Teaching Staff	Juanjo Galan
Department/Section/Program of belonging	Department of Architecture, Master Landscape Architecture
University/School	Aalto University, School of Arts, Design and Architecture

The scope of traditional landscape characterization methods is limited to the non-urban realm. While the European Landscape Convention has broadened the concept of landscape character to include built components in the landscape definition, methodologies to characterize such in-between landscapes are scarce.

The objective of the studio course was to maximize the use of GIS software in the definition of landscape units, character areas, regional networks and to explore existing or new methods for Landscape Characterization.

The Uusimaa region located on the south coast of Finland is home to around 1.6 million inhabitants – 30 percent of the country's total population. It also contains the only metropolitan area in Finland. The methodological approach developed particularly for this project involved identifying territories within the Uusimaa region where urban and rural areas merge, forming so-called 'hybrid' landscapes that currently fall outside the scope of characterization methods. In order to identify the landscape character areas, both quantitative and qualitative methods were used.

For further information

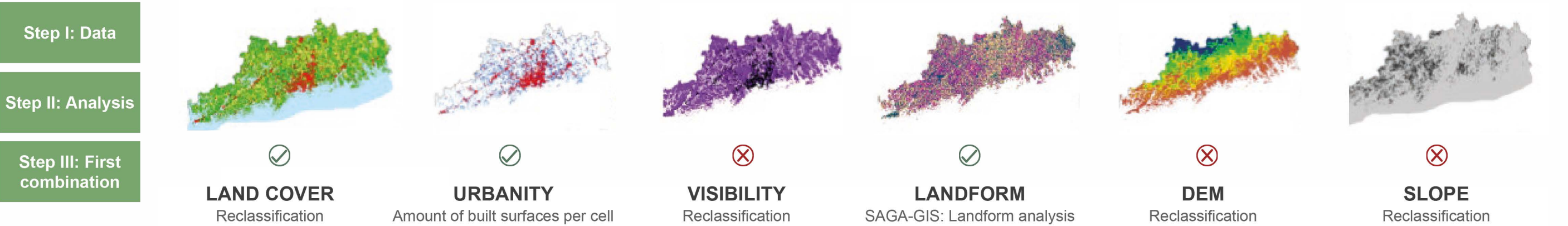
Máster d'Arquitectura del Paisatge -DUOT - UPC

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

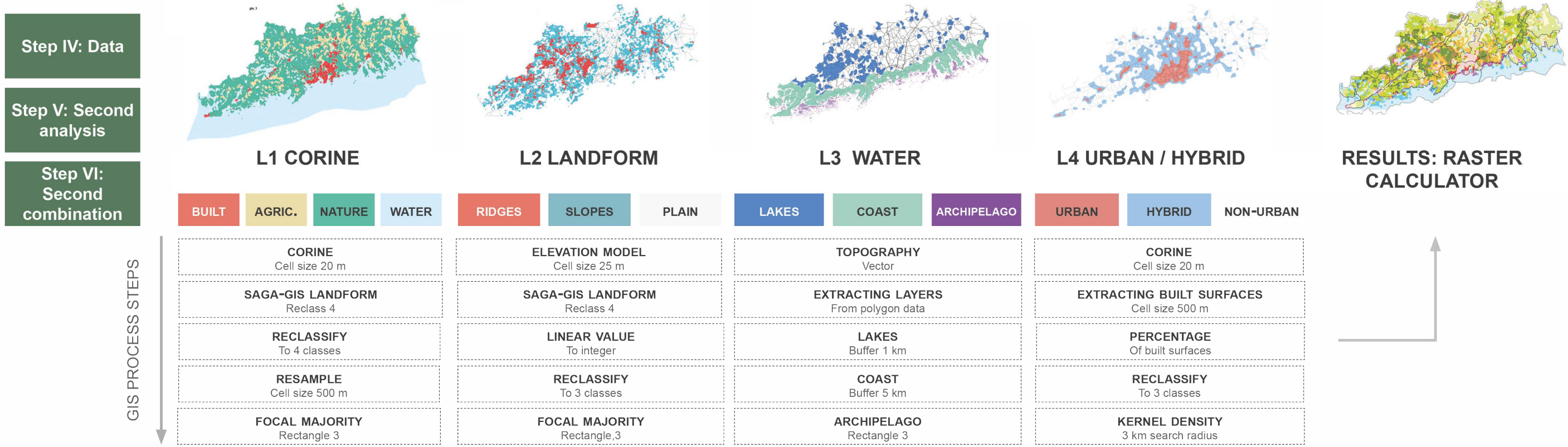
Contact via email at: biennial.paisatge@upc.edu

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

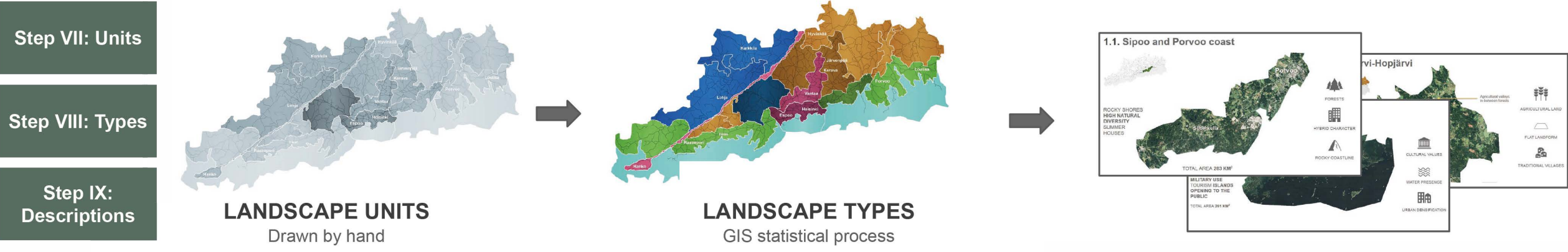
1. GIS ANALYSIS PROCESS DESCRIPTION



2. RECLASSIFYING DATA



3. DIVISION TO LANDSCAPE UNITS



RESULT: LANDSCAPE UNITS

1. COASTAL LANDSCAPES

HYBRID

1.1 Sipoo and Porvoo hybrid coast

NON-URBAN

1.2 Tammissaari-Inkoo-Kirkkonummi coast

1.3 Tenala coastal area

1.4 Porvoo and Loviisa coastal area

2. ARCHIPELAGO

NON-URBAN

2.1 Western archipelago

2.2 Eastern archipelago

URBAN

2.3 Helsinki and Espoo archipelago

3. HILLY LAKES AND FOREST AREAS

NON-URBAN

3.1 Lohja lake uplands

3.2 Nuuksio lake uplands

3.3 Karkkila lakes and forests

4. AGRICULTURAL AND FOREST MOSAICS

HYBRID

4.1 Central Uusimaa agricultural and residential mosaics

NON-URBAN

4.2 Johannesburg forest and agricultural mosaics

4.3 Siuntio valley depression

4.4 Northern field and forests mosaic

4.5 Porlammi-Vanhakylä ridge

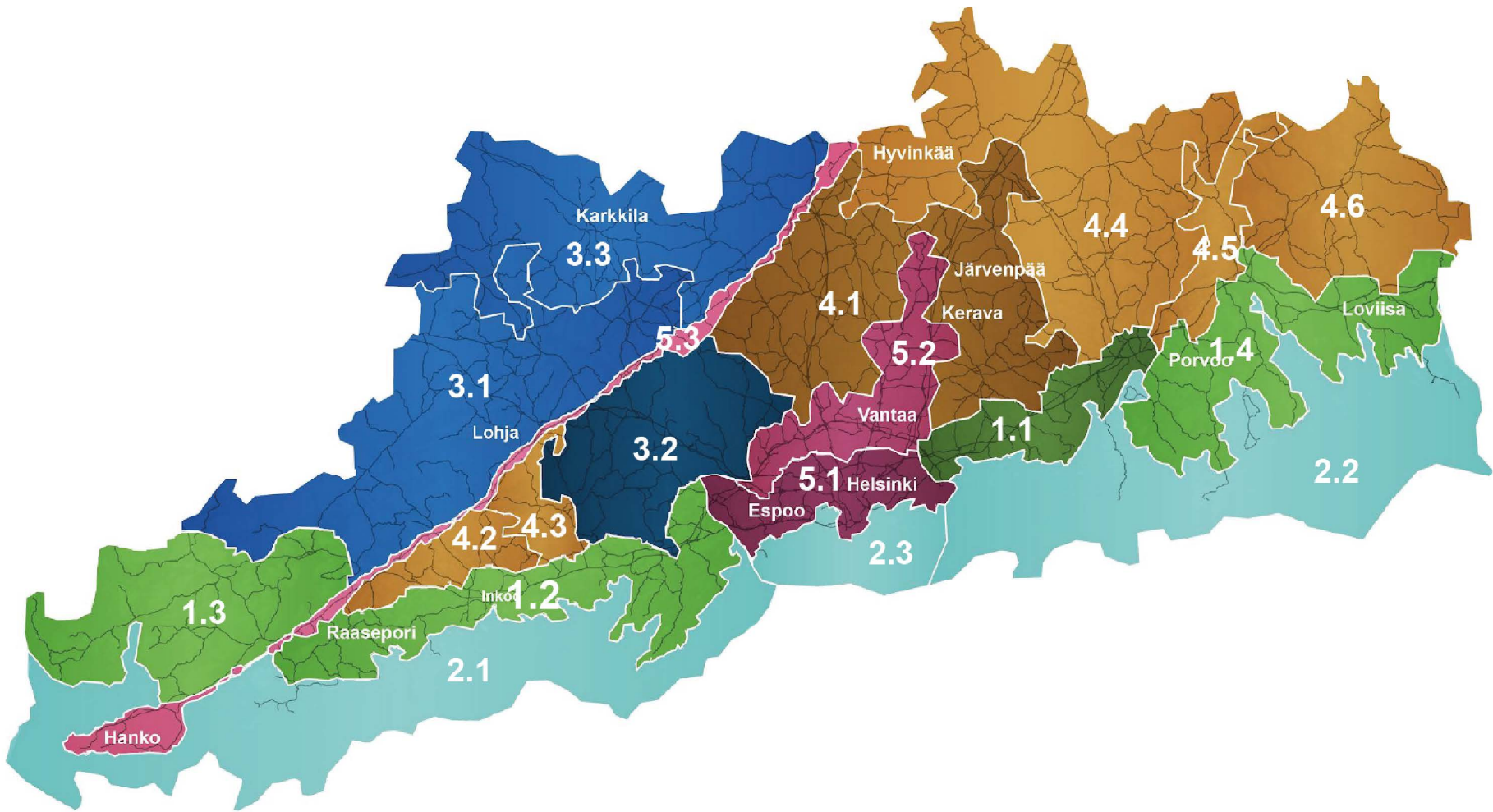
4.6 Lapinjärvi and Hopjärvi valley depression

5. MIXED RESIDENTIAL LANDSCAPES

5.1 Helsinki and Espoo urban coast

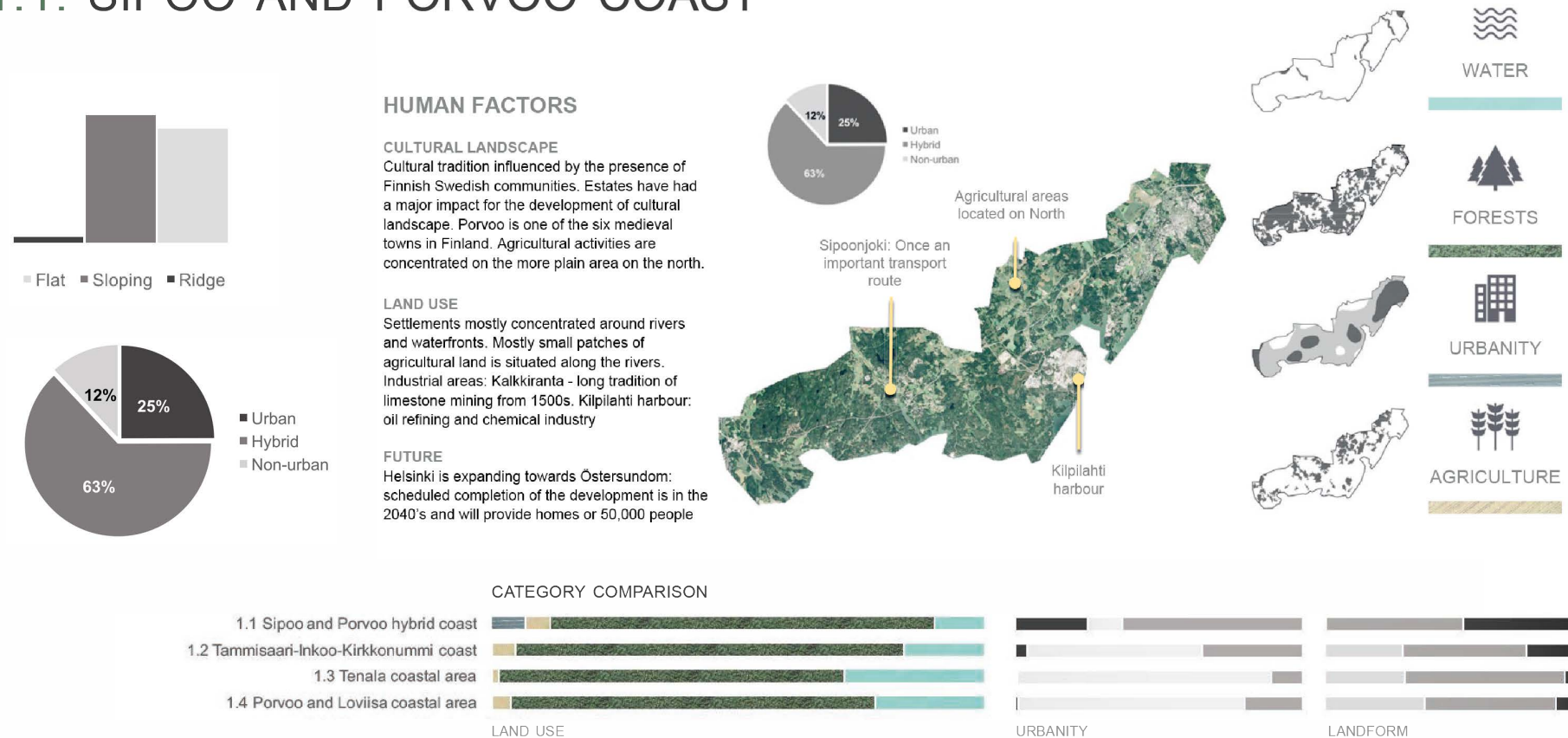
5.2 Vantaa-Järvenpää expanding residential area

5.3 Salpausselkä



AREA COMPARISON

1.1. SIPOO AND PORVOO COAST



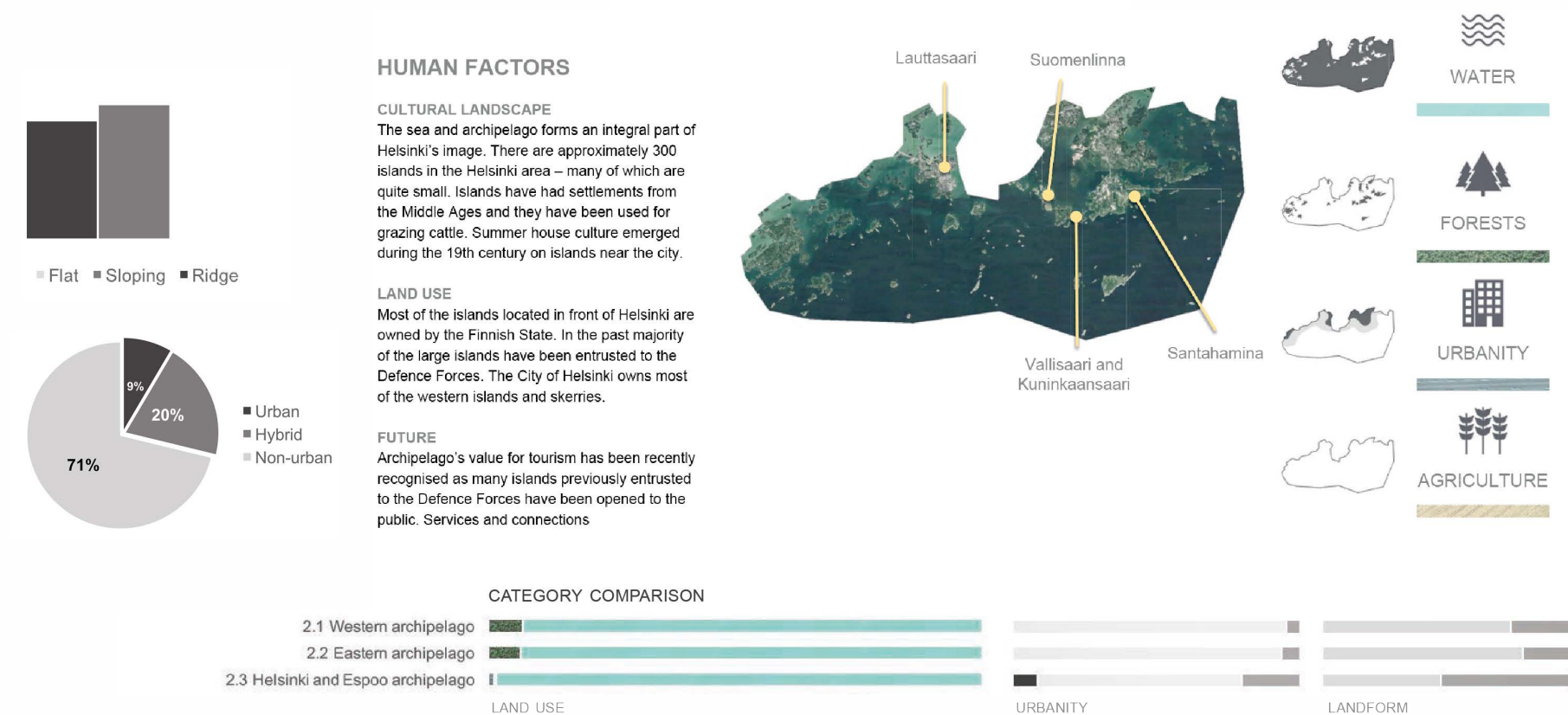
Old town, a dense medieval street pattern with predominantly wooden houses (nationally remarkable built cultural heritage)

Inhabited since the stone age

Porvoonjoki was a route of commerce



2.3. HELSINKI AND ESPOO ARCHIPELAGO



The Swedish crown commenced the construction of the fortress in 1748 as protection against Russian expansionism

Suomenlinna World Heritage Site

