LANDSCAPE CHARACTERIZATION OF THE UUSIMAA REGION



Finland
Aalto University School of Arts Design and Architecture
2017
Landscape Characterization of the Uusimaa Region: Updating the Finnish Method
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 Charcaterization.

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

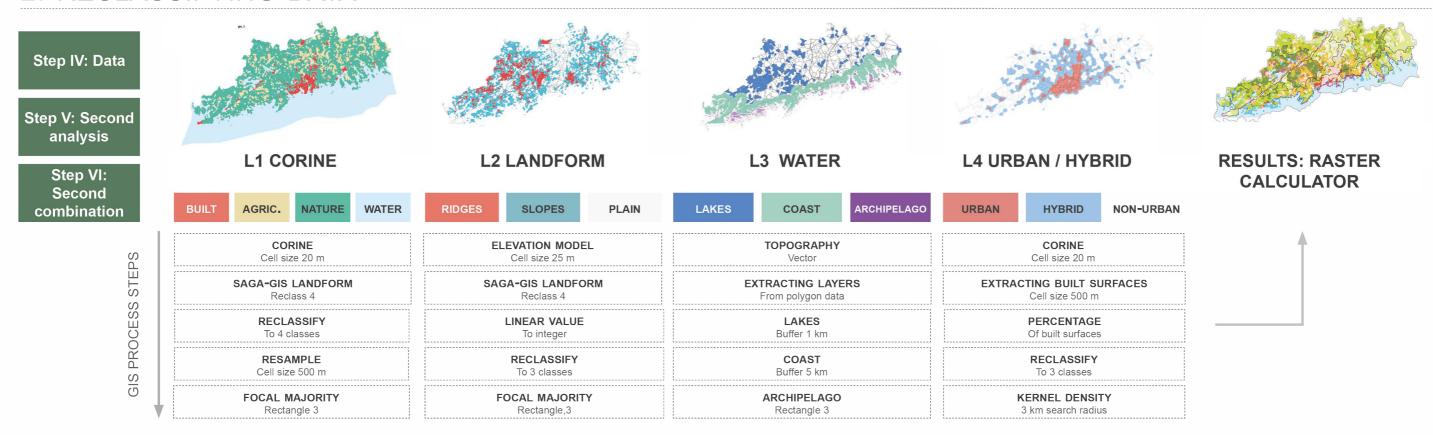
Máster d'Arquitectura del Paisatge -DUOT - UPC

T: + 34 93 401 64 11 / +34 93 552 0842 Contact via email at: biennal.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 Tammisaari-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

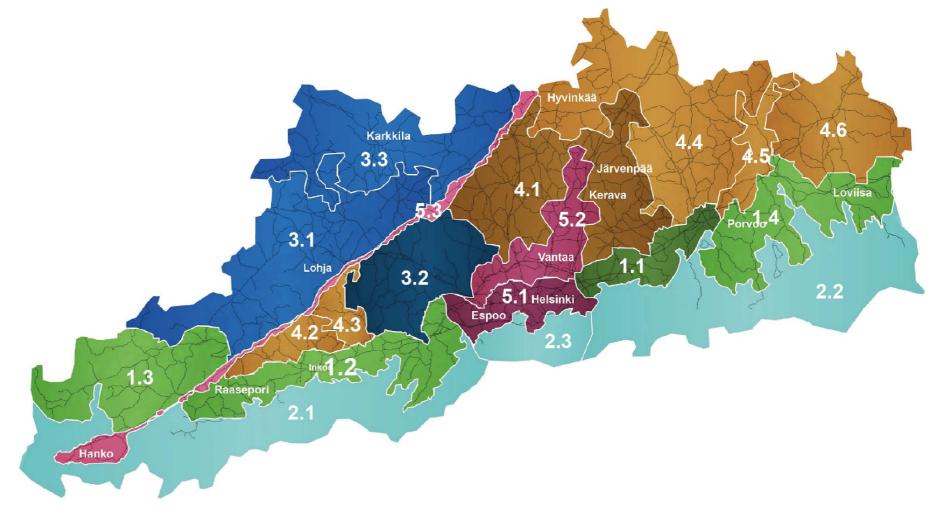
4.1 Central Uusimaa agricultural and residential mosaics

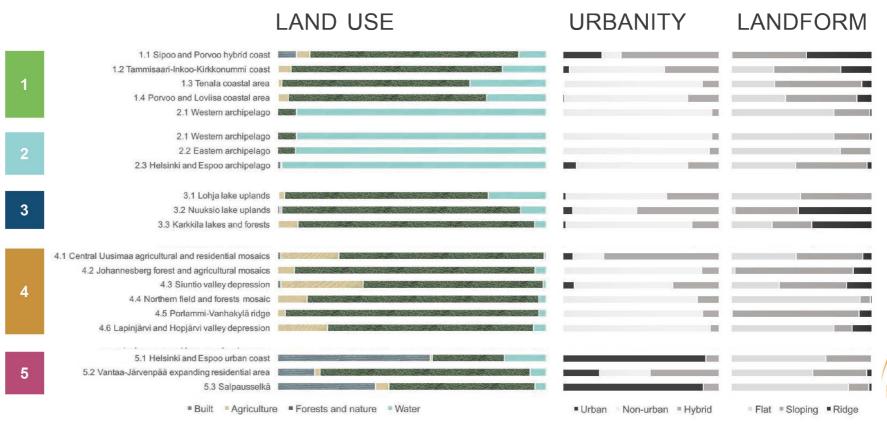
NON-URBAN

- 4.2 Johannesberg 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

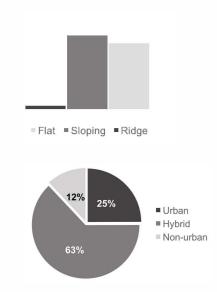
- 5.1 Helsinki and Espoo urban coast
- 5.2 Vantaa-Järvenpää expanding residential area
- 5.3 Salpausselkä





AREA COMPARISON

1.1. SIPOO AND PORVOO COAST



HUMAN FACTORS

CULTURAL LANDSCAPE

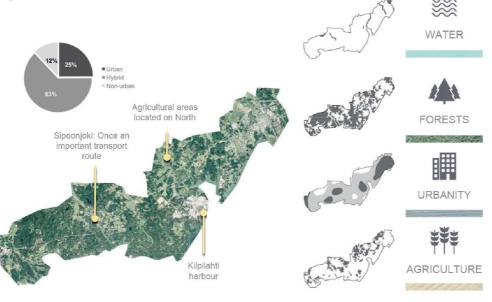
Cultural tradition influenced by the presence of Finnish Swedish communities. Estates have had a major impact for the development of cultural landscape. Porvoo is one of the six medieval towns in Finland. Agricultural activities are concentrated on the more plain area on the north.

LAND USE

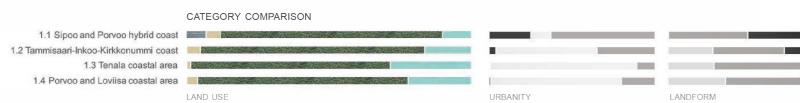
Settlements mostly concentrated around rivers and waterfronts. Mostly small patches of agricultural land is situated along the rivers. Industrial areas: Kalkkiranta - long tradition of limestone mining from 1500s. Kilpilahti harbour: oil refining and chemical industry

FUTURE

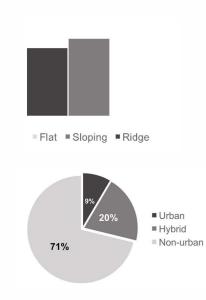
Helsinki is expanding towards Östersundom: scheduled completion of the development is in the 2040's and will provide homes or 50,000 people







2.3. HELSINKI AND ESPOO ARCHIPELAGO



HUMAN FACTORS

CULTURAL LANDSCAPE

The sea and archipelago forms an integral part of Helsinki's image. There are approximately 300 islands in the Helsinki area – many of which are quite small. Islands have had settlements from the Middle Ages and they have been used for grazing cattle. Summer house culture emerged during the 19th century on islands near the city.

LAND USE

Most of the islands located in front of Helsinki are owned by the Finnish State. In the past majority of the large islands have been entrusted to the Defence Forces. The City of Helsinki owns most of the western islands and skerries.

FUTURE

Archipelago's value for tourism has been recently recognised as many islands previously entrusted to the Defence Forces have been opened to the public. Services and connections

