

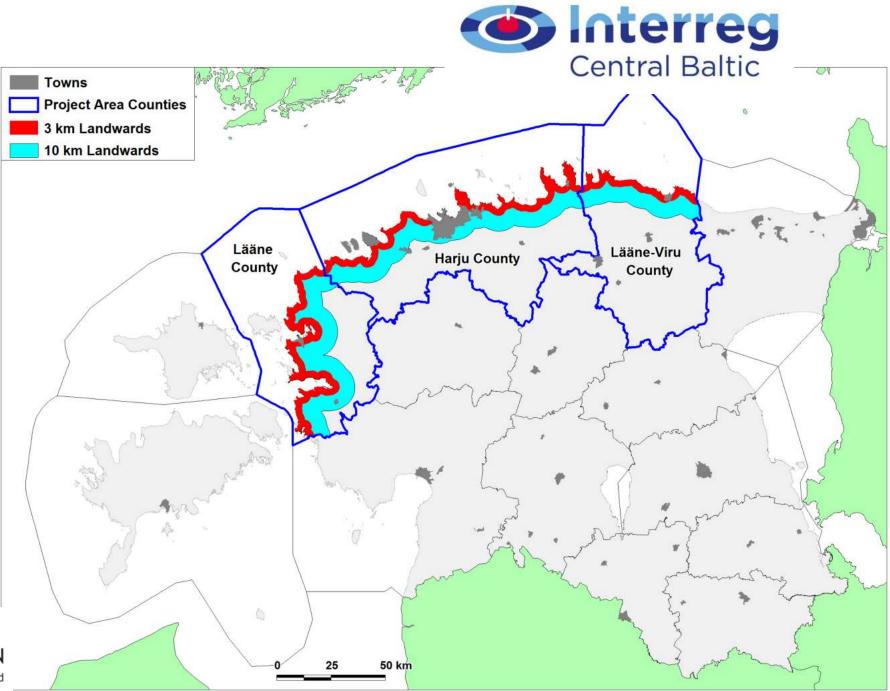
High Nature and Cultural Heritage Values with the Challenge of Marginalisation

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Estonian project area with possible buffers towards inland





Phase one – Integrating available data



4 sets of thematic maps were produced for project area (3 counties) containing cartographic information from several available sources:

- High value nature areas
- Land/Sea use
- Marginalization and sparsely populated areas
- Cultural Heritage



SustainBaltic High value nature areas Interreg



Several layers were incorporated, mainly originating from Environmental Register

The natural habitat of a protected animal, plant or fungus species

Woodland key habitat

Species' protection site

The spawning site of salmon or river lamprey

Strict nature reserve

Protected area

Conservation zone

Limited management zone

Limited-conservation area

Karst area

Nitrate sensitive area

Green network

West Estonian Archipelago Biosphere Reserve

Natura nature and bird area

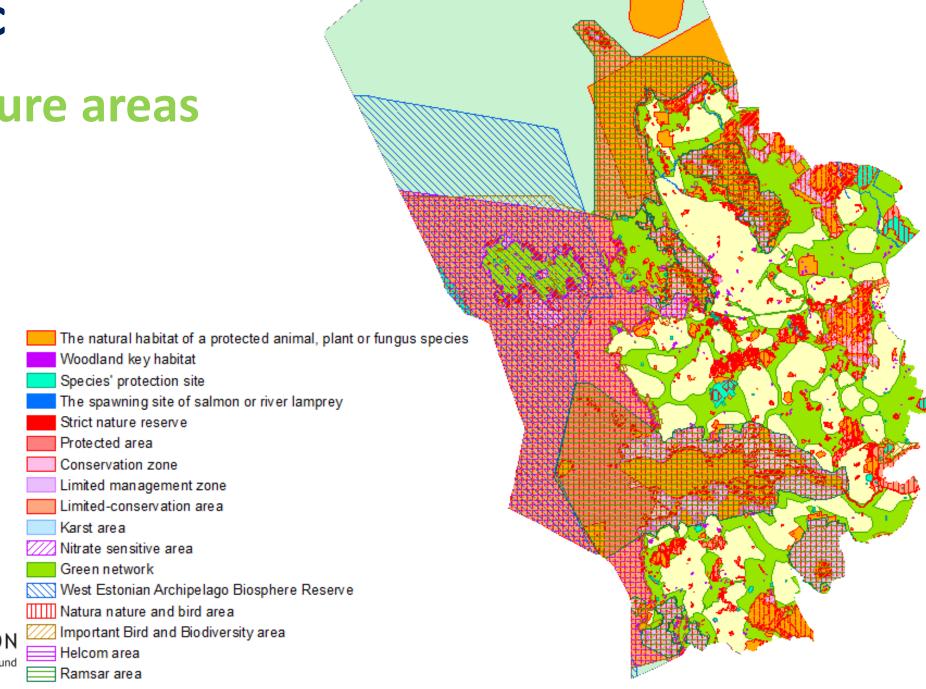
Important Bird and Biodiversity area

Helcom area

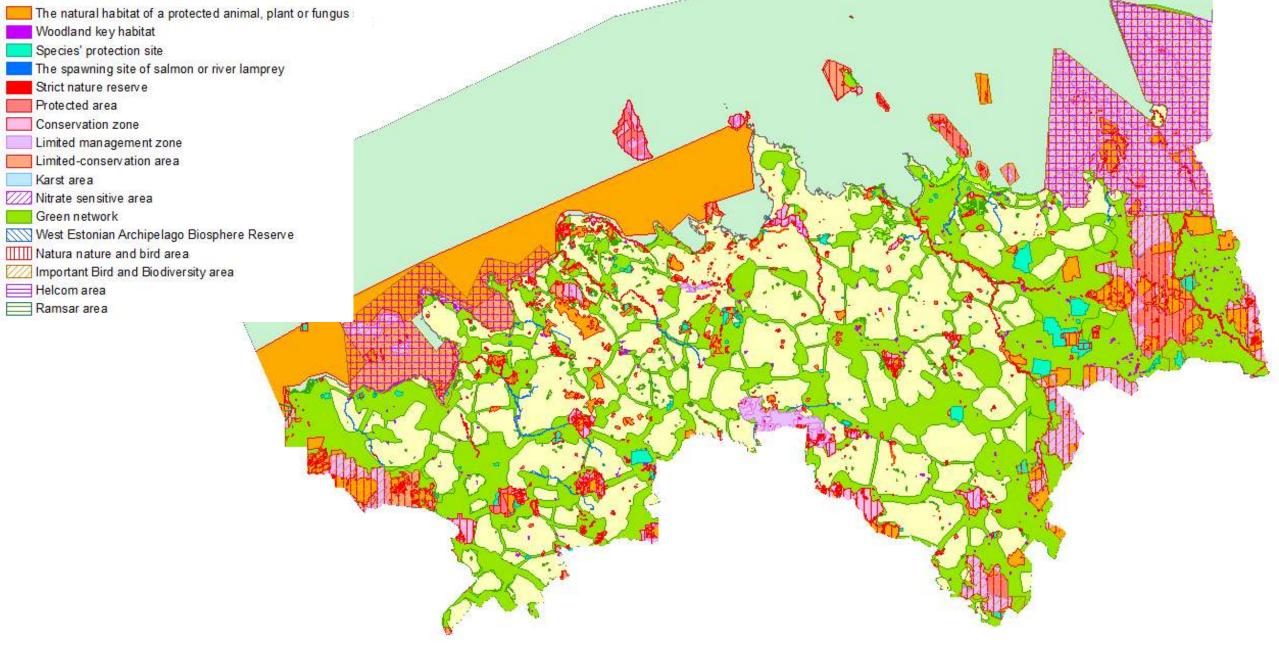
Ramsar area



High value nature areas Lääne County



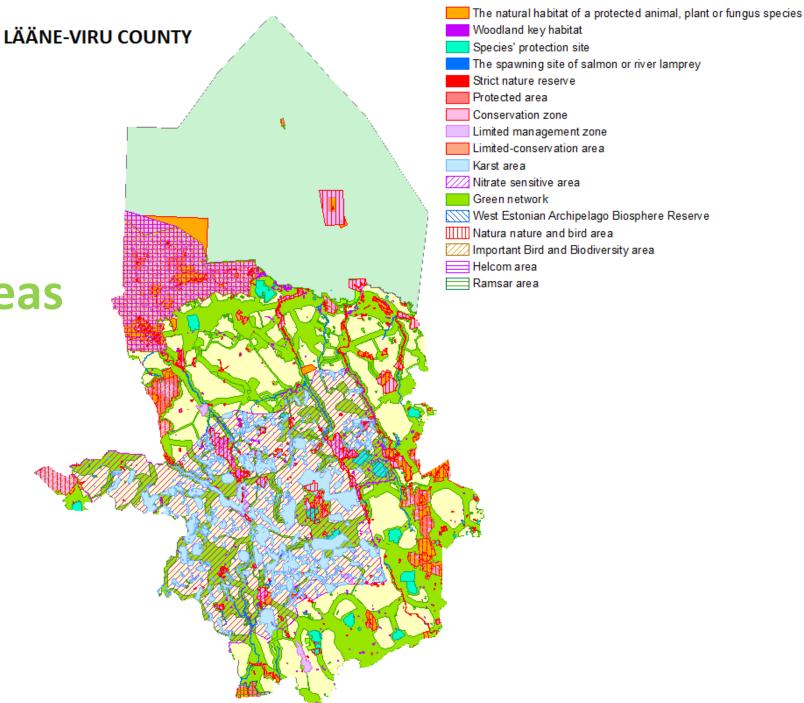




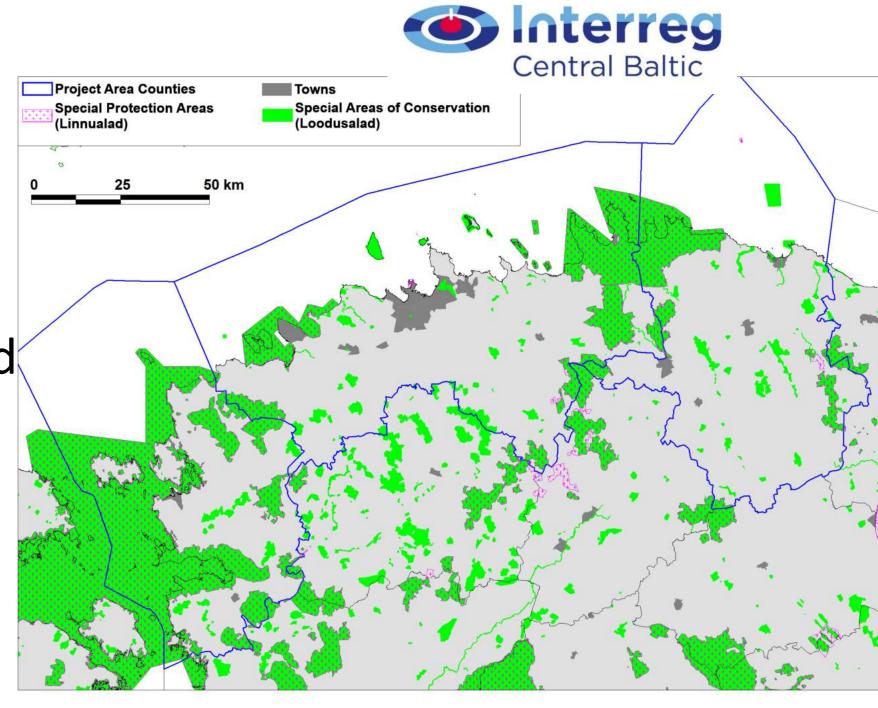
High value nature areas, Harju County

High value nature areas Lääne-Viru County

> EUROPEAN UNION European Regional Development Fund



More than 50% of Lääne County's sea area is covered by Natura 2000 SPAs & SACs





Land/Sea use



Several layers were incorporated, mainly originating Estonian **Basic Map and Mineral** Resources Map (Estonian Landboard), Nautical charts (Maritime Administration)

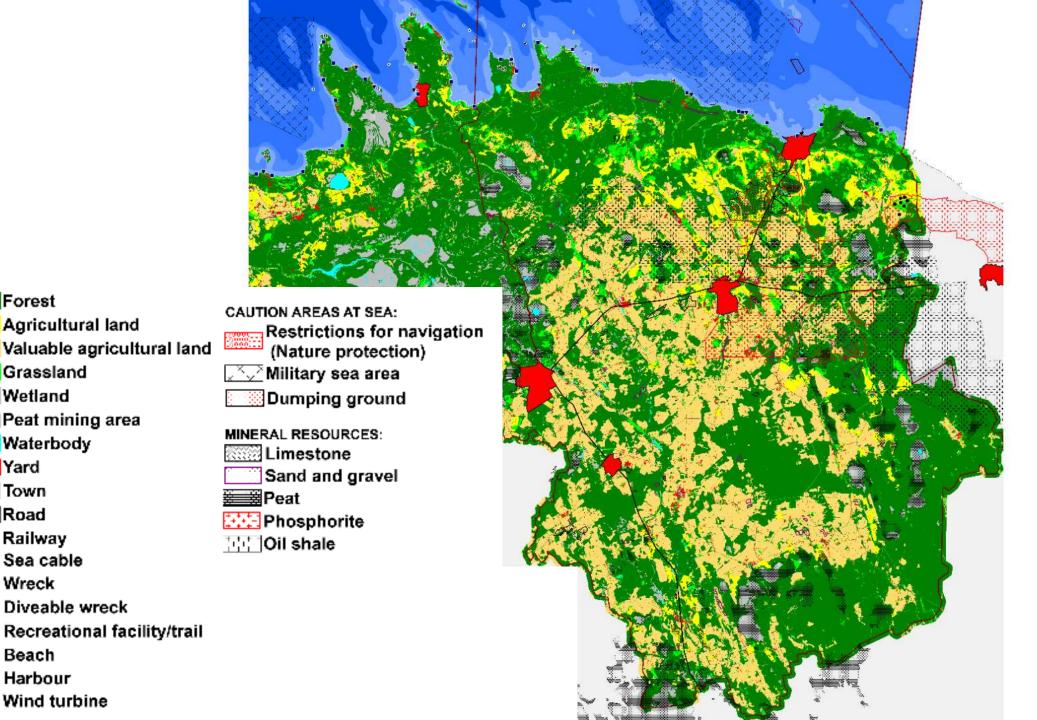


Harbour

Wind turbine

CAUTION AREAS AT SEA: Restrictions for navigation (Nature protection) 💹 Military sea area Dumping ground MINERAL RESOURCES: Limestone Sand and gravel Peat Phosphorite Oil shale





Forest

Grassland

Waterbody

Wetland

Yard

Town

Road

Railway

Beach Harbour

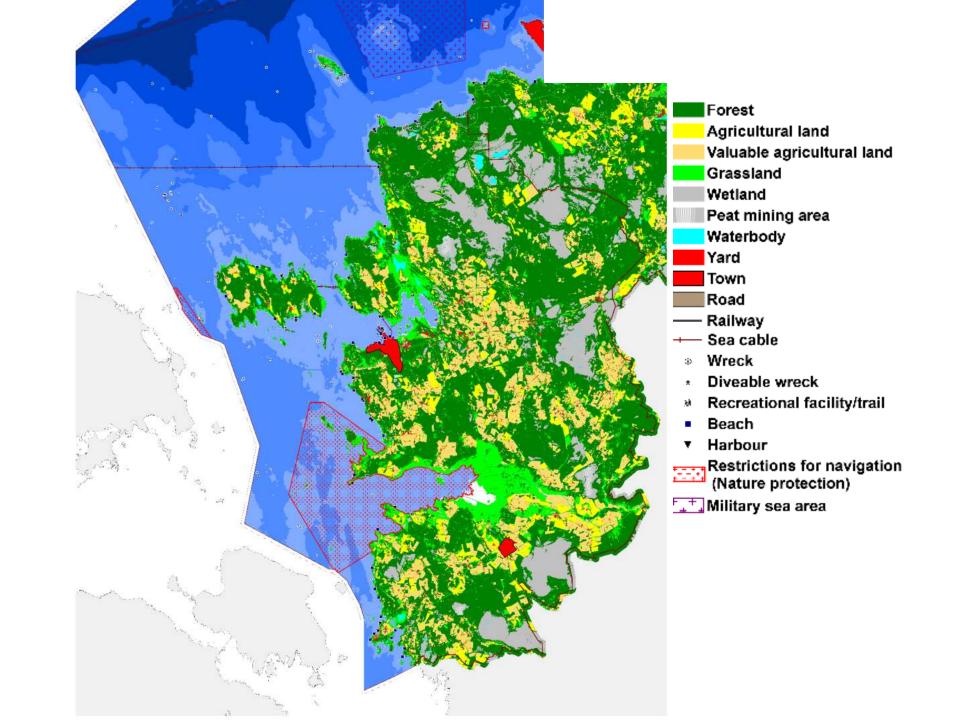
Sea cable Wreck

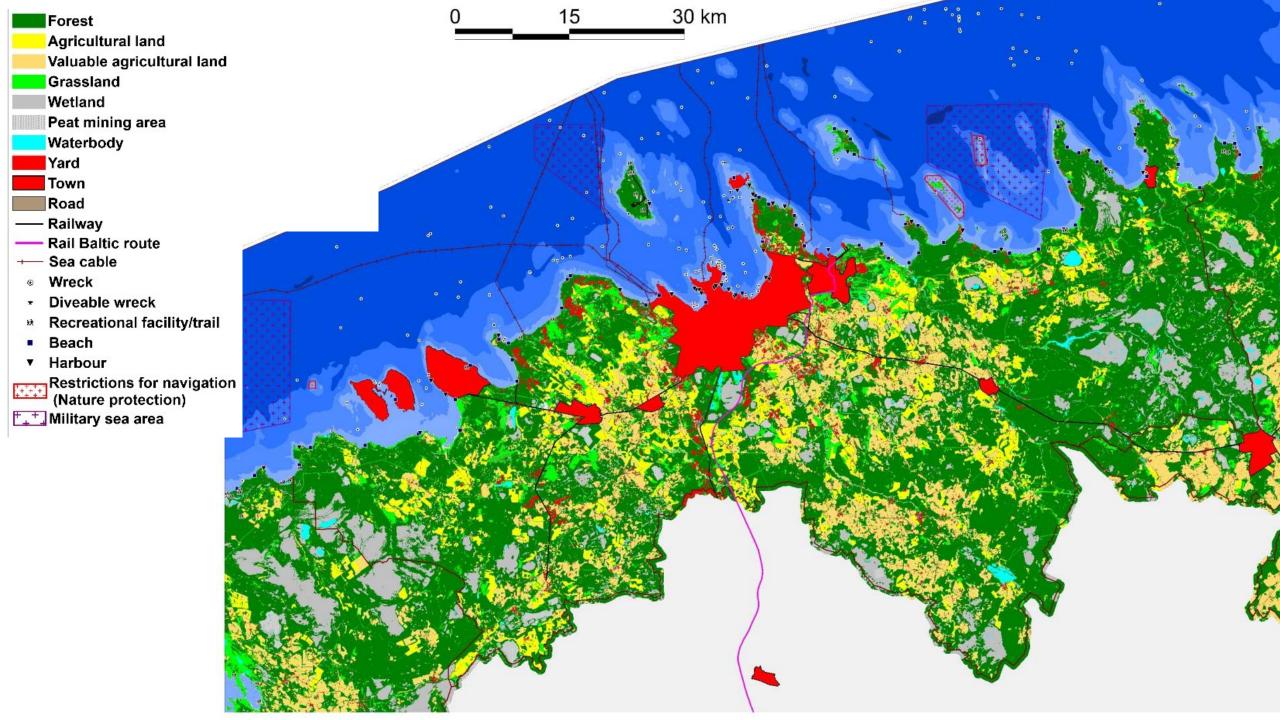
Diveable wreck

Wind turbine

Agricultural land

Peat mining area



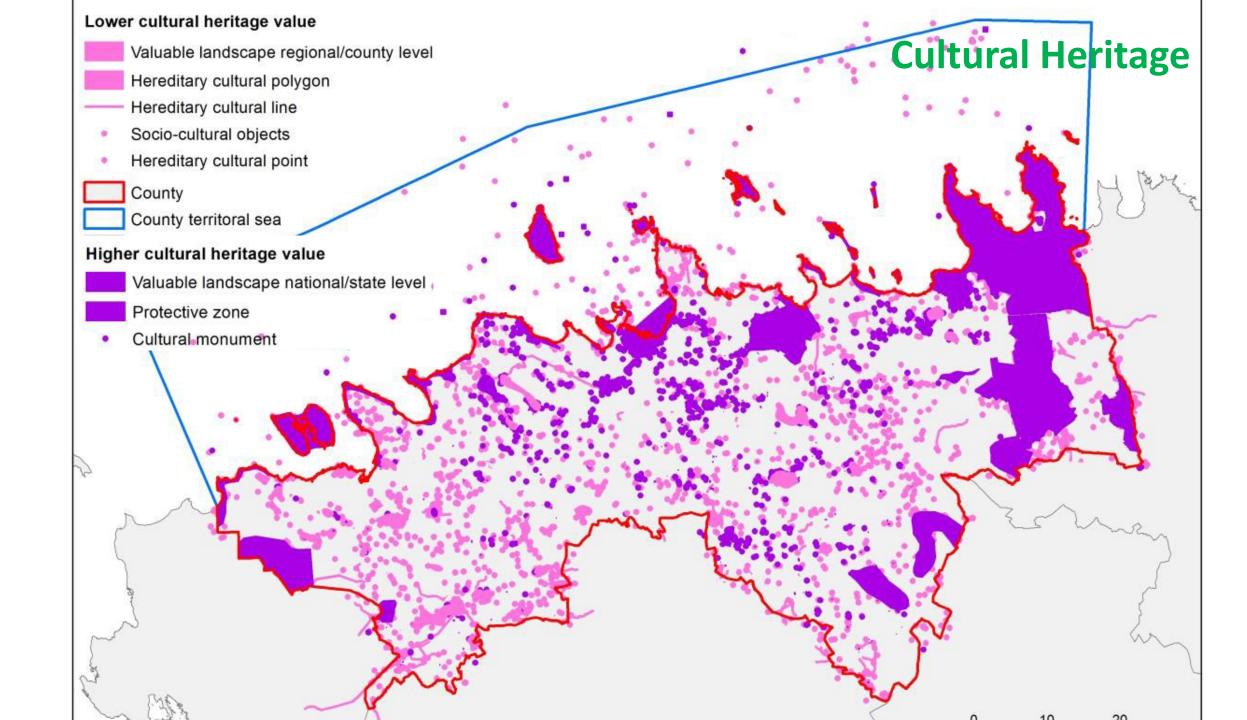


Cultural Heritage

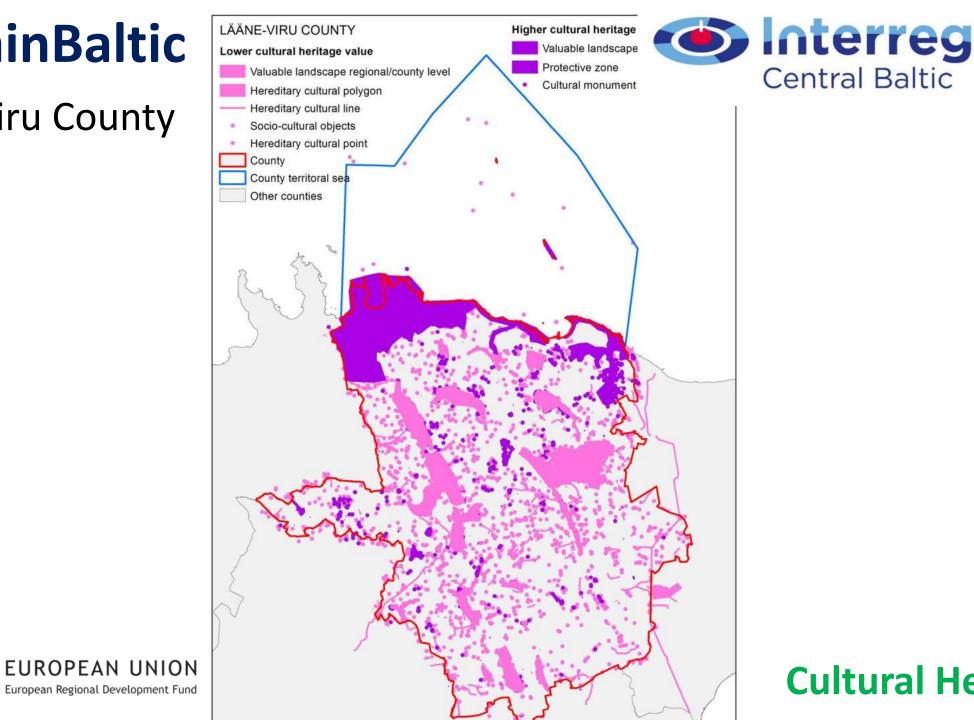


 Integrated data from different sources (RMK, National Heritage Board of Estonia, Ministry of Finance, County plans)



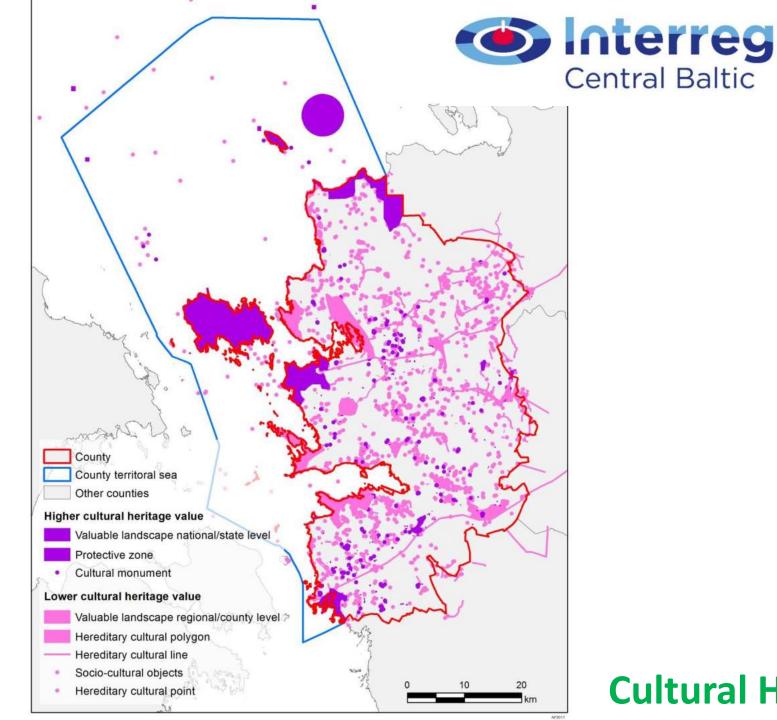


Lääne-Viru County





Lääne County





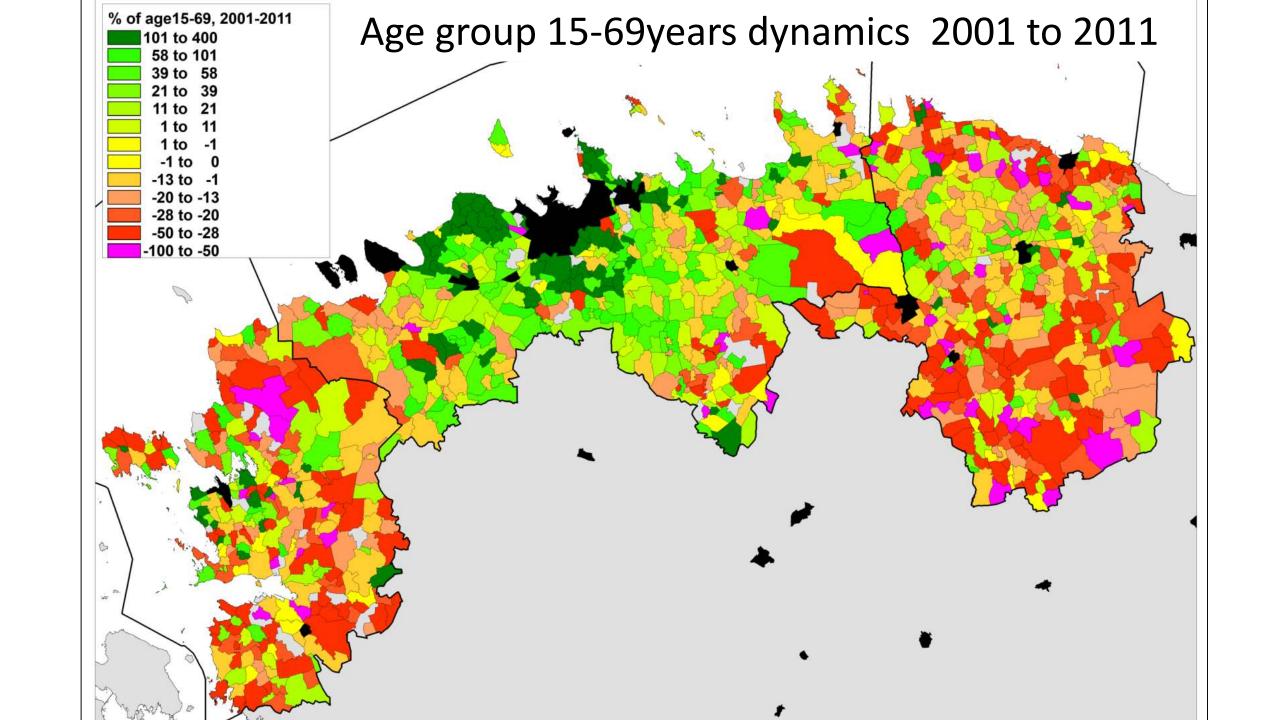
Cultural Heritage

Marginalization, sparsely populated areas



Datasets derived from Estonian Statistics
 Censuses data from 2001 and 2011
 containing demographic information



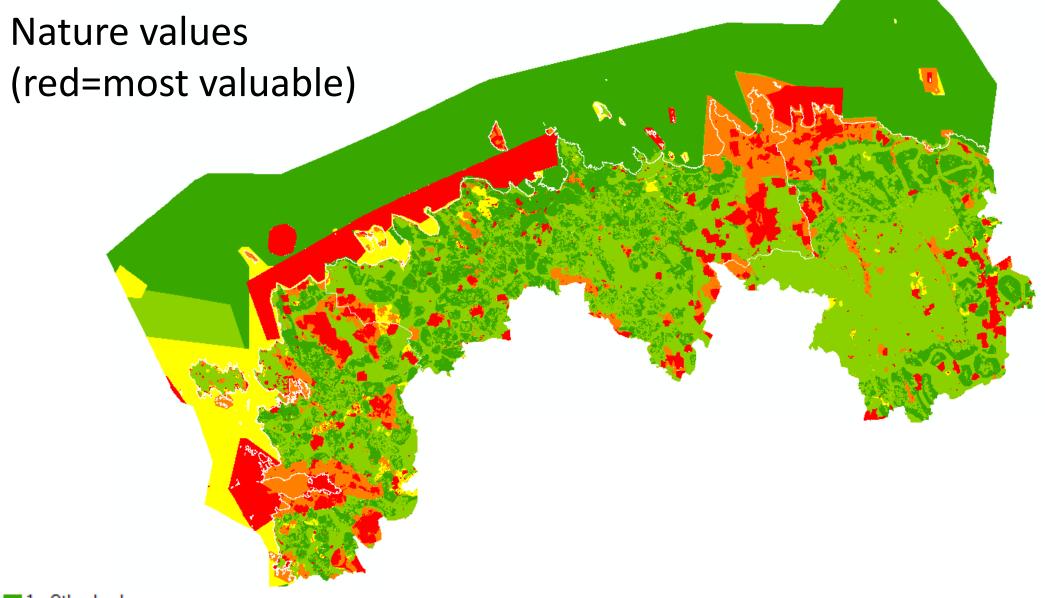


Phase two – generating basis for test areas selection

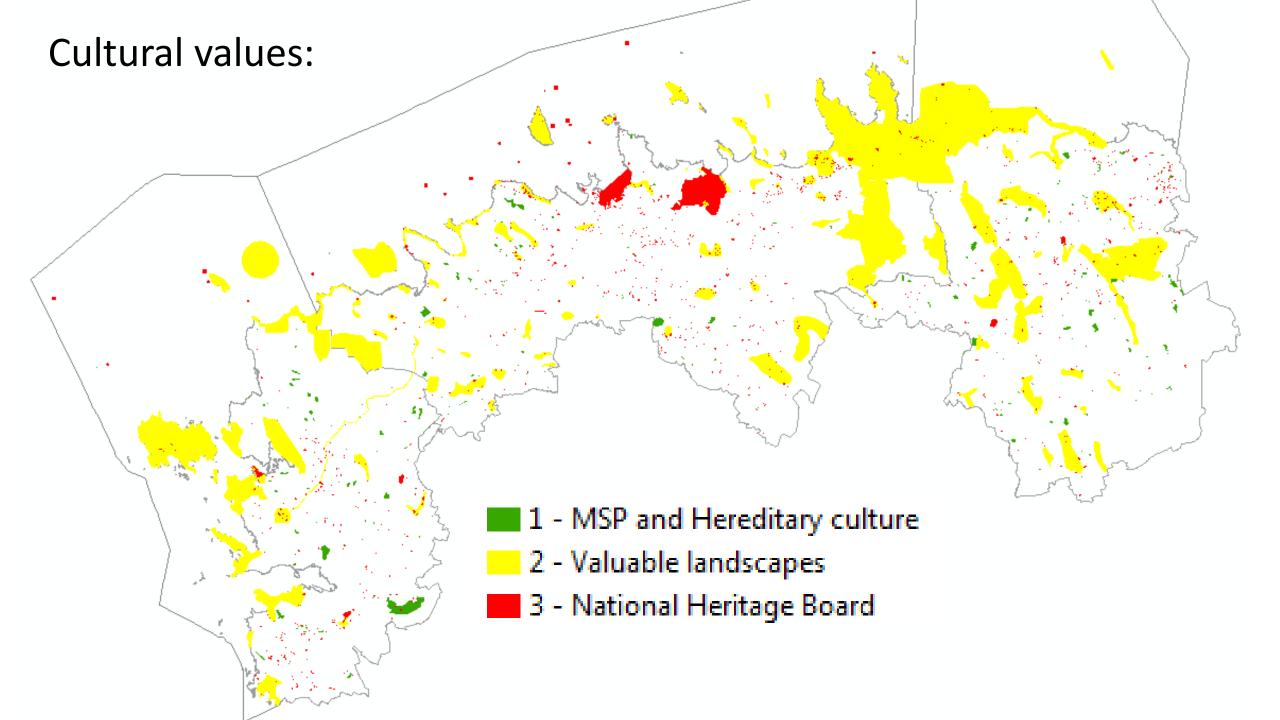


- To generate basis for testareas selection 4 input maps were generated with classes
- As output is map of areal features, several impact areas bufferzones were generated for point and line elements in this proces





- 1 Other landuse
- 💶 2 Green network, nitrate sensitive area, karst area, valueable arable land, international protected areas (Natura habitats, bird and nature areas, biosphere reserve, IBA, Helcom, Rams
- 3 Limited-conservation area, spawning area, planned protection area or protection zone
- 💻 4 Limited management zone, managed conservation zone, woodland key habitat, protection zone for animal, plant and fungus species in the protected category 🎞 🛚
- 5 Strict nature reserve, wilderness conservation zone, species' protection site, protection zone for animal, plant and fungus species in the protected categories I and II

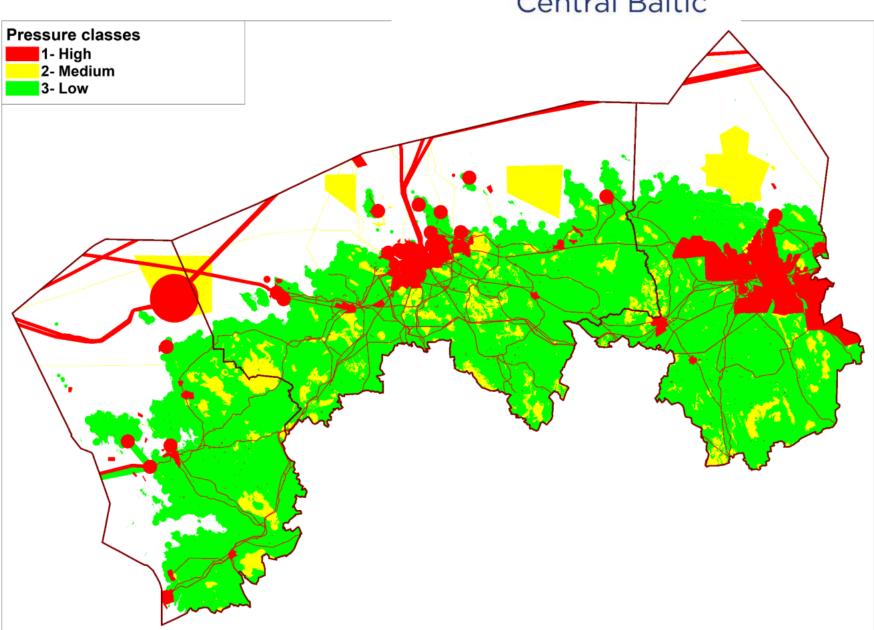


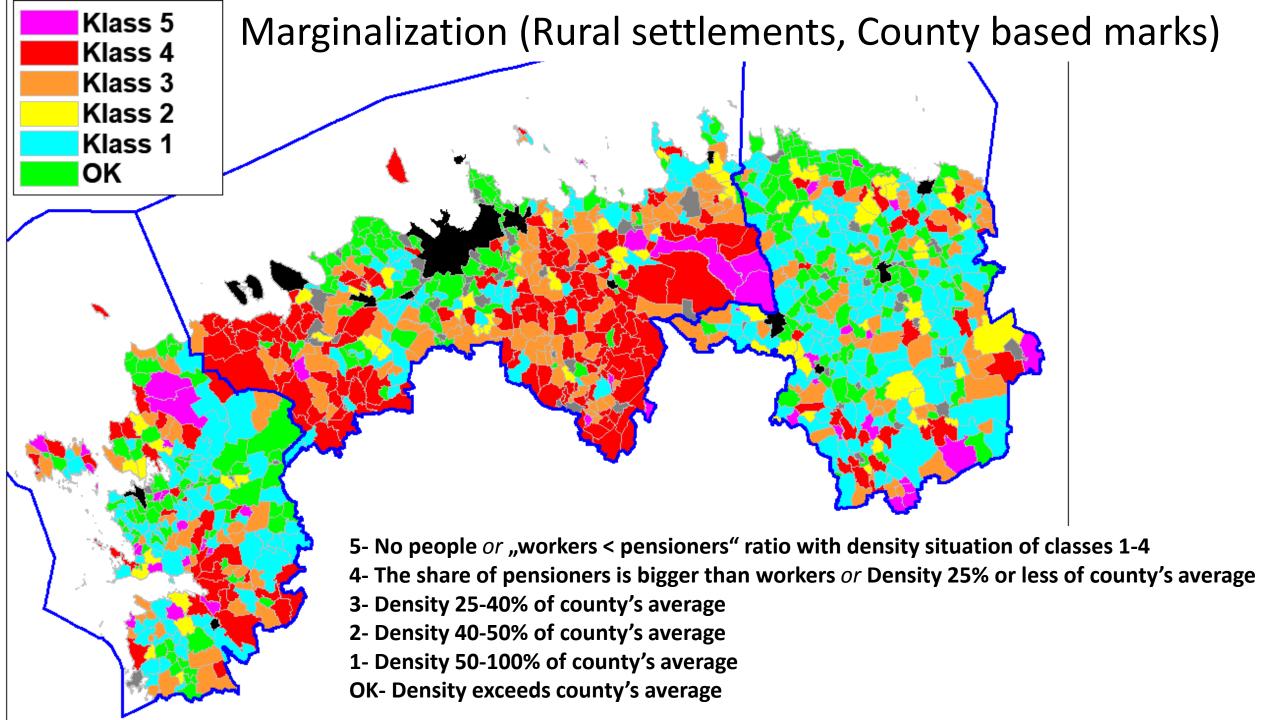


Pressure factors:

Class 1- Towns, industrial areas, Powerlines (110kV+), big harbours, "Hard" minerals, wind turbiines, big road Class 2- "Mild" minerals, pipelines and cables, military areas at sea Class 3- Villages, forest, wetland, field, grassland, recreational sites, iceroad, small harbours, waterbody



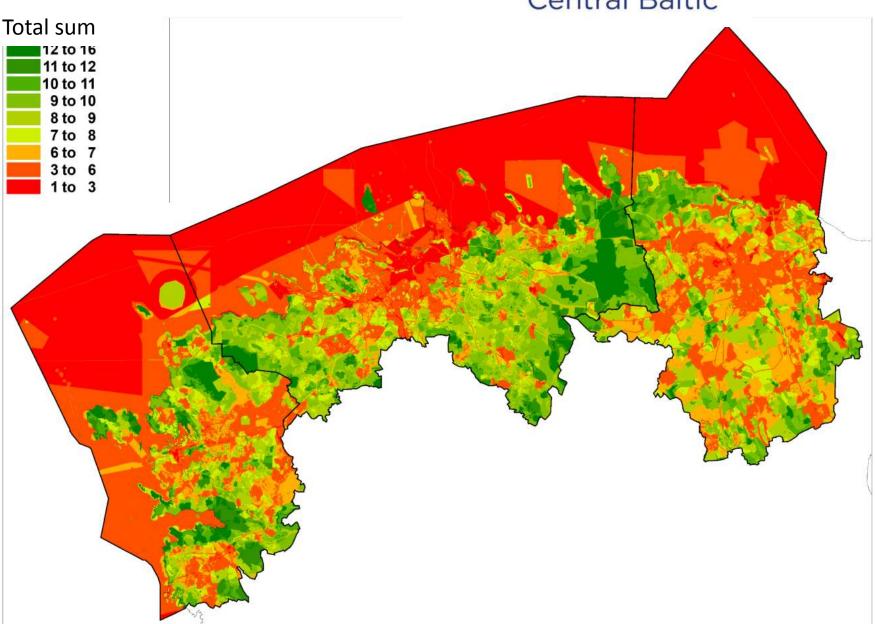






Compiled suitability mapGreen= more suitable

- What we were looking for?
Areas with high nature
value, demographic
problems, cultural values
and lower econmical
pressure (more traditional)



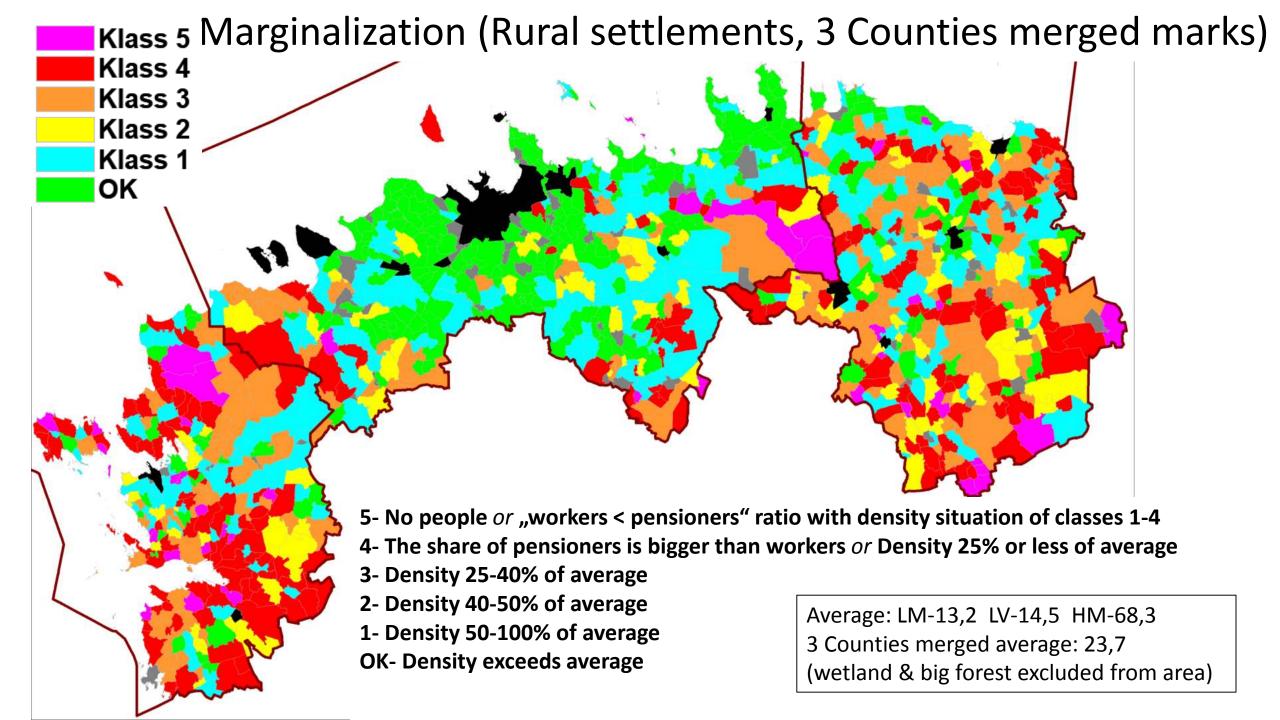


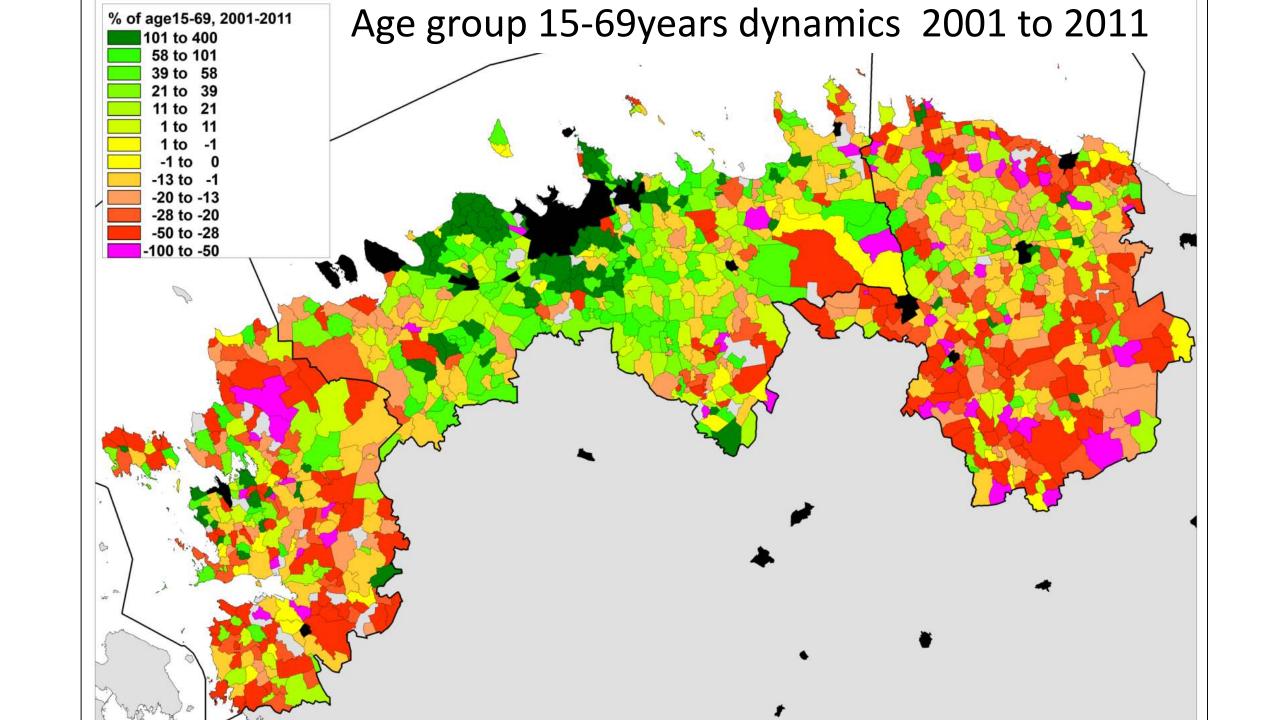
Phase two – generating basis for testareas selection

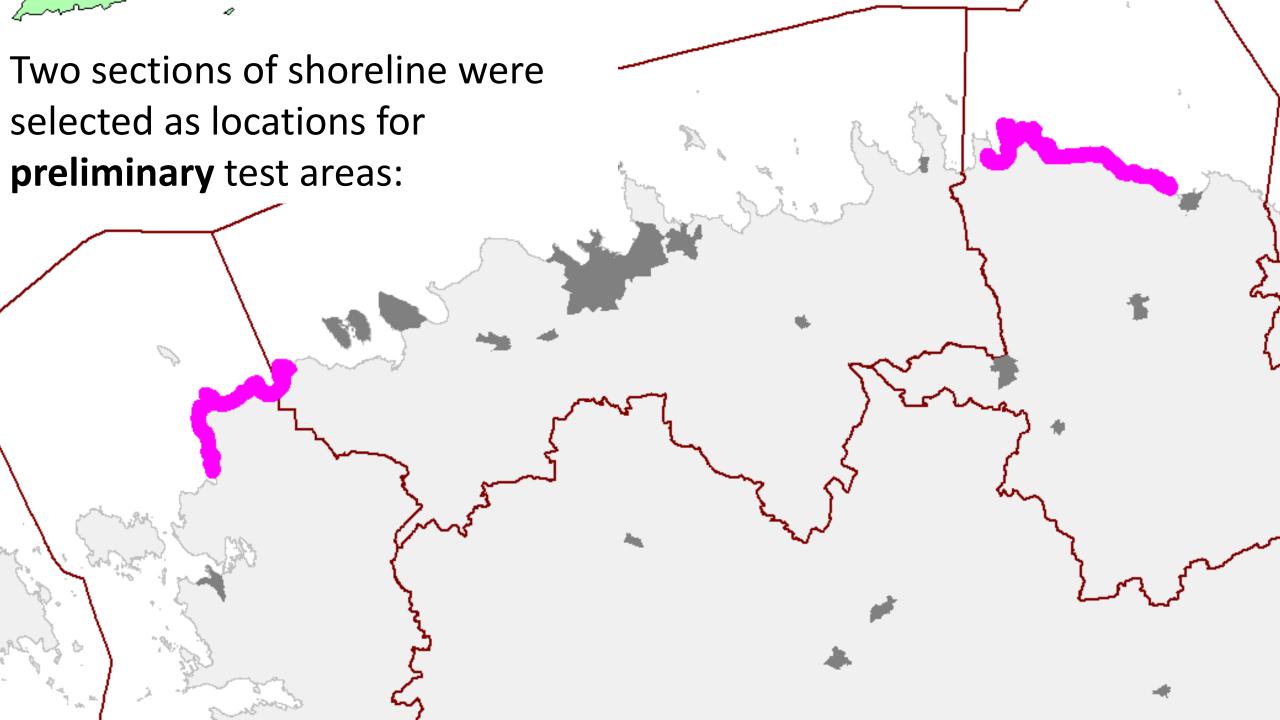


- Estonian partners of the project are supposed to select two testareas for ICZM zonation
- As Harjumaa is not typical Estonian county testareas should be located in Lääne-Virumaa and Läänemaa (2/3 (60625 of 88215) of the Project area village's population is located in Harjumaa)



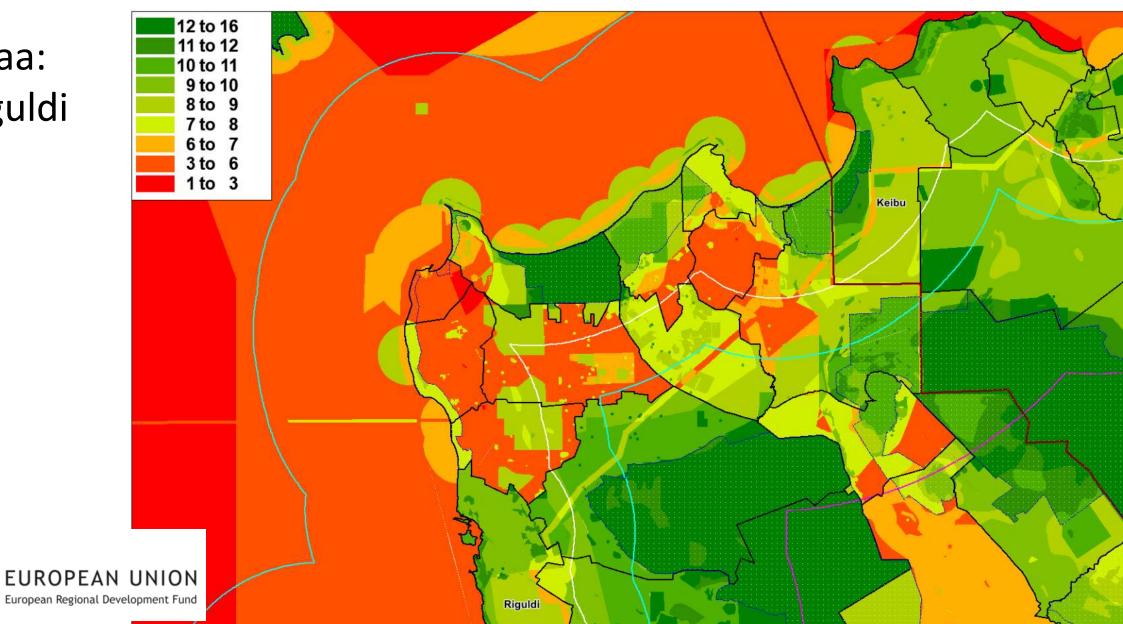








Läänemaa: from Riguldi to Keibu





Läänemaa test area:

- Protected area versus tourism as neighbour
- Crossborder situation and administrative difference (Keibu is from Harjumaa)

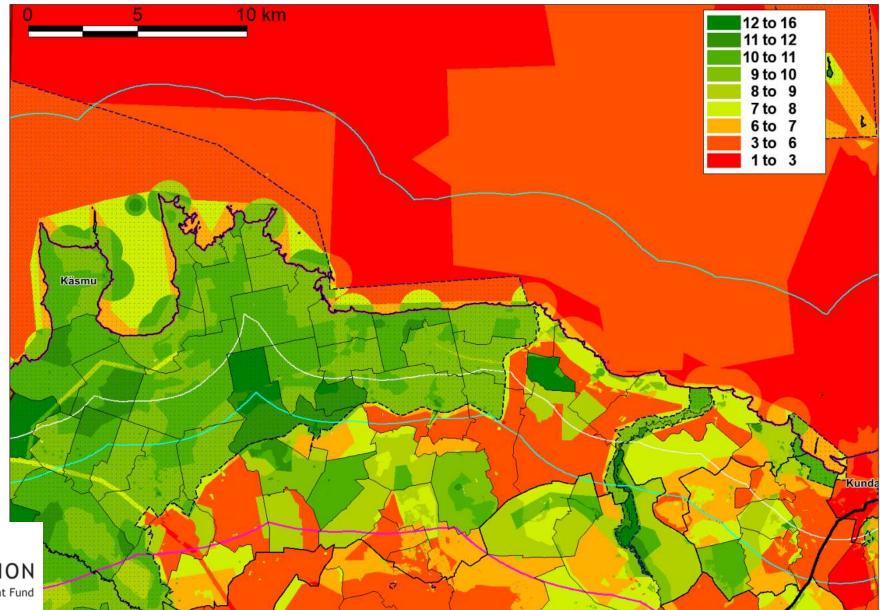
Possible problems?

- Intensive residential-house building
- Crowded beach areas, bad accessibility (Nõva)
- Neugrundi shallow: Military versus Nature protection





Lääne-Virumaa: from Käsmu to Kunda







Lääne-Virumaa test area:

 Nature protection area with traditional settlements versus no restrictions area next to it

Possible problems?

- Extension of harbours (Võsu, Käsmu, Kunda, Karepa)
- Intensive residential-house building
- Crowded beach areas, bad accessibility
- Industrial pressure from Kunda



What next?

- Defining test areas concrete borders and focus
- ICZM zoning for 2 test areas

Near Future Timetable:

- June-September 2017
 - maping possible problems and conflicts on test areas
 - gathering testarea specific information
 - fieldworks
 - communications about gathered information
- October-December 2017 First drafts of ICZM plans



Thank You!

