



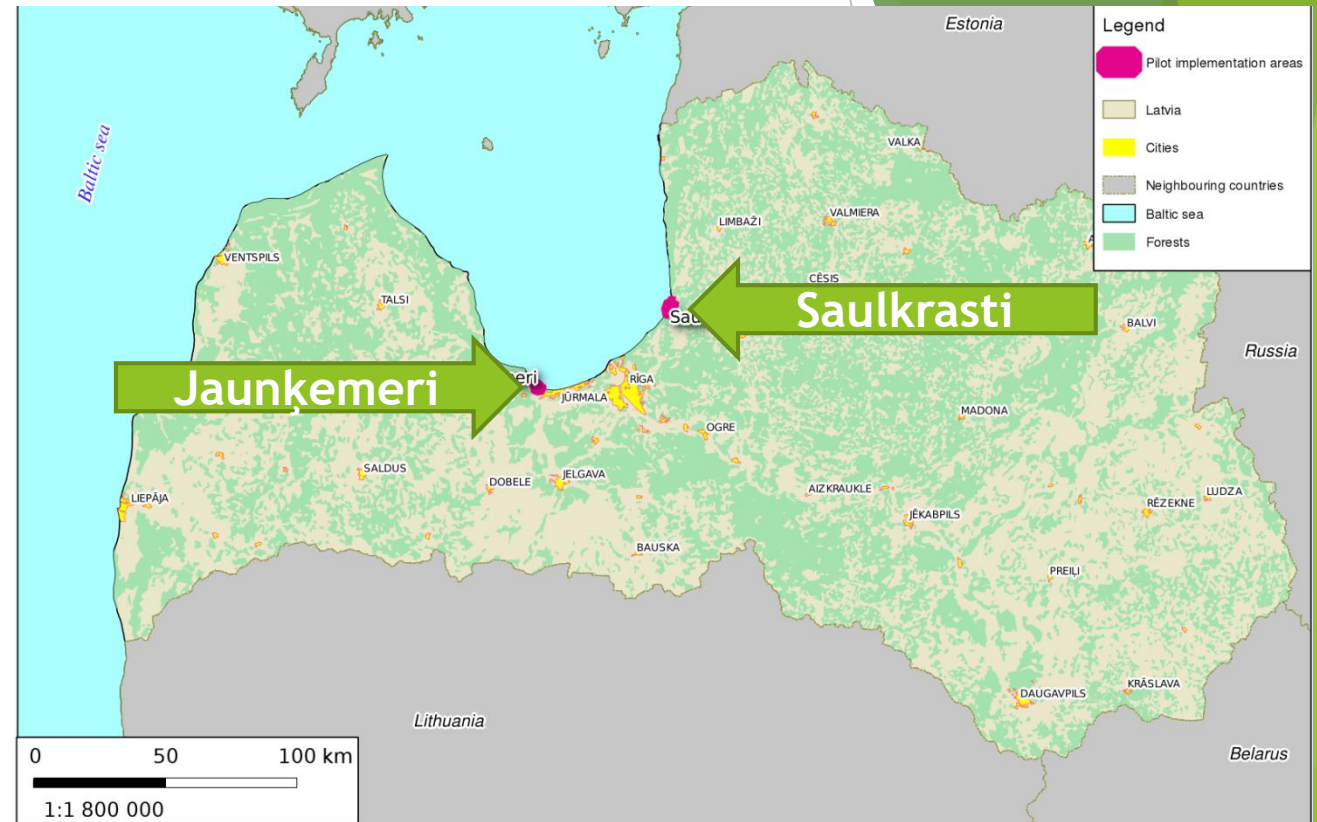
Assessment of ecosystems and their services for nature biodiversity conservation and management

LIFE EcosystemServices

LIFE13ENV/LV/000839

ABOUT THE PROJECT

- ▶ *Project location: Latvia; Saulkrasti and Jaunkēmeri*
- ▶ *Budget - 753 290 EUR*
 - ▶ *EU contribution: 376 641 EUR (50%)*
 - ▶ *Own contribution: 99 219 EUR*
 - ▶ *State budget: 277 430 EUR*
- ▶ *Duration: 01/06/2014 - 31/05/2018 (31/08/2019)*
- ▶ *Beneficiaries:*
 - ▶ *Coordinating - Nature Conservation Agency of Latvia*
 - ▶ *Associated - NGO «Baltic Coasts», Saulkrasti Municipality*



PROJECT OBJECTIVES AND MAIN ACTIVITIES

MAIN goal of the project - to create an innovative approach within the territorial planning processes in Latvia by developed methodology of ecosystems and their services assessment in accordance with the best EU practices.

- ▶ Methodology elaboration and adopt the international practices in ecosystem services (ES) mapping and assessment/valuation (biophysical and economic) for Latvia specific condition;
- ▶ Introduce the mapping and valuation results in planning documents (Saulkrasti Municipality Development Programme and Nature Management Plan for two *Natura 2000* territories);
- ▶ Creation of Nature Design Park un Saulkrasti (to prevent the risk of further degradation of ecosystems and their qualityl to enhance te appeal of the site to the visitors; to promote the social awareness of visitors);
- ▶ To elaborate Final recommendations and Toolkit for recommendations practical use in planning process

CURRENT SITUATION, MEASURED IMPACTS & RESULTS I

- **Methodology elaboration and adopt the international practices in ES mapping and assessment/valuation (biophysical and economic) for Latvia specific condition;**

Methods used

- ✓ **Mapping** – (1) typology of the ecosystems/land cover classes, (2) identification of ES according to the CICES (v4.3), (3) indicators selection, (4) 5 point scoring system for each indicator, (5) ES assessment matrix (developed by B. Burkhard et al, 2009, 2012 and 2014)
- ✓ **Economic valuation** – secondary data – **market price method** for provisioning ES, **market price method/benefit transfer method** for regulation & maintenance ES, **benefit transfer method** for cultural ES; primary data – **travel cost method/contingent method** for cultural ES.



22 ES (Provisioning – 4, Regulation & Maintenance – 13, Cultural – 5) were identified in two pilot areas in the coastal zone – Jaunkemeri (~ 90 ha) and Saulkrasti (~ 132 ha).

The assessment values are used

To create a map for each ES

To incorporate
in **ES**
economic
valuation

For the project
impact on ES
supply in pilot
areas
monitoring

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CURRENT SITUATION, MEASURED IMPACTS & RESULTS II

- Creation of Nature Design Park un Saulkrasti (to prevent the risk of further degradation of ecosystems and their quality to enhance the appeal of the site to the visitors; to promote the social awareness of visitors);
- Public activities and materials



FURTHER ACTIONS TO BE TAKEN

- ▶ Introduce the mapping and valuation results in planning documents (Saulkrasti Municipality Development Programme and Nature Management Plan for two *Natura 2000* territories);
- ▶ To elaborate Final recommendations and Toolkit for recommendations practical use in planning process



LIFE Baltic networking meeting 2017, Pärnu, 28.09.2017.



MORE INFORMATION:



<http://ekosistemas.daba.gov.lv>



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LIFE Baltic networking meeting 2017, Pärnu, 28.09.2017.



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