Nature
Conservation Agency
Republic of Latvia

Sustainable and responsible management and re-use of degraded peatlands in Latvia – LIFE REstore

Kaspars Pabērzs
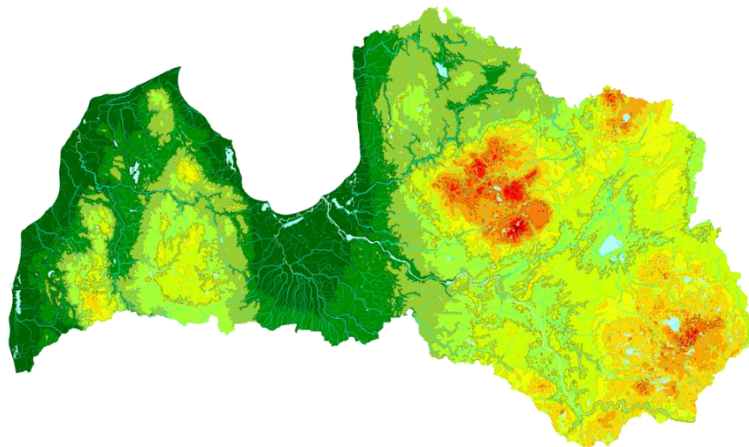LIFE REstore project manager

21.09.2016, Ventainė

General Information

The Nature Conservation Agency ensures implementation of unified nature protection policy in Latvia

Protected Nature Areas of Latvia

Nature Conservation Agency Republic of Latvia

Legend:
- Strict Nature Reserve
- National Prak
- Protected Landscape Area
- Nature Park
- Nature Reserve
- Marine Protected Area
- Biosphere Reserve
- Microreserve, *Natura 2000* Area
- Nture Monument
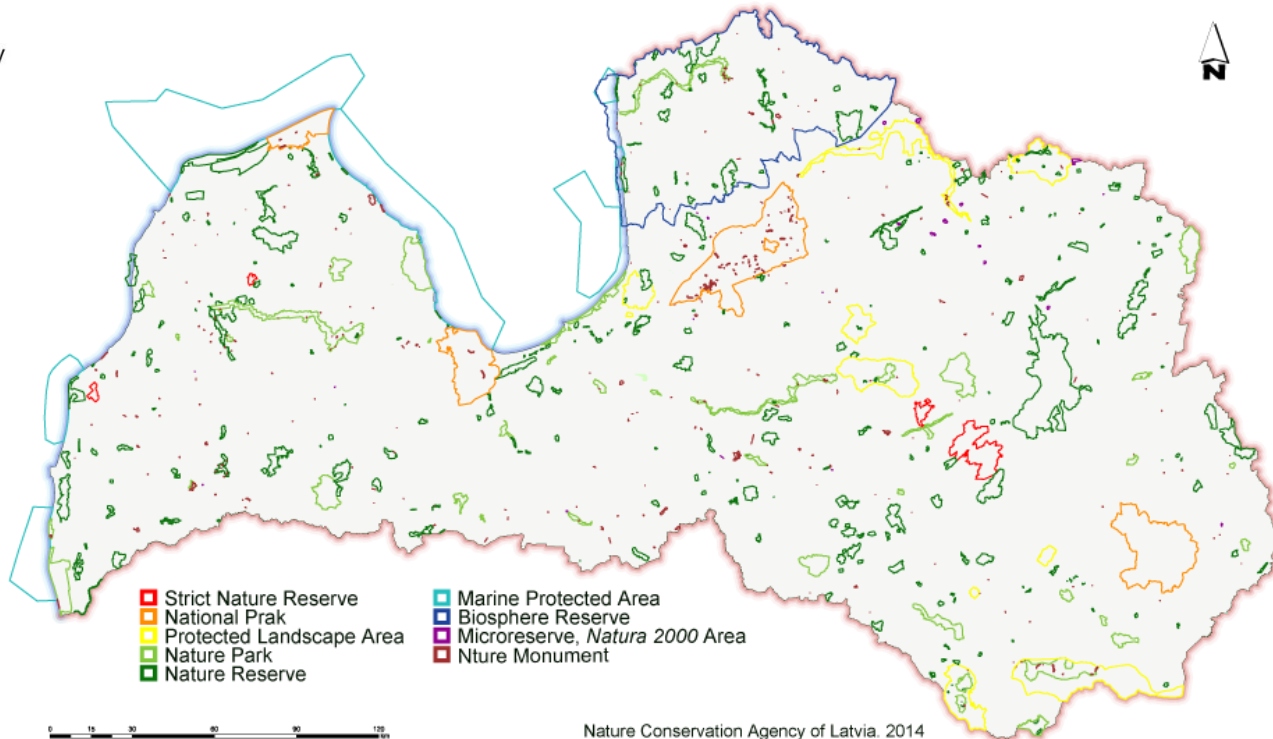
Nature Conservation Agency of Latvia. 2014

Nature Conservation and Nature Education

NCA - functions

Realization

of state policy of nature conservation, species & biotopes protection

Coordination

of administration and management of specially protected areas

Implement

the functions of supervision of „The Convention on International Trade in Endangered Species of Wild Fauna and Flora" (CITES)

Maintain

records on scientific research in specially protected areas

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LIFE REstore
Sustainable and responsible management and re-use of degraded peatlands in Latvia

LIFE 2014 – 2020 program
Climate action sub-program
Climate change mitigation priority area

Why?

Natural bogs are huge carbon reservoir

Degraded peatlands causes significant GHG emissions

Why (2)

- Not standard approach and principles of management of degraded peatlands;
- Information on the areas, location, classification is inadequate;
- There is a need for fast, reliable, comprehensive, high resolution and spatially clear data on degraded peatlands;
- Improvements for GHG inventory.

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REstore: main objective

establishment of a decision support system for responsible and sustainable degraded peatland re-use and management in Latvia

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REstore: main actions

- To define the **criteria for classification** of degraded peatlands and determination of **optimal management approach**
- To perform an **inventory** of degraded peatlands and to develop a database of degraded peatlands
- To **approbate** the **methodology for GHG emissions accounting** in accordance to IPCC guidelines "Wetlands" in order to **elaborate** country **specific emission factors** and contribute to National GHG Inventory improvements
- To **develop a decision support tool** – a map based land use **optimization model** for **re-use of degraded peatlands** by combination of multi-criteria methods and GIS systems

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REstore: main actions (2)

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- To select the **demonstration territories** and perform hydrological and habitat studies, as well as economic assessment of the ecosystems and their services of the territories and adjacent areas
- To **test** and to **demonstrate** the optimisation model by **implementing the scenarios** of land re-use and management **in selected demonstration territories**
- Based on the conclusions derived from practical experience, **to develop set of recommendations** and mechanisms for the application and implementation of developed optimisation model for peatland re-use and innovative approaches in policy-making for peatland management

REstore: inventory

Vegetation inventory of degraded peatland in the Laugas mire, abandoned peatland

Vegetation inventory of degraded peatland in the Vārnēnu mire, abandoned peatland

REstore: approbation of GHG emissions accounting methodology

Field measurements of GHG (CO_2, N_2O un CH_4) in 40 places in Latvia

REstore: team

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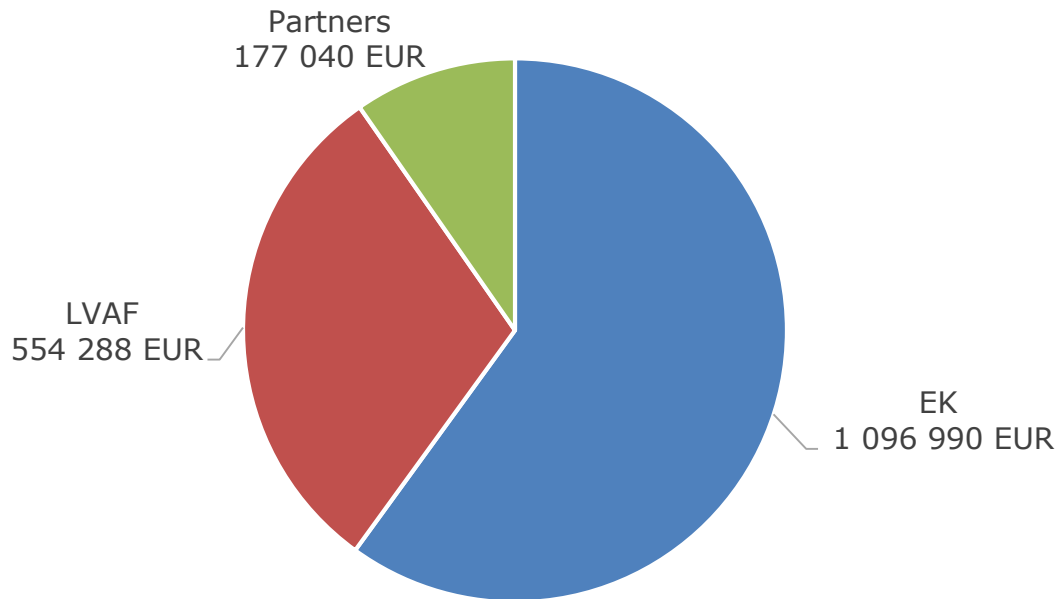
Coordinating beneficiary

Dabas aizsardzības pārvalde

Associated beneficiaries

BALTIJAS KRASTI

SILAVA

REstore budget – 1 828 318 EUR

Partners
177 040 EUR

LVAF
554 288 EUR

EK
1 096 990 EUR

REstore: time schedule

Action number	Name of the action	2015 I	II	III	IV	2016 I	II	III	IV	2017 I	II	III	IV	2018 I	II	III	IV	2019 I	II	III	IV	2020 I	II	III	IV
A. Preparatory actions (if needed)																									
A.1	Stakeholder mapping and current situation analysis			■	■																					
A.2	Elaboration of Project Communication Strategy			■	■																					
A.3	Criteria for classification of degraded peatlands and optimal management approach definition				■																					
A.4	Approbation of the methodology for GHG emission accounting				■	■	■																			
A.5	Inventory of degraded peatland areas and development of database					■	■	■	■																	
A.6	Elaboration of the Management Plan, Detail and Technical Designs					■	■	■	■	■	■															
B. Purchase / lease of land and / or compensation payments for use rights																									
C. Implementation actions (obligatory)																									
C.1	Development of peatland re-use optimisation model - Stage I - Assessment of key processes in demo-sites					■	■	■	■																	
C.2	Development of peatland re-use optimisation model - Stage II - Economic assessment of ecosystem services in demo-sites						■	■	■																	
C.3	Development of peatland re-use optimisation model - Stage III - Assessment of the land use scenarios for demo-sites						■	■	■	■																
C.4	Testing of the peatland re-use optimisation model - Implementation of the land use scenarios in demo-sites										■	■	■	■	■	■	■									
C.5	LIFE REcommendations for multi-purpose application of support tools for management and re-use of degraded peatlands																	■	■	■						
D. Monitoring of the impact of the project actions (obligatory)																									
D.1	Monitoring of the impact of project actions					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■						
D.2	Monitoring of the socio-economic impact of project					■	■					■				■			■							
E. Communication and dissemination of results (obligatory)																									
E.1	Project website					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■						
E.2	Public information and education materials					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■						
E.3	Public information and education events			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■						
E.4	Networking with other LIFE and non-LIFE projects			■	■			■			■			■				■								
E.5	Manual "Methodology for degraded peatland re-use in Latvia"														■	■	■	■								
E.6	International Conference for the degraded peatland management and re-use														■	■	■	■								
E.7	Layman's report																		■	■	■					
F. Project management and monitoring of the project progress (obligatory)																									
F.1	Project management by NCA					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■						
F.2	Audit																		■							
F.3	Compilation of information for indicator tables					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■						
F.4	After-LIFE Plan																		■	■	■					

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Thank You for Your attention!

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