



The Habitat monitoring in Natura 2000 sites in Latvia

Rūta Sniedze – Kretalova

Latvian Fund for Nature

11.11.2014.

Final conference LIFE+ MOTH

Uppsala, Sweden

Biodiversity Monitoring Program

- Natura 2000 monitoring – invertebrates, amphibians and reptiles, birds, migrating birds, fishes, mammals, plants, habitats
- Background monitoring
- Special monitoring

About the Project



227 177 LVL = 323 244 EUR



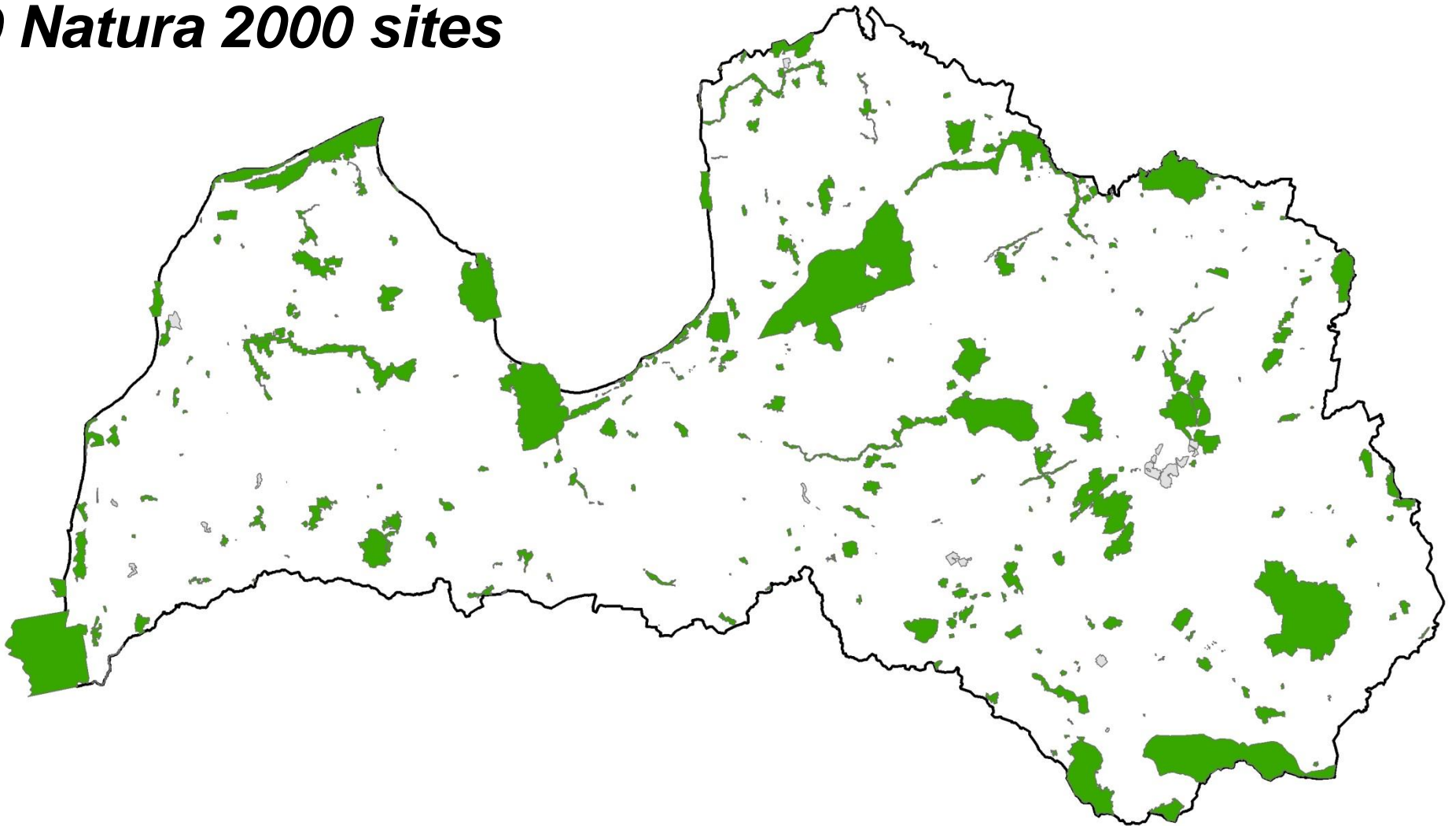
May, 2008



December, 2012

Project sites

319 Natura 2000 sites



Survey table

Sitecode	Sitename	biotkods		Area, ha					Days	Possible combinations
LV0302100	Abavas senleja	5130	B	7.47	1	01.06.	10.07.	BIO6	0.5	6210, 6530, 6510, 6120
LV0302100	Abavas senleja	6120	A	14.93	1	01.06.	10.07.	BIO6	1	6210, 6530, 6510, 5130
LV0302100	Abavas senleja	6210	B	74.67	1	01.06.	10.07.	BIO6	1	6120, 6530, 6510, 5130
LV0302100	Abavas senleja	6530	B	7.47	1	01.06.	10.07.	BIO6	0.5	6120, 6210, 6510, 5130
LV0302100	Abavas senleja	7220	B	1.49	1	15.06.	01.09.	BIO7	0.7	8210, 8220
LV0302100	Abavas senleja	8210	B	0.75	1	15.06.	01.09.	BIO8	0.5	7220, 8220
LV0302100	Abavas senleja	9180	B	298.66	1	01.05.	30.09.	BIO10	2	3270
LV0302100	Abavas senleja	3270	C	1.49	1	15.06.	01.09.	BIO4	0	9180
LV0302100	Abavas senleja	6510	C	7.47	1	01.06.	10.07.	BIO6	0.5	6120, 6210, 6530, 5130
LV0302100	Abavas senleja	8220	C	0.75	1	15.06.	01.09.	BIO8	0.3	7220, 8210
LV0520000	Abeli	3160	C	0.33	1	01.07.	31.08.	BIO3	0	7120
LV0520000	Abeli	7120	C	327.50	1	01.06.	01.09.	BIO9	1	3160
Adamovas ezers	Adamovas ezers	3150	C	186.96	1	01.07.	15.08.	BIO3	1	nav
LV0600800	Adazi	2330	A	3.06	1	01.07.	30.09.	BIO6	3	4030, 7110
LV0600800	Adazi	4030	A	1041.42	1	01.07.	30.09.	BIO9	0	2330, 7110
LV0600800	Adazi	91e0	B	122.52	1	01.05.	30.09.	BIO10	2	91d0
LV0600800	Adazi	3130	C	18.38	1	01.07.	31.08.	BIO3	1	nav
LV0600800	Adazi	7110	C	490.08	1	01.06.	01.09.	BIO9	1	4030, 2330
LV0600800	Adazi	91d0	C	30.63	1	01.05.	30.09.	BIO10	0	91e0
LV0305100	Aiviekstes paliene	6450	B	577.50	1	01.06.	10.07.	BIO6	2	6510
LV0305100	Aiviekstes paliene	6510	C	115.50	1	01.06.	10.07.	BIO6	1	6450

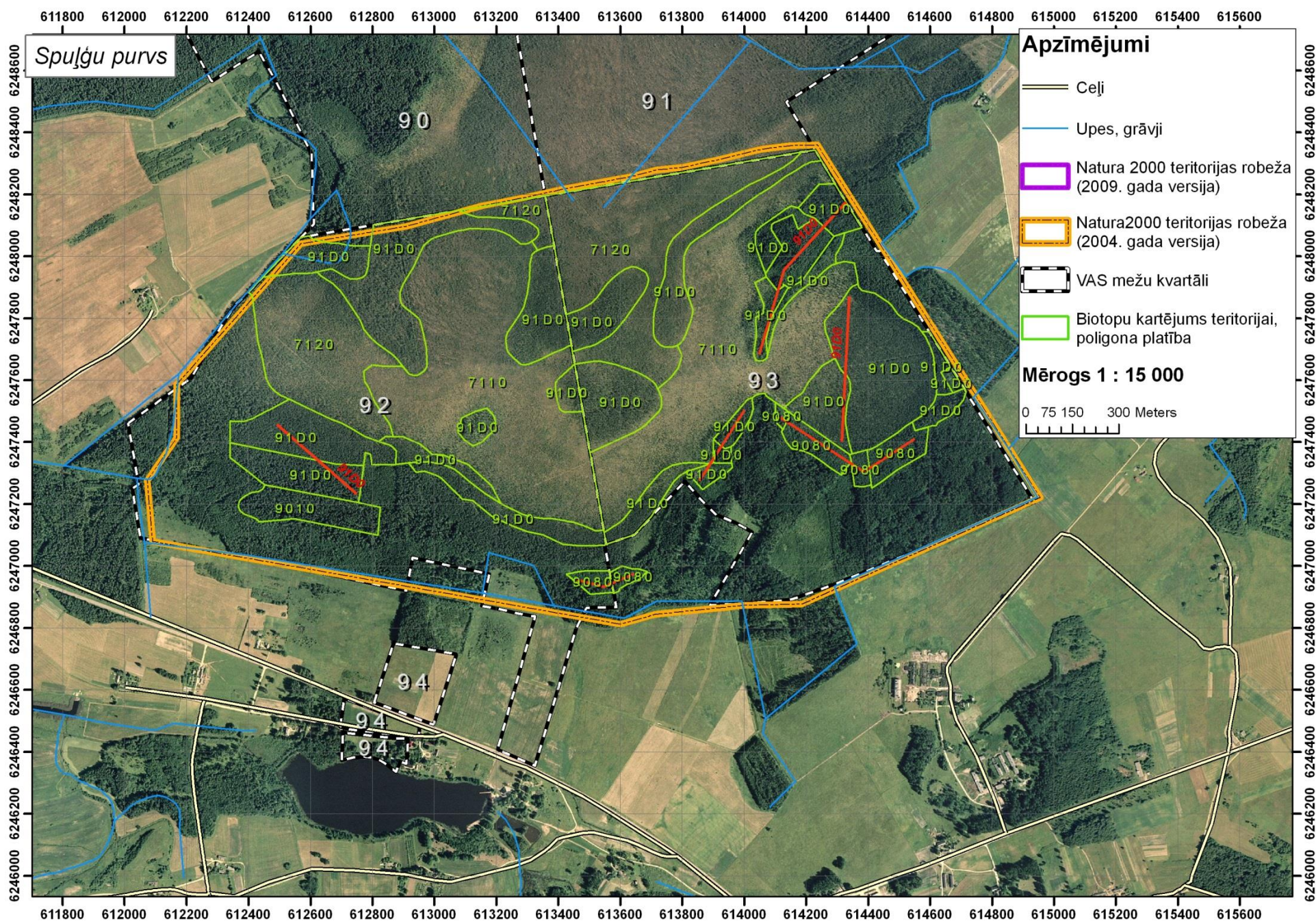
629 monitoring needs (habitat – site)

Methodology of the project

- It was created by habitat experts in the working groups during 2007 and approved by the Ministry of Environmental Protection
- The habitat assessment was based on typical species composition and structure elements.
- There were only 97 sites which mapped in the framework of the Conservation plans. 215 sites were not mapped.
- During the first years field works were aimed at habitat mapping in order to collect data for habitat monitoring.

9180 Tilio-Acerion forests of slopes, screes and ravines

Site Name:				
Site area:				
Habitat polygon count in the site				
Habitat area:				
Date:				
Expert/ Organization				
Points	0	1	2	3
Structures				
Fallen dead wood	no	few	medium	many
Dead standing trees	no	few	medium	many
Old large - sized trees	no	few	medium	many
Impact of springs	no	few	medium	many
Typical species (coverage %)				
<i>Acer</i> , <i>Fraxinus</i> , <i>Tilia</i> and <i>Ulmus</i> sp. along	10-20	21-40	41-60	>60
<i>Corylus avellana</i>	0	1-10	11-20	>20
<i>Hepatica nobilis</i>	0	1-10	11-20	>20
Maximum points	21			
Points				
REPRESENTATIVITY (ABC)				
Impacts				
Tree cutting	many	medium	few	no
Recreation	many	medium	few	no
Invasive species	many	medium	few	no
Maximum points	9			
Points				
CONSERVATION (ABC)				
Rare and protected species				



- Two-day trainings for experts were organized by LFN annually before the beginning of field work season. During these trainings participants were guided on methodology, habitat interpretation, woodland key habitats etc. Seasonal assessment workshops were also organized regularly in late autumn where experts had possibility to share their experience and discuss on habitat interpretation and monitoring methodology.
- The experts' conclusions after the first season were that:
 - Upgraded habitat interpretation manual is needed to reach common understanding;
 - habitat monitoring forms should be changed in order to reflect accurately the quality of the habitat.



Elaboration of the Interpretation Manual

- There is Interpretation manual elaborated in 2009 aimed at the improving of habitat definitions supplementing such paragraphs as conservation value, environmental factors, processes with functional role, vegetation characteristics, variants (subtypes), minimum habitat requirements, structural, functional and restoration potential indicators. As well as there are described threats, management and differences between similar habitats.
- New habitat assessment forms were elaborated.



Conclusions

- 😊 215 Natura 2000 sites were mapped and 36% of habitats within it were monitored
- 😊 Data about habitat quality were acquired for Article 17 and Natura 2000 standard data forms were updated
- 😊 Many important problems were identified and some of them have already solved
- 😞 There are still Natura 2000 sites without habitat map
- 😞 All habitat types within Natura 2000 sites should be monitored
- 😞 The results of the project shows that within established Natura 2000 network the aim of the Habitat Directive probably cannot be achieved

Article 17

Ziņojums Eiropas Komisijai par biotopu (dzīvotņu) un sugu aizsardzības stāvokli Latvijā Novērtējums par 2007.-2012. gada periodu

Ziņojuma kopsavilkums grafikos par dzīvotņu un sugu aizsardzības stāvokli

Pilns ziņojums pieejams Eiropas Vides aģentūras interneta vietnē >>>

http://bd.eionet.europa.eu/activities/Reporting/Article_17/Reports_2013/Member_State_Deliveries

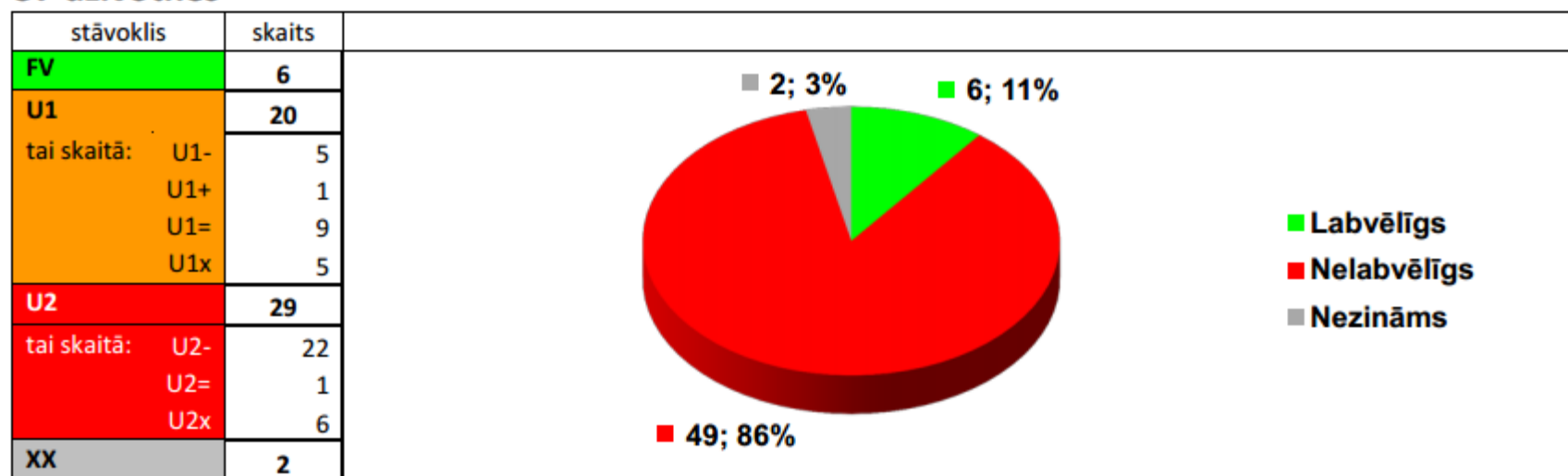
Apzīmējumi aizsardzības stāvoklim:

FV	Aizsardzības stāvoklis labvēlīgs (Favourable)
U1	Aizsardzības stāvoklis nelabvēlīgs-nepietiekams (Unfavourable-Inadequate)
U2	Aizsardzības stāvoklis nelabvēlīgs-slikts (Unfavourable-Bad)
XX	Aizsardzības stāvoklis nezināms (Unknown)

Apzīmējumi aizsardzības stāvokļa tendencei:

+	uzlabojas
-	pasliktinās
=	stabils
x	nezināms

57 dzīvotnes



LIFE + project NAT – PROGRAMME "National Conservation and Management Programme for Natura 2000 sites in Latvia"

OBJECTIVES:

1. To develop and publish a **National Conservation and Management Programme for Natura 2000 sites in Latvia** in order to adopt and implement a programmatic approach to the long term conservation and management of the Natura 2000 network.
2. To promote effective and unified habitat management by elaborating comprehensive, tested and up-to-date common **Guidelines for all habitat types and species.**
3. **To increase awareness** of public authorities, nature conservation experts, NGOs, municipalities, local entrepreneurs, land owners and other stakeholders about appropriate nature conservation and management measures and financial resources available for the management of Natura 2000 sites.

The Inventory of EU habitats in Latvia

According to the National ENVIRONMENTAL POLICY STRATEGY 2014-2020 the Inventory of EU habitats in Latvia will be done until 2020.

The reliable data concerning habitat distribution, quality and area will be obtained within this inventory. These data will provide necessary information to improve Natura 2000 network, sustainable territorial planning and evaluation of ecosystem services.

Thank you for your attention!

