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Project «Nature Census» in Latvia

Preconditions for better biodiversity conservation and
ecosystem protection in Latvia'

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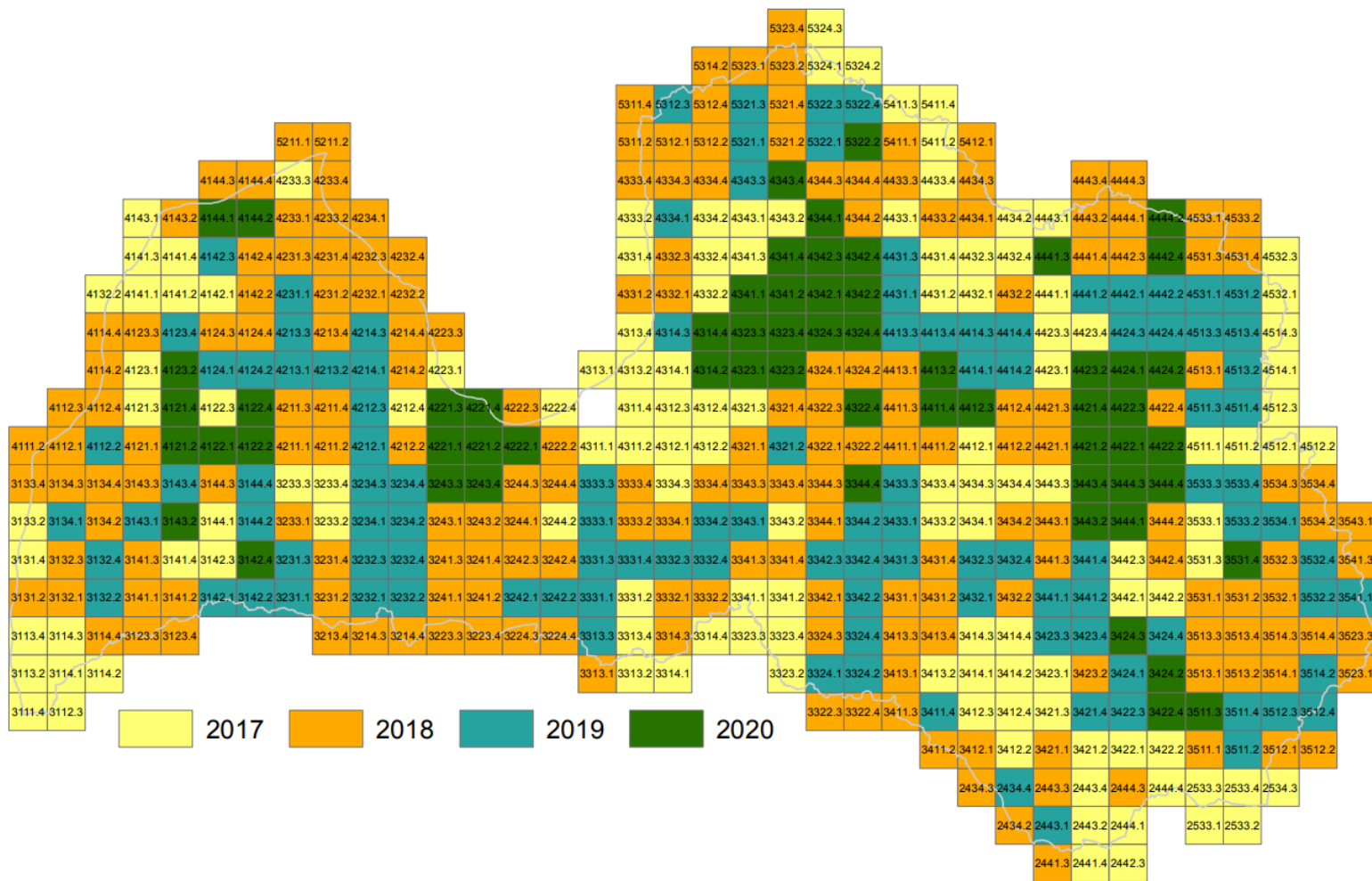
Main Goals of the Project:

- To perform the inventory of habitats of EU importance across the whole country
- To develop management plans for 25 Natura2000 sites – including two national parks
- To develop management plans for 5 species/groups of species (2 bat species, woodpeckers, owls, seals)



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Habitat Inventory





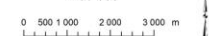
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Mapping Unit



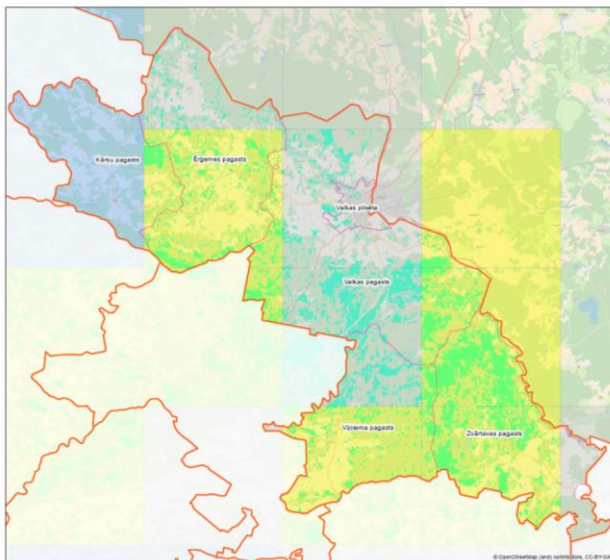
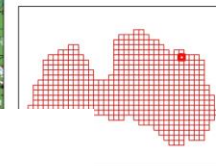
Kvadrāta numurs: 4444.1

1:50 000



Apzīmējumi

- Kartes kvadrāti
- Kartes lapa

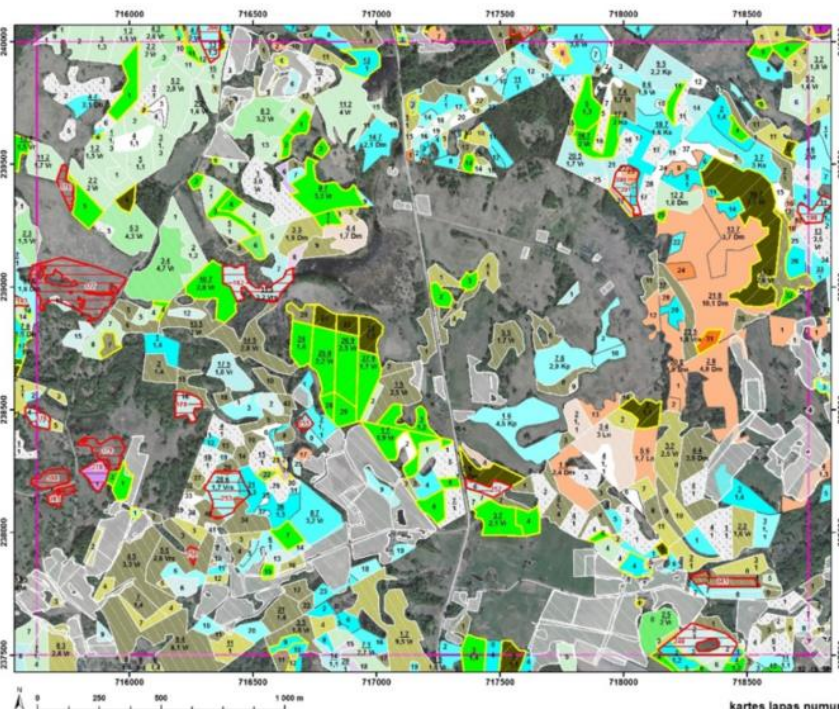


Vaivaras novads



Apzi
Kartēša
Apekojamās terit

Koordinātu sistēma LKS-92
© Dabaszinātnes pētījumu institūts



Dabaszinātnes pētījumu institūts

LKS-92
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© Valsts mežsaimniecība

kartes lapas numurs:

3513.4-2



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Digitalization of data

<https://ozols.gov.lv/pub>

The screenshot shows the website interface for the 'Dabas datu pārvaldības sistēma OZOLS'. It features a navigation menu with 'Tēmas', 'Par mums', 'Pakalpojumi', and 'Aktualitātes'. The main content area includes a search bar, a list of categories on the left, and a detailed description of the system. The description explains that the system is a web-based platform for managing nature data, including protected areas, biotopes, and other environmental features. It also mentions the system's integration with other databases and its role in providing information to the public and professionals.

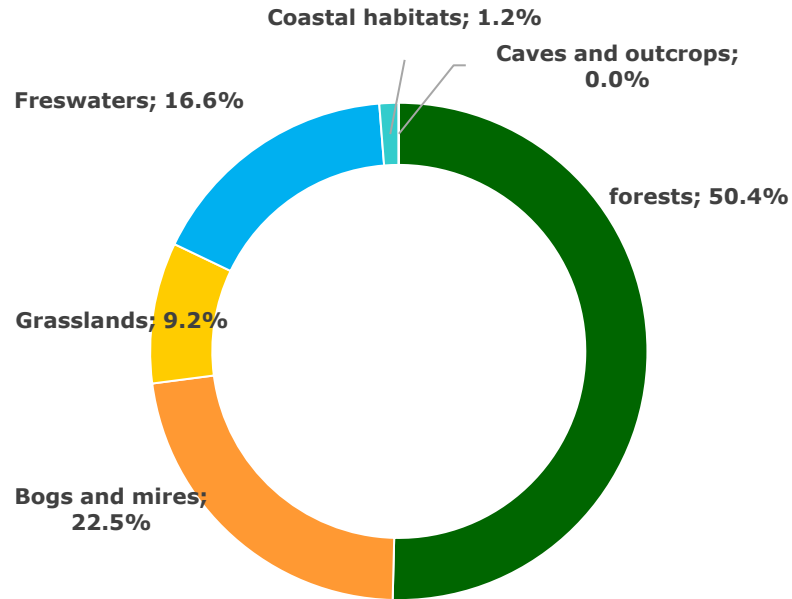
The screenshot displays the web application interface for the 'Dabas aizsardzības pārvaldes dabas datu pārvaldības sistēma OZOLS'. The main view is a map showing a geographical area with various data points and layers. On the left, there is a sidebar with 'Kartes darbības/rezultāti' and 'Rezultāti' sections. The 'Rezultāti' section shows a list of search results, including 'Botāniskais BVZ' and 'IA Biotopi (laukumi)'. A detailed view of a selected result is shown at the bottom left, displaying fields like 'Klase', 'Biotopa kods', 'Variants', 'Anketas nr.', 'Datums', 'Pļautība (ha)', and 'ID'. The map itself shows a coastal area with green and blue regions, and red dots indicating specific data points. The bottom of the map includes a scale bar and coordinates.



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Habitats of EU importance in Latvia

Habitats of EU importance covers ~ 10% of mainland area.



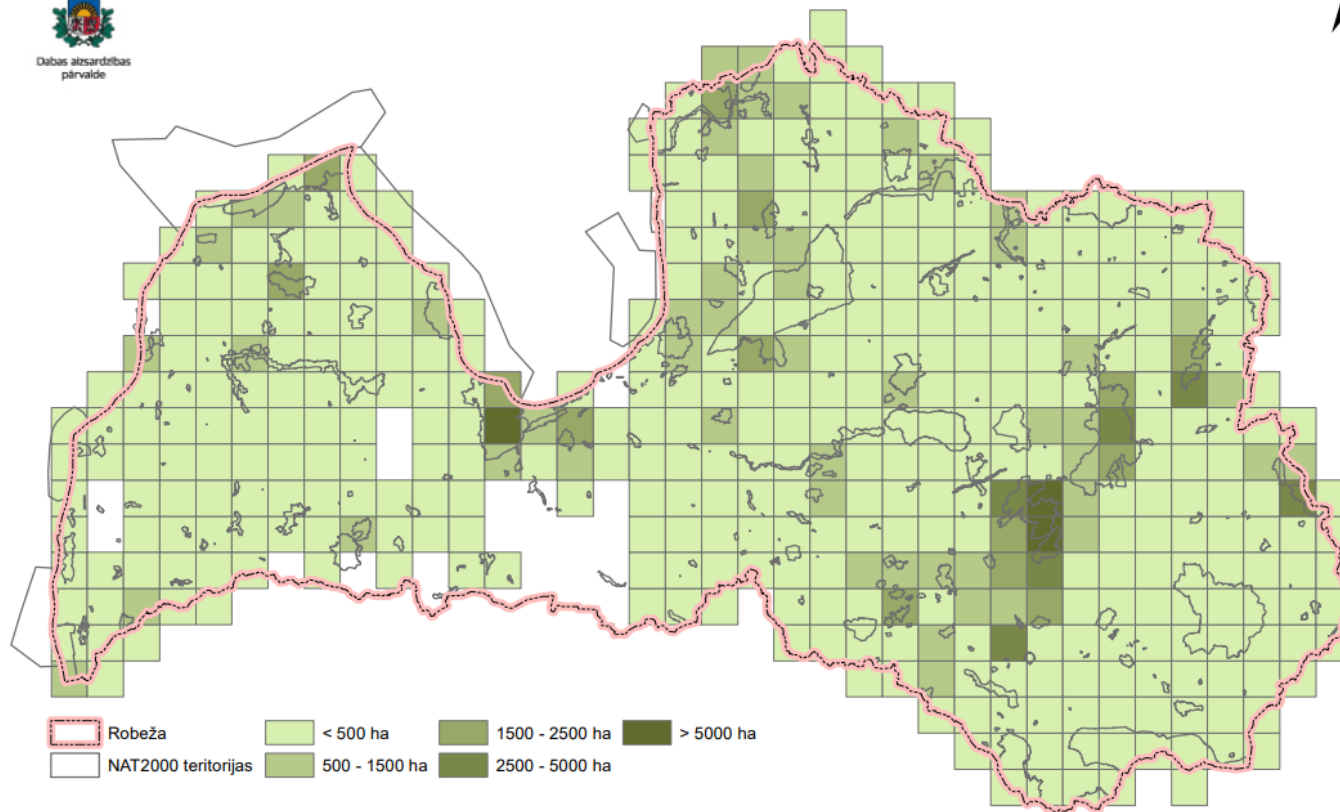


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Habitats of EU importance in Latvia – concentration of bogs, mires and springs



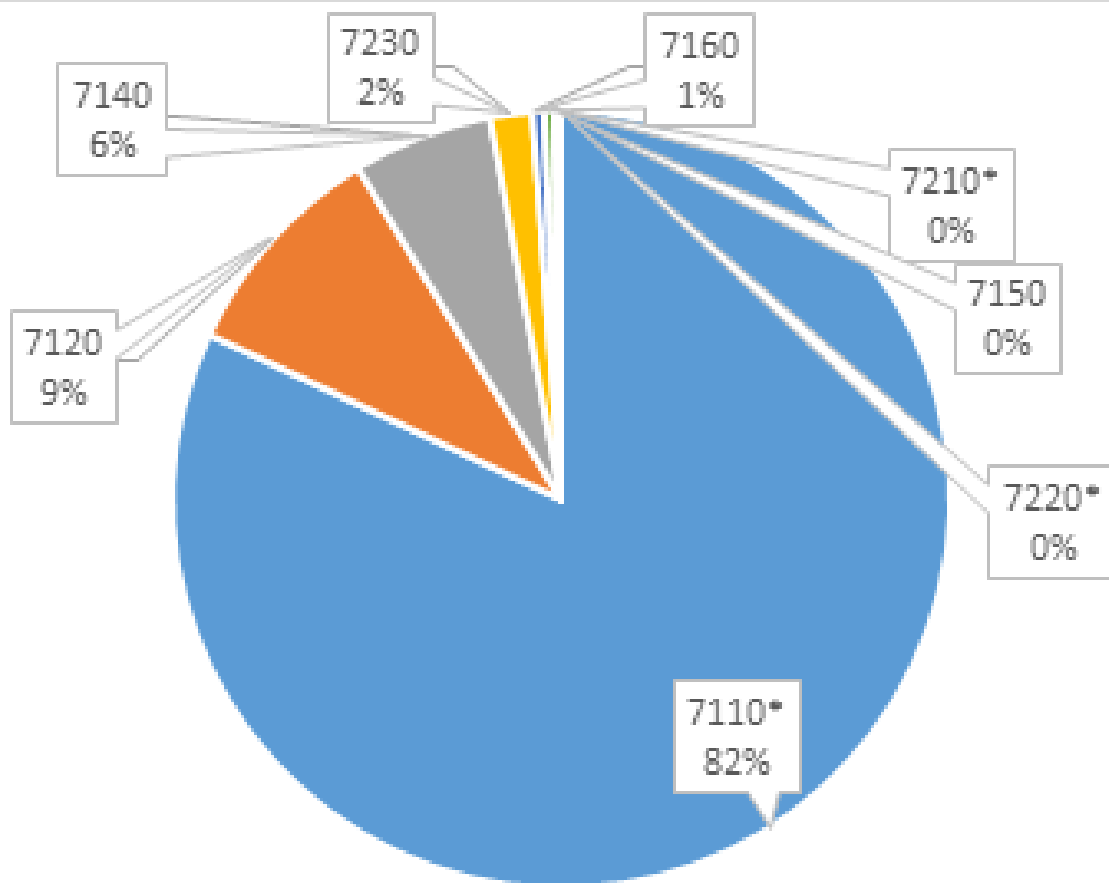
Dabas aizsardzības
pārvalde





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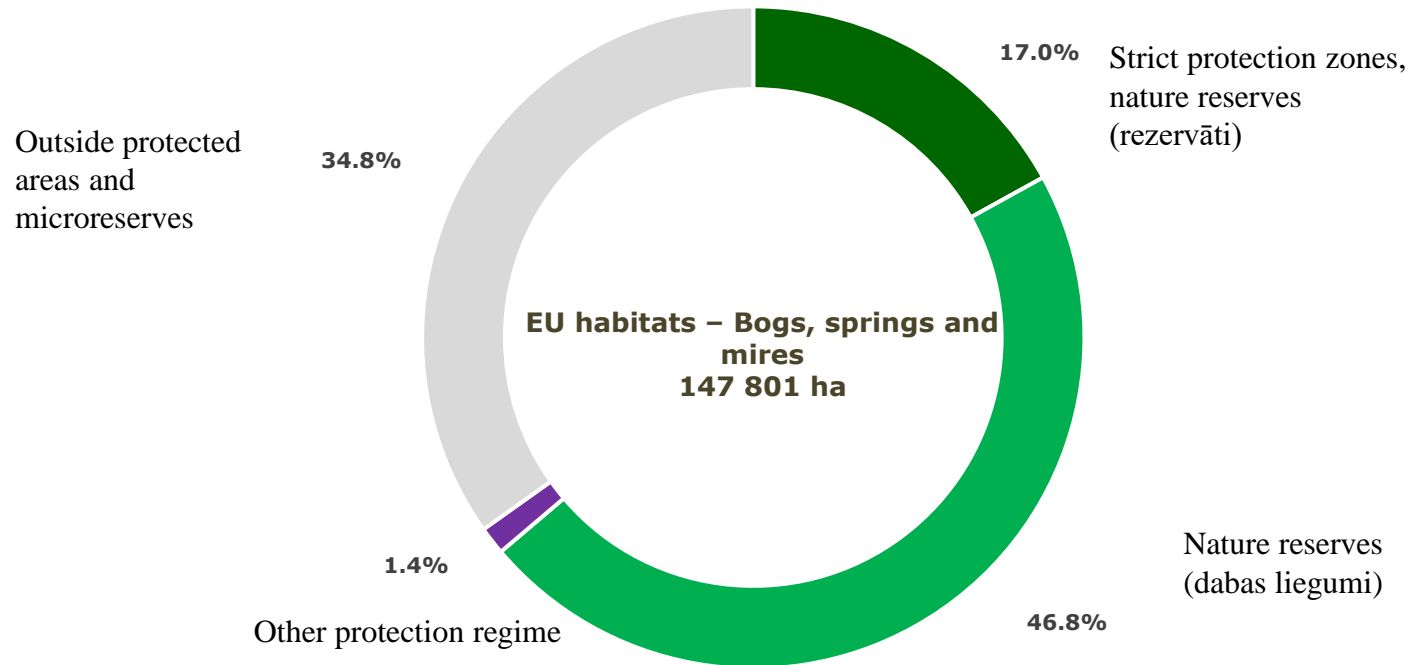
Habitats of EU importance in Latvia – habitat types of bogs, mires and springs





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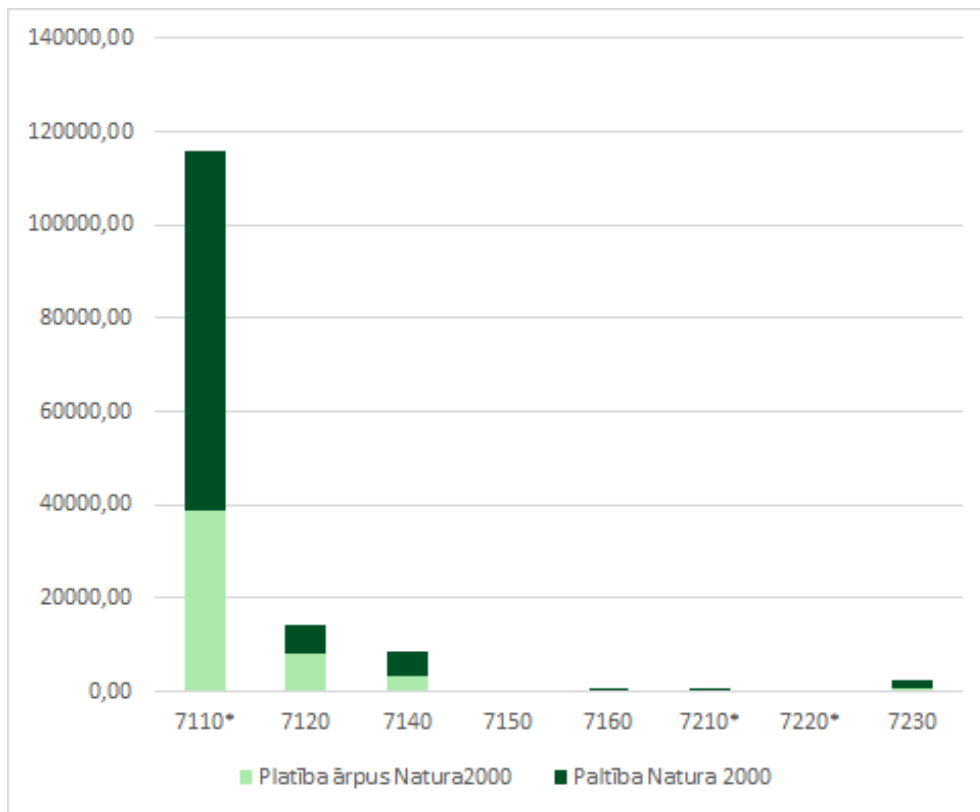
Habitats of EU importance in Latvia – protection status of bogs, mires and springs





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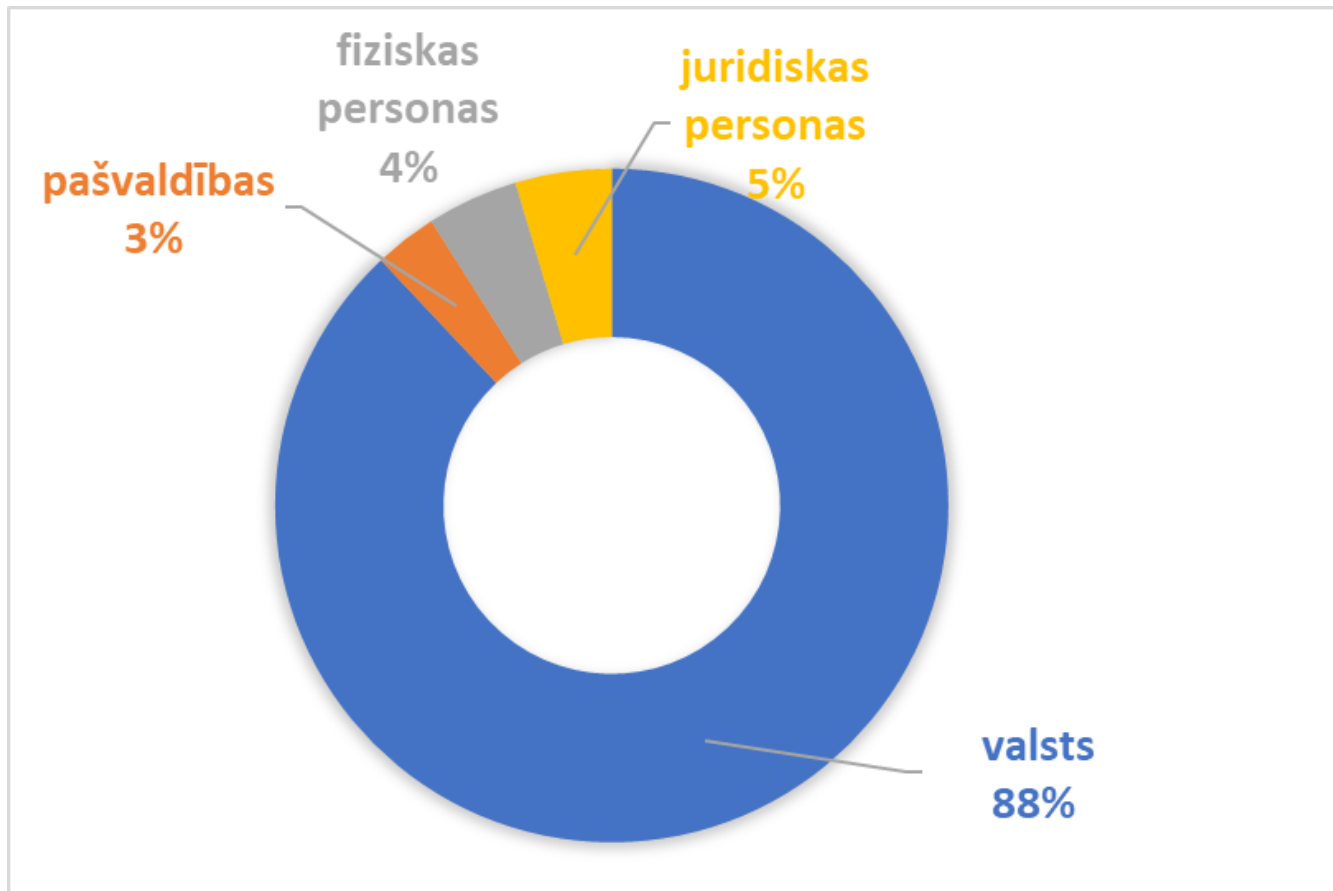
Habitats of EU importance in Latvia – protection of habitat types of bogs, mires and springs





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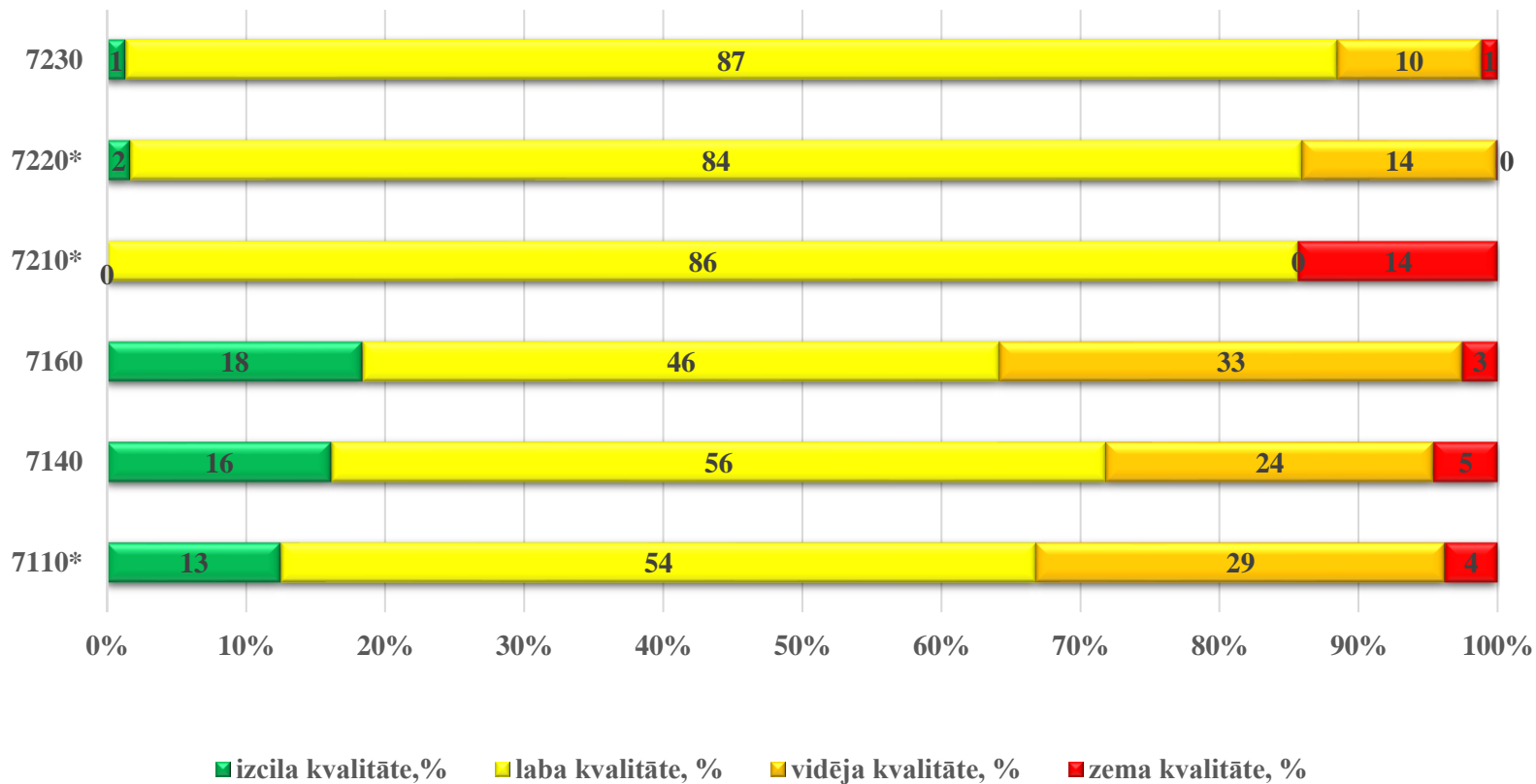
Ownership of areas with habitats of EU importance (bogs, mires and springs)





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Habitat quality evaluation





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Findings

- at least 52 new species in Latvia
- 2 hillforts
- 12 new caves.





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Next steps

- Institute of Electronics and Computer Science, project «Remote Sensing and Machine Learning for Bog Habitat Monitoring (PurvEO)» - recently created two geospatial data layers based on remote sensing data, which will help
 - to improve monitoring of bog and marsh habitats
 - to improve detection of habitat borders (border between bog and forest).
- LIFE IP LatViaNature
 - setting conservation objectives for Natura 2000 sites
 - setting conservation objectives for habitats and species of EU importance





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