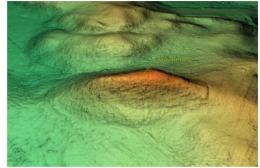


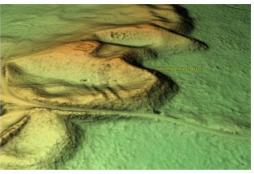
A BRIEF HISTORY OF THE PROJECT

Private initiative without state funding. The website www.latvijaspilskalni.lv was launched in July 2017





LUBEJAS PILSKALNS 02.03.2023 IN VIDZEMES NOVADS



GREIZO KALNU PILSKALNS 27.11.2022 IN IESPĒJAMS PILSKALNS SĒLIJAS (AUGŠZEMES) NOVADS





Open data repository **opendata.latvijas-pilskalni.lv** launched in October 2019.

| File Name ↓ | File Size ↓ | Date ↓ |
|--|-------------|-------------------|
| Citi_objekti | - | April 29, 2021 |
| Macibu_materiali | - | February 22, 2022 |
| Merijumi | - | April 26, 2023 |
| Pilskalnu_3D_modelji | - | March 13, 2023 |
| Pilskalnu_fotografijas | - | April 30, 2023 |
| Senvietu_3D_modeli | - | October 23, 2020 |
| Senvietu_fotografijas | - | August 18, 2022 |
| Vesturiski_militari_objekti | - | March 19, 2021 |
| json | - | April 29, 2020 |
| ml xml | - | January 6, 2020 |
| Apliecinajums_par_datu_brivu_izmantosanu_signed> | 81.1 KiB | January 5, 2023 |
| | | |

Content of the website ancientsites.eu (after project «Cult identity» ends) opened on domain www.senvietas.lv in December 2019.



f 🔰 🛗 🗿

Cilvēkus visos laikos ir vilinājis noslēpumainais un neizdibināmais. Senās svētvietas ir apvītas mītiem un leģendām, kas rosina zinātkāri un ļauj mums kaut nedaudz ielūkoties pagātnē. Līdz mūsdienām ir saglabājušās teikas un pieraksti, kas vēsta par piekoptajiem rituāliem senajās svētvietās- piemēram, ziedošana, dabas godināšana atbilstoši saules gada ritumam, uguns un mirušo kults.

Senči ticēja, ka koki un akmeņi, birzis un meži, pakalni un ūdens ir apveltīti ar brīnumainām spējām, kas palīdz dziedināt slimības, sargā no nelaimēm, kā arī nodrošina veselību un auglību. Mūsdienās dabas svētvieta no pirmā acu uzmetiena var likties kā vienkāršs akmens vai kalns, tomēr stāsti un mīti, kas nodoti no paaudzes paaudzei, vēsta ko citu. Tās ir aizraujošas liecības par mūsu senču seno vēsturi un izpratni par dabas spēku, cilvēku un dievu savstarpējām attiecībām.

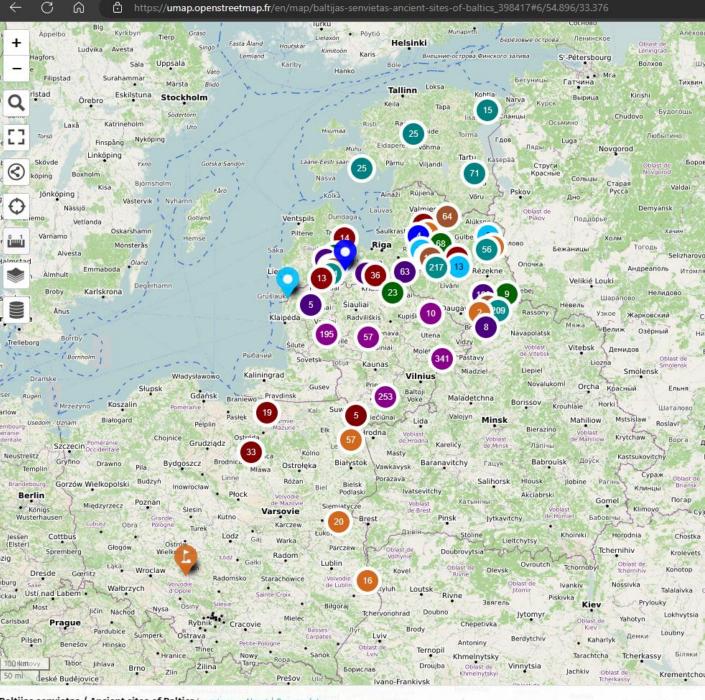
Tas izrādījās samērā grūts pasākums — atkal atrast dabā bijušās svētvietas, par kurām dažkārt liecina vien nosaukums vai leģenda, jo gadsimtu gaitā notikusi aktīva saimnieciskā darbība, reliģiju maiņa, sacelti ciemati un daudzas vietas laika gaitā iznīcinātas. Un tomēr, pētījumu gaitā esam apzinājuši ne mazumu vēl esošo seno svētvietu, kurām katrai savs stāsts, katrai sava loma cilvēka dzīvē.

Mūsu datu bāzē pašlaik ir apkopota informācija par dabas svētvietām Rīgas, Vidzemes, Zemgales un Kurzemes reģionos Latvijā, Gavleborgas novadā Zviedrijā un Muhu un Juuru pagastos Igaunijā.

In March 2020 hillforts data layer provided in **LVM Geo** application



In September 2020 united **Baltic Hillforts and Ancient** sites map created



Baltijas senvietas / Ancient sites of Baltics by gatons — About | Browse data

2020 the project wins the LATA annual award in the private sector for the data repository opendata.latvijas-pilskalni.lv



hillforts.eu website launched in 2022

HILLFORTS.EU

Links Other sites About

Project "Latvian hillforts" (LAT, EN)

A project maintained by ancient history enthusiasts. Information about Iron Age hillforts in Latvia. Descriptions, photos, 3D models. There are also links to social media accounts.

opendata.latvijas-pilskalni.lv

Open Data Repository, where you can find 3D images of hillfort models, source code, etc. Everything is free to use and free of charge.

3D models of Latvian hillforts on Sketchfab

The 3D models are built from open-access LIDAR raw data. The models are free to use and free of charge.

3D models of Estonian hillforts on Sketchfab

The 3D models are built from open-access LIDAR raw data. The models are free to use and free of charge.

3D models of Lithuanian hillforts on Sketchfab

The 3D models are built from open-access LIDAR raw data. The models are free to use and free of charge.

3D models of Poland hillforts on Sketchfab

The 3D models are built from open-access LIDAR raw data. The models are free to use and free of charge.

Project "Ancient sites" (LAT, ET, EN, SE)

Information on sites of ancient importance. Here you can also find information gathered in the framework of the "Cult Identity" project.

Map of Hillforts and Ancient sites

Openstreetmap-based map with search and data export options.

3D model videos of Latvian hillforts on YouTube

The 3D models are built from open-access LIDAR raw data.

3D model videos of Estonian hillforts on YouTube

The 3D models are built from open-access LIDAR raw data.

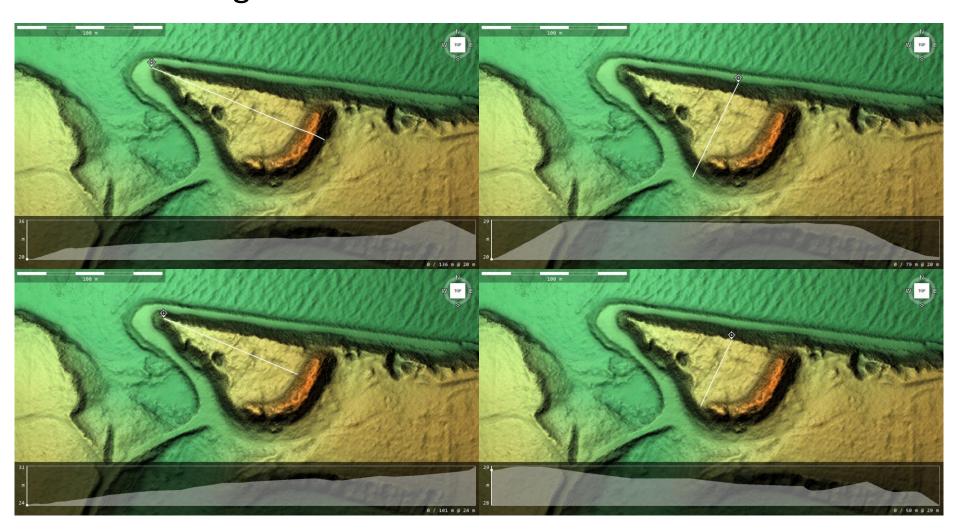
3D model videos of Lithuanian hillforts on YouTube

The 3D models are built from open-access LIDAR raw data.





2022 – 2023 Digital resurveying of hillforts of Latvia, Estonia, Lithuania using 3D models

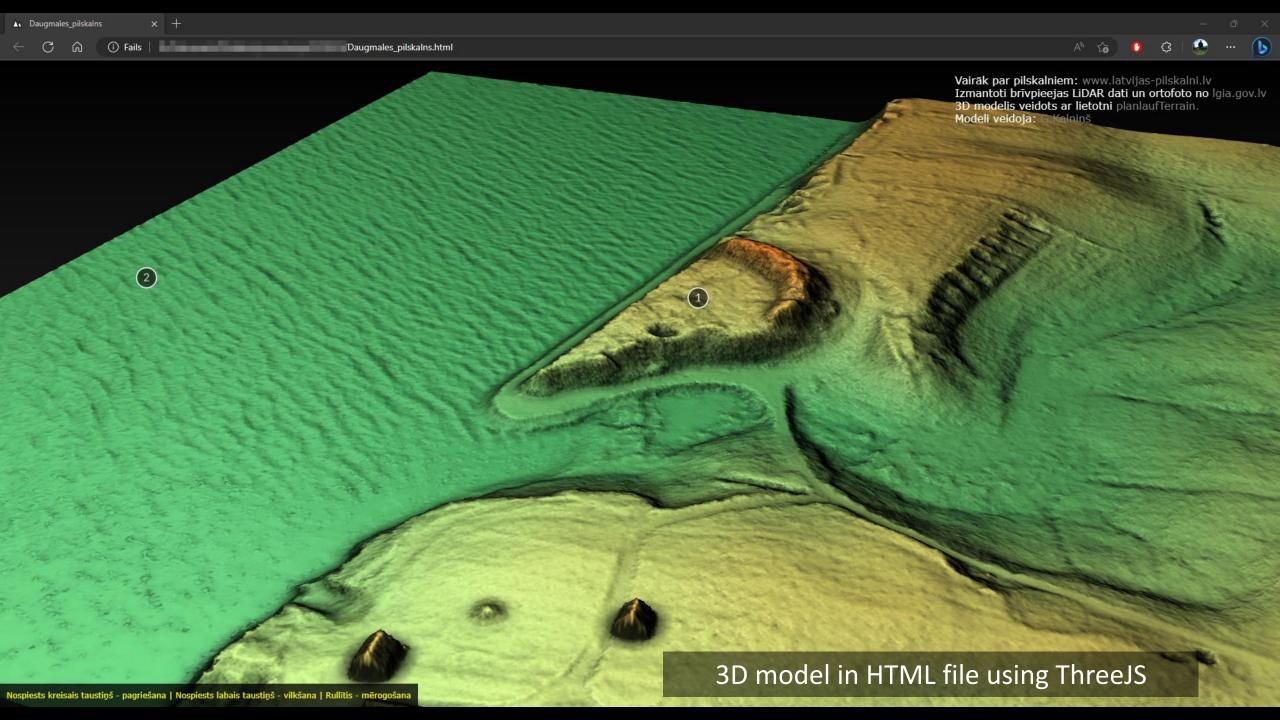


OPEN DATA REPOSITORY

- Opendata.latvijas-pilskalni.lv
- Learning materials
- Measuring data
- 3D models of hillforts (total ~ 1123 models)
- Photos of hillforts
- Xml and Json data files









Typical folder structure

```
ThreeJs
     Daugmales_pilskalns_ortofoto.zip

    Daugmales_pilskalns.zip

- Sketchfab
 Daugmales_pilskalns.zip
- PlanlaufTerrain mobile
 — PlanlaufTerrain_mobile.zip
- PlanlaufTerrain
     Daugmales_pilskalns6.jpg

    Daugmales_pilskalns5.jpg

    Daugmales_pilskalns8.jpg

    - Platums.jpg
    - Garums.jpg

    Daugmales_pilskalns3.jpg

    Plakuma_garums.jpg

    Daugmales_pilskalns2.jpg

    Daugmales_pilskalns7.jpg

    Plakuma_platums.jpg

    Daugmales_pilskalns4.jpg

    Daugmales_pilskalns10.jpg

    Daugmales_pilskalns_ortofoto.jpg

    Daugmales_pilskalns9.jpg

    - Daugmales_pilskalns.jpg
     Daugmales_pilskalns.plfzip
 Avoti.txt
 latvia.png
```

CHALLENGES AND ISSUES

- Each country has its own approach for Lidar data providing
- Different Lidar data quality
- Citizen science projects currently do not have access to state-provided data repositories for data backup
- Citizen science projects currently do not have a conditional "green corridor" for informing the public about the development of the project (for example, press releases are sent to a national news agency, but this news does not reach the mass media)

DEVELOPMENT PERSPECTIVES

- A new website with united data of ancient sites and mound sites
- Route planner for travelers
- An improved open data repository containing more metadata dimensions, shape, location characteristics (eg river catchments), etc.
- A mobile app that would make it easier to find objects in nature with the help of augmented reality

THANK YOU FOR YOUR ATTENTION

www.latvijas-pilskalni.lv opendata.latvijas-pilskalni.lv www.senvietas.lv

www.hillforts.eu

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