Mapping grandma`s milk churn stands

Milk churn stands in Latvia

~ 1910 first dairies = first cement milk churn stands for carriage

~ 1938 first milk trucks appear = first wooden milk churn stands

~ 1960ies, 70ties more milk trucks = more milk churn stands

~ 1990ies from kolkhozes to individual farms

~ 2000ies and now from small to modern farms = less milk churn stands

Milk churn stands abroad

- Milk churn stand preservation society (MJÖLKPALLEN - Föreningen för dess bevarande), World`s largest milk churn stand (Guinnes record), movie in Sweden
- Village name plates attached to milk churn stands in Nordic countries

Do milk churn stands need IG? Yes!

instagram.com/pina_golds/

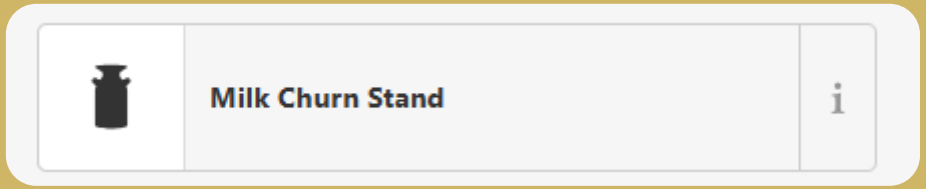
- Documentation of agricultural and cultural heritage
- They express people`s creativity, imagination and taste
- Milk churn stands bring back warm memories on childhood

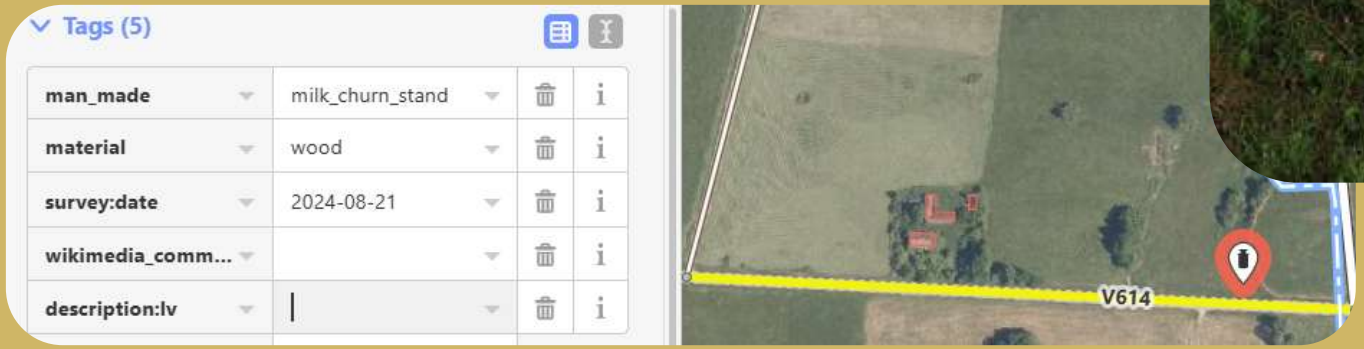
Do milk churn stands need OSM? Yes!

- “Do you have this milk churn stand in your collection?”
- “Wait, are they still existing?”
- “I think I have seen them only somewhere deep in Latgale”
- “Will they exist in 10-20 years?”
- About 1500 milk churn stands mapped abroad

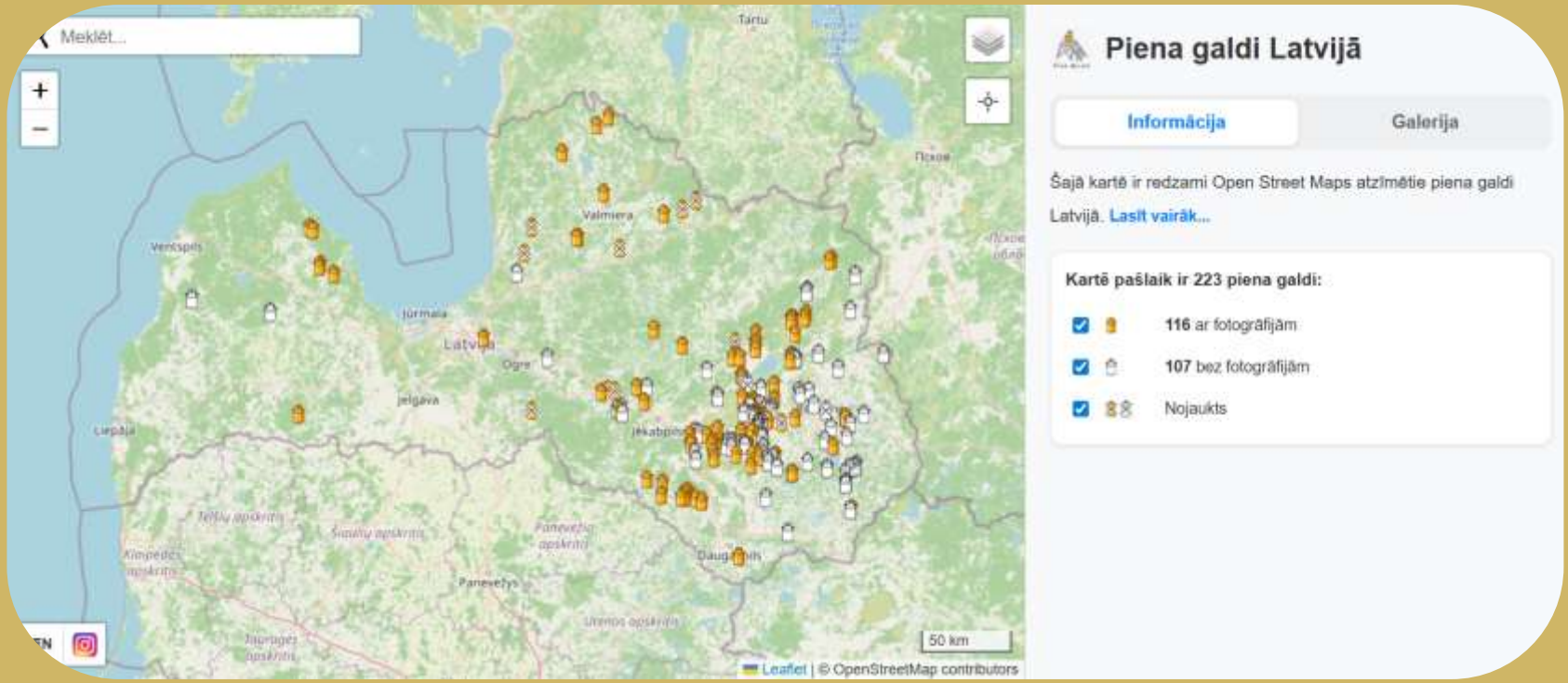
Let`s map a milk churn stand!

- Tags used: milk_churn_stand, material, survey:date, wikimedia_commons, description:lv





Do milk churn stands need their own page? Yes!



Do milk churn stands need their own page? Yes!

https://piena-galdi.lv/ | All is saved in my github
https://github.com/APizich/piena-galdi

TOOLS Python, Overpass API (OpenStreetMap), Wikimedia Commons API, Leaflet.js and HTML/CSS/JS

AUTOMATED WORKFLOW & FEATURES

Data aggregation: a continuous Python backend queries the OpenStreetMap (Overpass) API to extract all objects tagged as milk_churn_stand within Latvia's borders

Interactive Web GIS: A responsive Leaflet-based frontend visualizes the aggregated JSON dataset. It uses custom cartographic markers to instantly differentiate between stands with photos, without photos, and those marked as demolished.

Media Integration: Automatically cross-references map data with the Wikimedia Commons API to fetch associated high-resolution photographs, bilingual descriptions, and capture dates.

Dynamic UI & Filtering: Features a bilingual (EN/LV) interface with a built-in image gallery, dynamic spatial filtering and a custom URL-sharing system to link directly to specific objects.

Let`s meet by milk churn stands!

Photos by: Kristīne Pokratniece, Aivis Pīzelis, UL FH Institute of Latvian History (E4, 1661), Midvinterduell movie poster, Andris Čunčulis, Daina Blažēvica, Ieva Babre, private archive