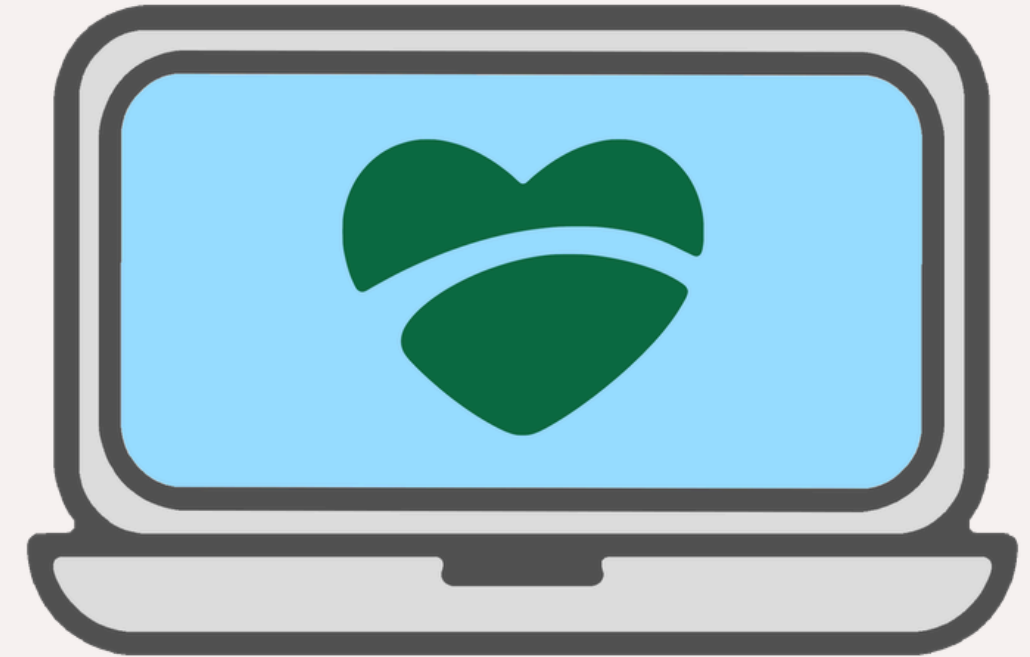




Presenter

Otso Valta, Avoïn Map's CEO



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Agenda

1. Project Partners and Pilot Region
2. Project Summary
3. Objectives
4. Resulting Pilot Web Services
 - a. Energy Map web application
 - b. Zoning Map web application
 - c. Activity Map web application
5. Open-source documentation
6. Stakeholder Engagement
7. Discussion



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Project Partners and Pilot Region



Avoin Map: Open-source geospatial tools and design.



Feydec: Software and geospatial development.



Saatsi Architects: Energy-smart renovation and rural architecture.

Pilot Region: Mallusjoki, Finland.



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Summary

- Avoin Map develops an open-source, web-based map platform that combines spatial data, planning tools and local information in one accessible digital environment.
- The project supports sustainable rural development by connecting energy renovation, climate-smart zoning, local activities, cultural heritage and community participation.
- Developed with stakeholders in the Mallusjoki pilot region, the project delivers three complementary services: Energy Map, Zoning Map and Activity Map.



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Objectives

- Make environmental and geospatial data easier for residents, businesses, property owners, planners and municipalities to understand and use.
- Support informed decisions by visualising the economic and environmental impacts of energy renovations, land-use choices and other development scenarios.
- Strengthen rural vitality, community participation and rural–urban connections through open, replicable and user-friendly digital services.



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Resulting Pilot Web Services

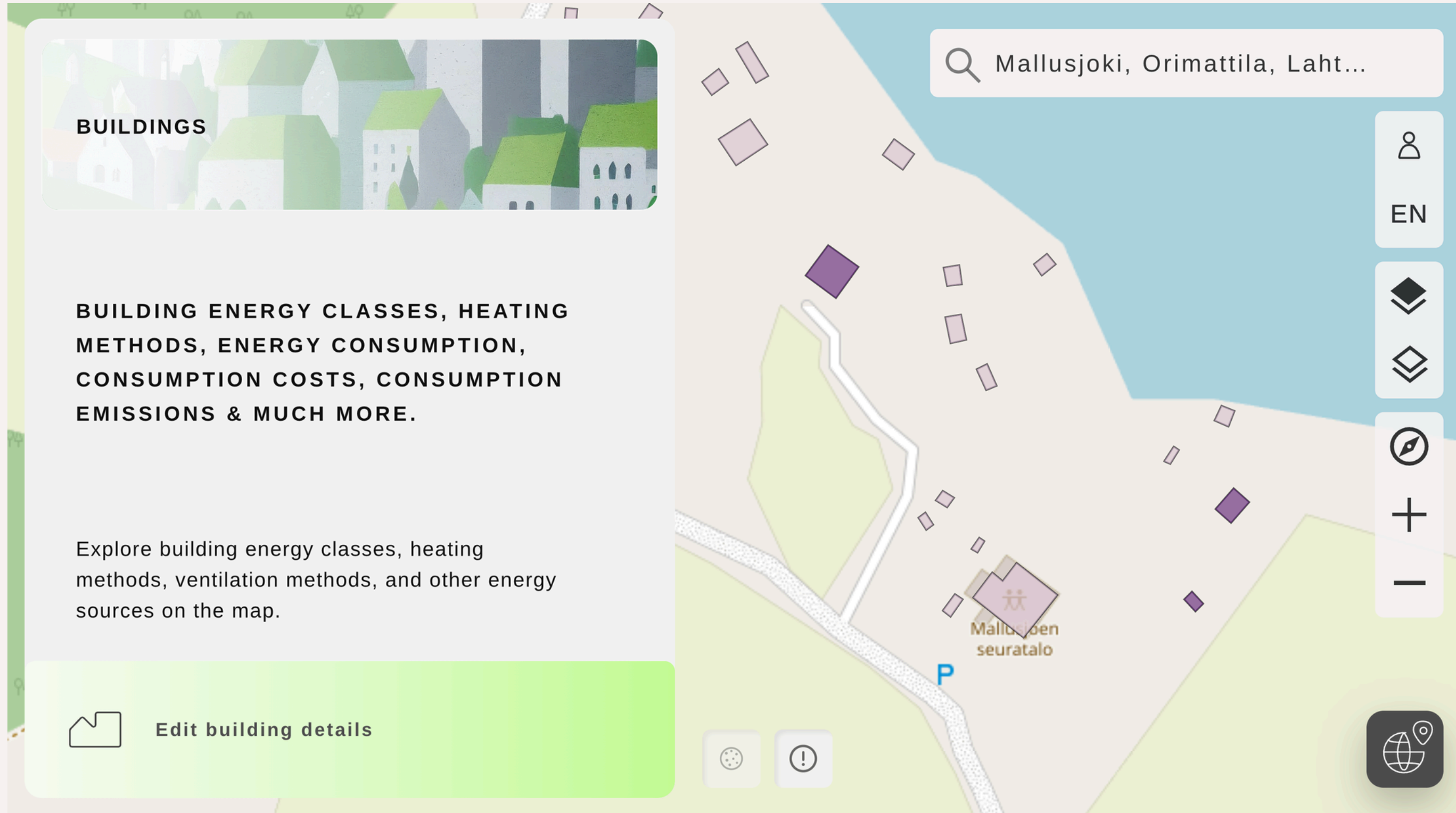
- **Energy Map** helps users assess building energy consumption and compare the costs, emission reductions and other impacts of different renovation measures.
- **Zoning Map** visualises how land-use and zoning choices affect carbon stocks, biomass and environmental sustainability, supporting climate-aware planning.
- **Activity Map** brings local events, services and cultural destinations onto an interactive map, improving their visibility and helping people discover the region.
- **Open-source Documentation:** <https://github.com/AvoinOrg>



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Energy Map



- Helps to estimate renovation options' impacts (€, kWh, CO2e)
- Web link
- Ask password for testing



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Zoning Map

avoin map 2026



- Helps to estimate land use soil and vegetation climate impacts (CO₂e) (example solar panels and powerline)
- Web link
- Ask password for testing



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Activity Map

 **Event planner**
JÄRVIKUNTA REGION

MAPPER'S DESTINATIONS

All

Culture

Natural attraction

Accommodation

STARTING FROM

dd.mm.yyyy

ENDING

dd.mm.yyyy

6 events



Niinikoski bird water

The forest terrain of Heinämaa is a diverse natural destination. The marked trail runs through spruce forests, birch forests and open meadows. In spring, the area is rich in...

Permanent event

Mallusjoki School, Mallusjoentie 35, Mallusjoki



Paka riverside landscape

At Pakaa, the Porvoonjoki River meanders through a beautiful valley. From the path along the river, you can see the floodplain meadows at their best in spring and the lush coastal foliage in summer.

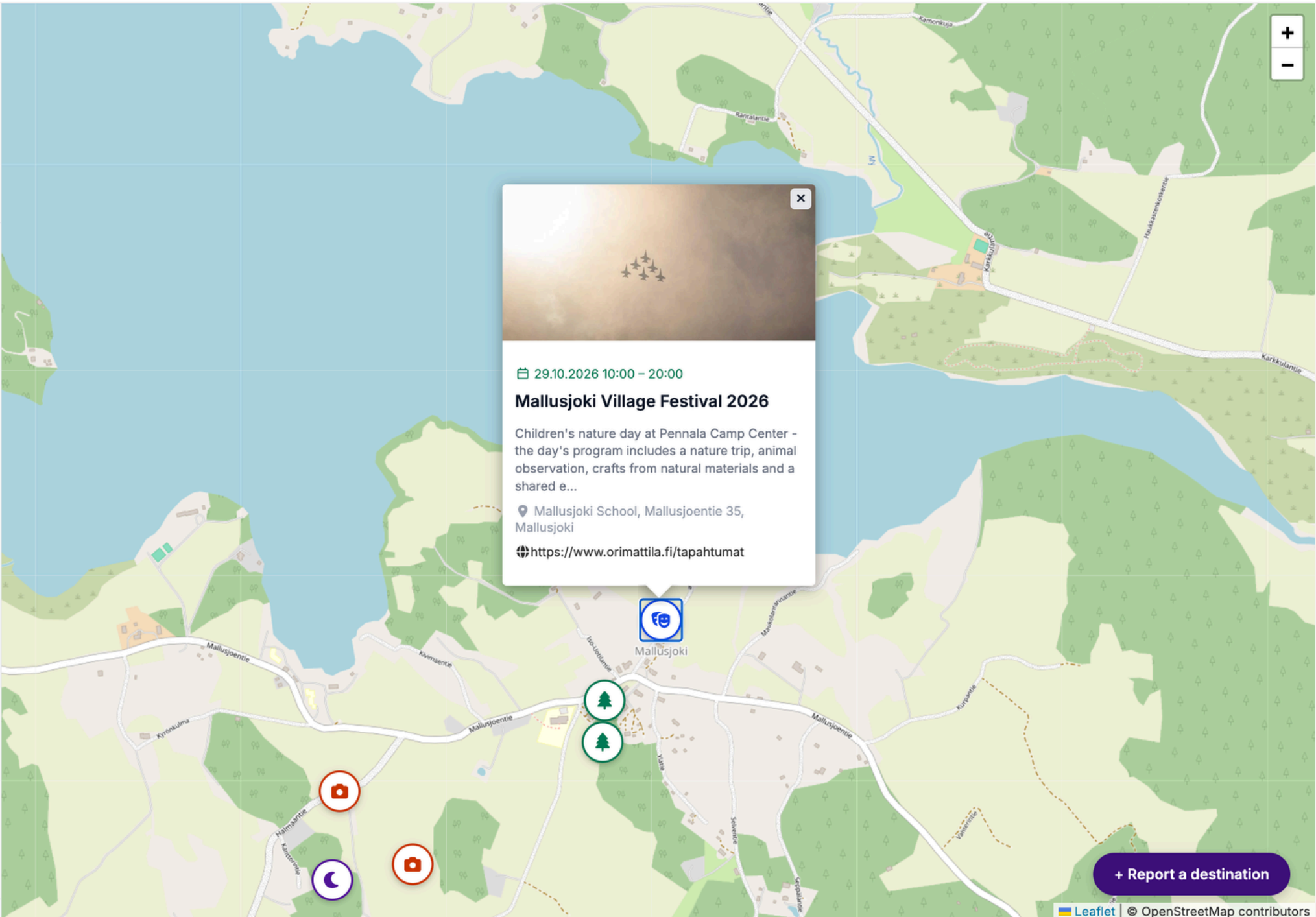
Permanent event

The courtyard of the Big House, Isotalentie 7, Mallusjoki



Luhtikylä holiday home

Staying in the atmospheric guest rooms of Heinämaa Manor is an experience. The old log manor offers a peaceful place to stay in beautiful natural surroundings.



29.10.2026 10:00 – 20:00

Mallusjoki Village Festival 2026

Children's nature day at Pennala Camp Center – the day's program includes a nature trip, animal observation, crafts from natural materials and a shared e...

Mallusjoki School, Mallusjoentie 35, Mallusjoki

<https://www.orimattila.fi/tapahtumat>

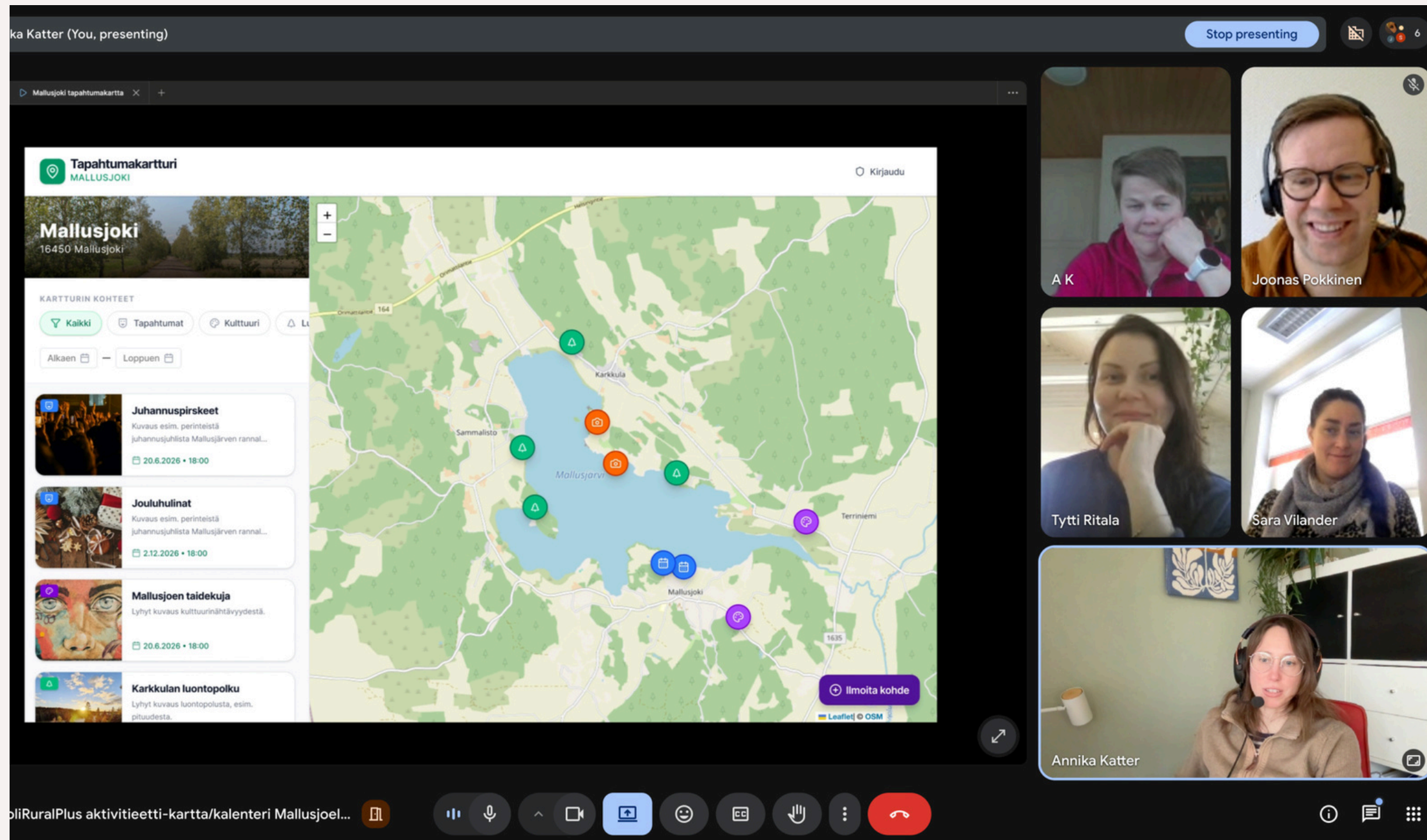
+ Report a destination

Leaflet | © OpenStreetMap contributors

- Helps to market and administer local events and activities
- Web link

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Stakeholder Engagement



- Stakeholder needs identified through workshops and interviews, refined through expert feedback, and aligned with existing services.
- Key stakeholders: Mallusjoki Youth Association, City of Orimattila, and Päijät-Häme Regional Council.
- Photo: Stakeholder Workshop on 23.3.2026



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Comments and Discussion



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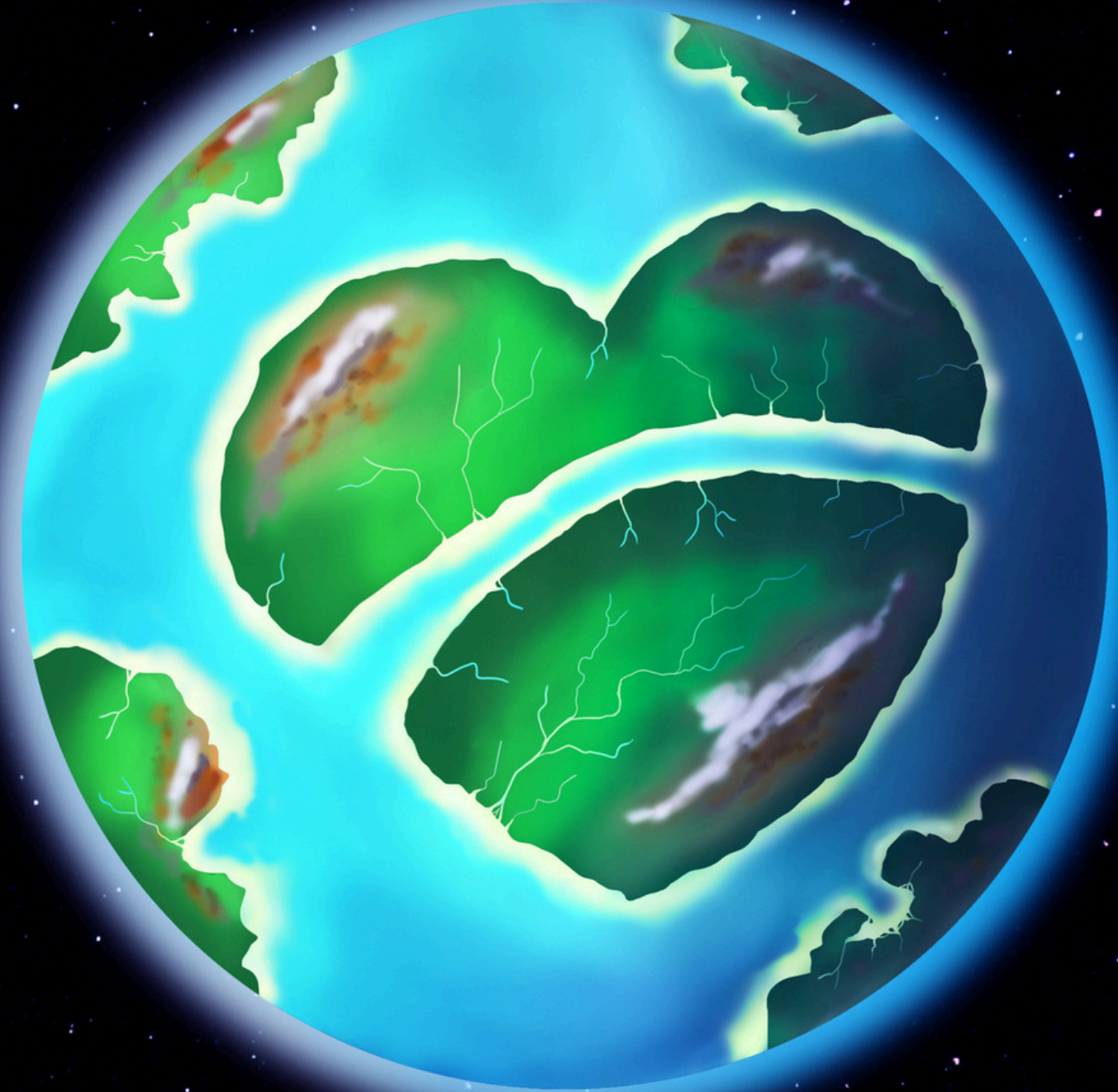
Thank you

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