

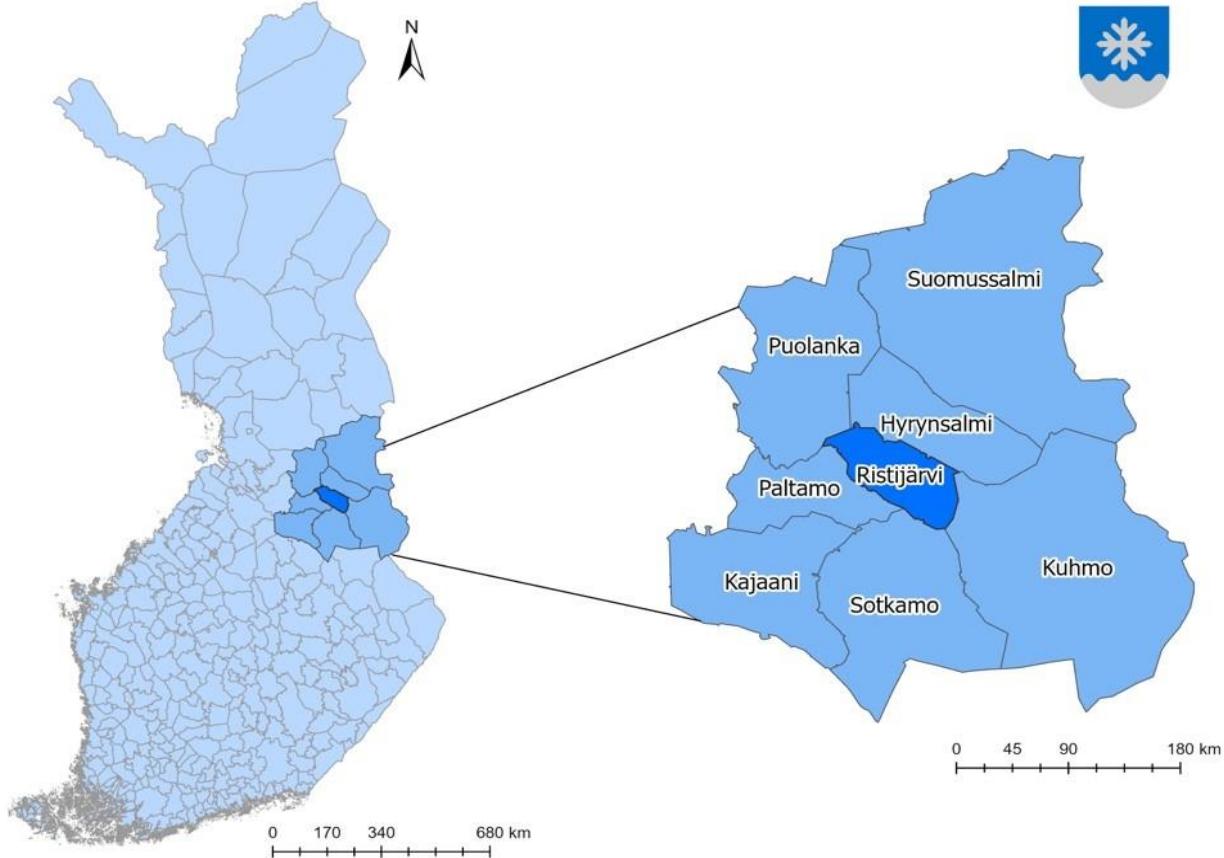


Sustainability and shrinkage in the rural community of Ristijärvi: Recommendations for future development

Ala-Tainio Maria, Culp Katie,
Bekric André, Kristensen Hvalkof Gustav,
Mackevičiūtė Agata, Rocena Paula,
Zalmeza Alise

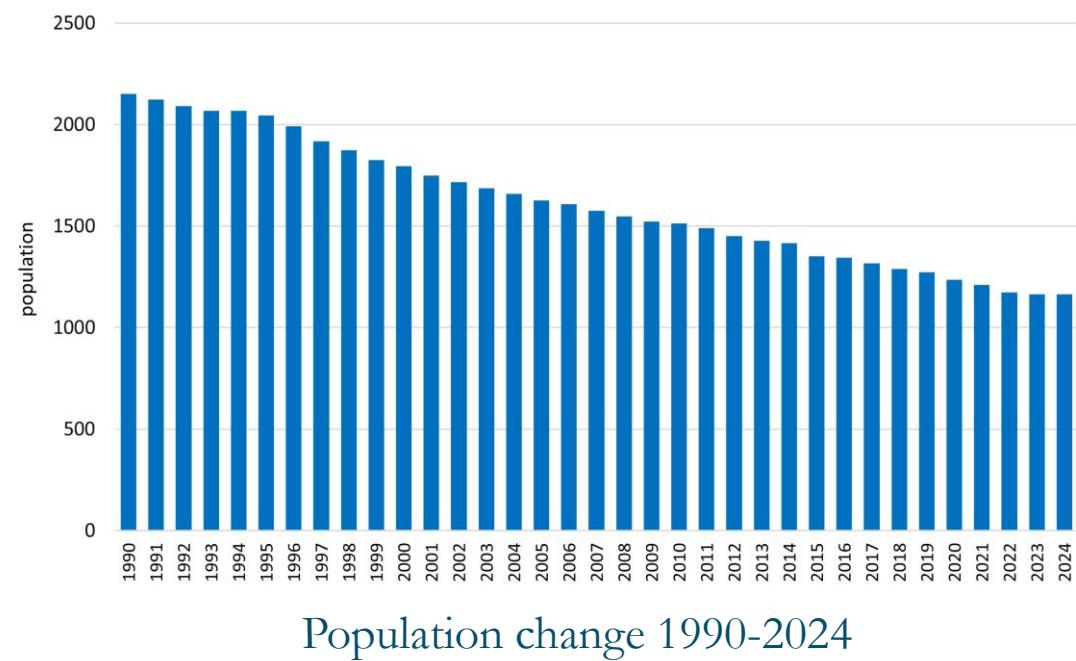


OVERVIEW OF THE RESEARCH AREA: RISTIJÄRVI

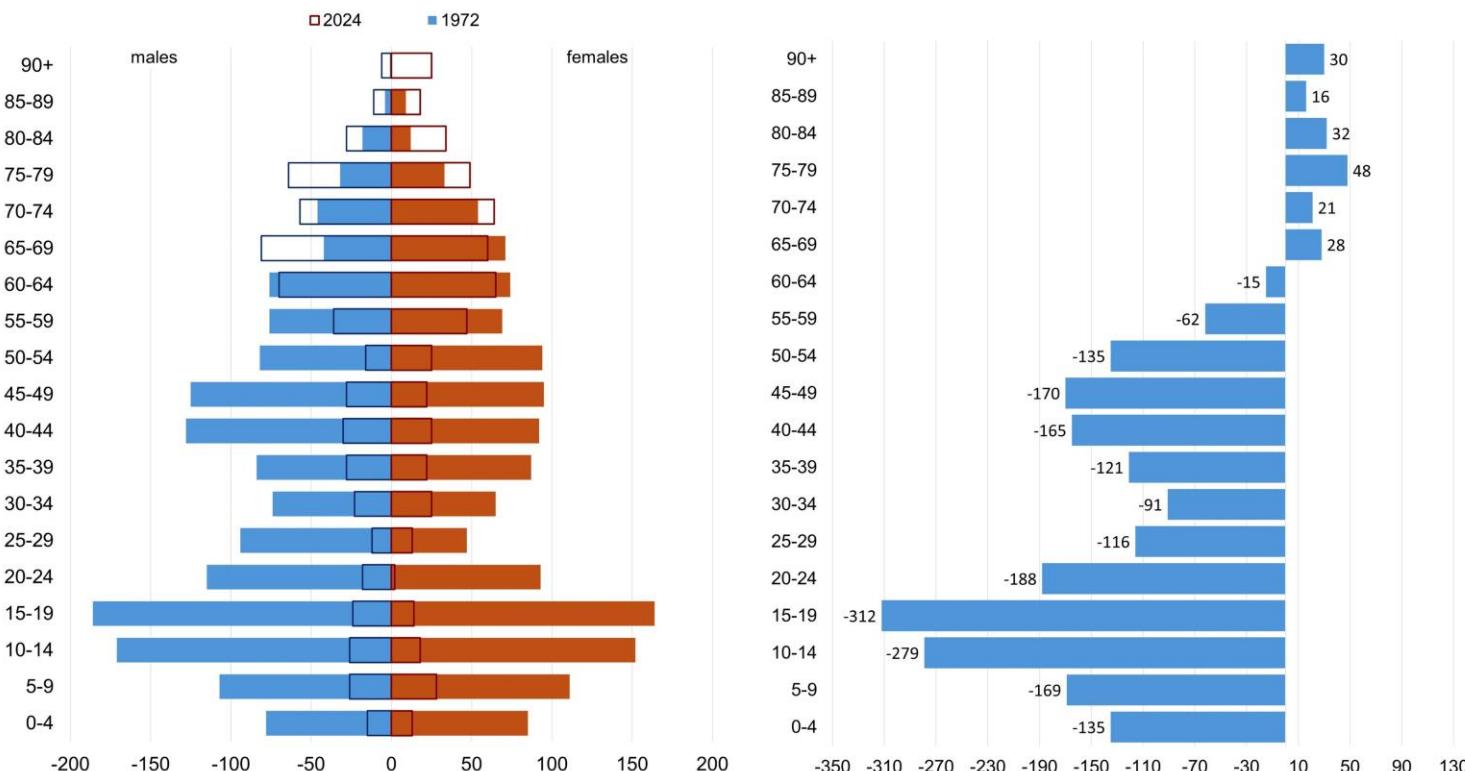


Ristijärvi

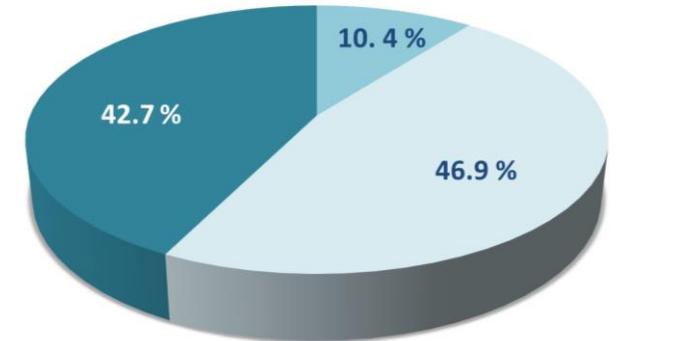
- The municipality of Ristijärvi was founded in 1867;
- Ristijärvi has an area of 898 km²;
- 1,163 inhabitants (2024) (peak 4,000+ in 1960s-1970s);
- 44 km to Kajaani (nearest city);
- Number of households 609 (329 families) and cottages 550



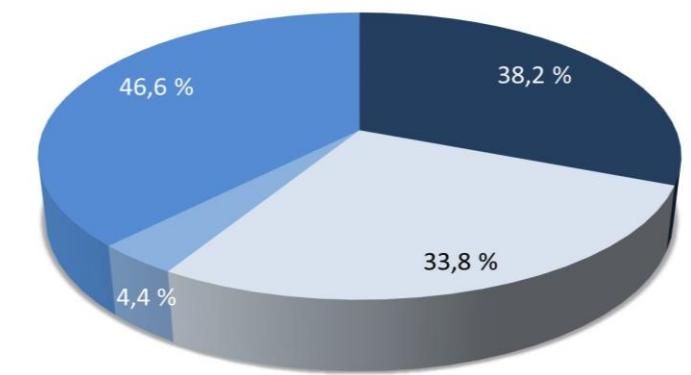
Population Structure: RISTIJÄRVI



Population structure and change in Ristijärvi 1972-2024 (Source: Statistics Finland 2025)



Age groups (2024)



Employment of the population (2023)

- ❖ 12.4% worked in primary production
- ❖ 15.7% in processing
- ❖ 71.1% in services

■ Labour force ■ Employed ■ Unemployed ■ Pensioners

Forestry

- ❖ 70 % of Finland's area
- ❖ Forests in Ristijärvi:
 - 1050 ha owns municipality
 - approx. 4000 ha belongs to church
 - 10 ha – NATURA 2000



Main industries in Ristijärvi area

Agriculture

- ❖ Makes up 4% of the companies
- ❖ Crop farming, including traditional rye production



4

Services

- ❖ High – quality and comprehensive
 - ❖ Healthcare
 - ❖ Beauty salon
 - ❖ Flea market
 - ❖ Grocery store
- ❖ Elementary school (grade 1-9)
 - ❖ Library
 - ❖ Etc.



OVERVIEW OF THE RESEARCH AREA: RISTIJÄRVI



Tourist attraction in Ristijärvi area (Esri 2025)





THE RESEARCH QUESTION:

What are the current challenges and potentials for growth in the small rural community of Ristijärvi?



1. To understand the role local community engagement can play in Ristijärvi sustainable development (and potential ecotourism) through observation and participation in local events.
2. To determine the extent to which policy frameworks support sustainable development in depopulating rural communities such as Ristijärvi through analysis of relevant frameworks, namely,
 - a. HINKU Network
 - b. Energy Efficiency Agreement (KETS)
 - c. The Forest Act
3. To investigate the challenges and opportunities perceived by community members in Ristijärvi through conducting a series of semi-formal interviews, a survey, and direct observation.



RESEARCH METHODS



Literature review



Visual observation



Interviews



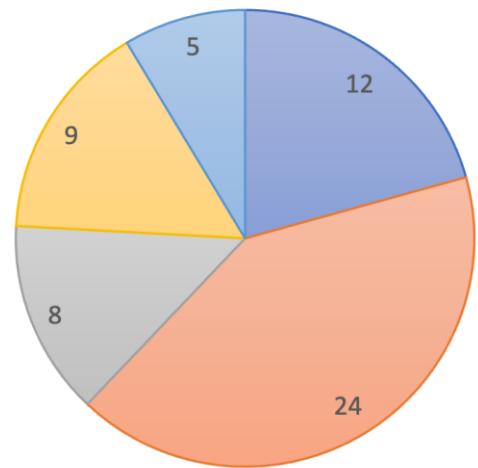
Survey



RESULTS - SUSTAINABLE DEVELOPMENT

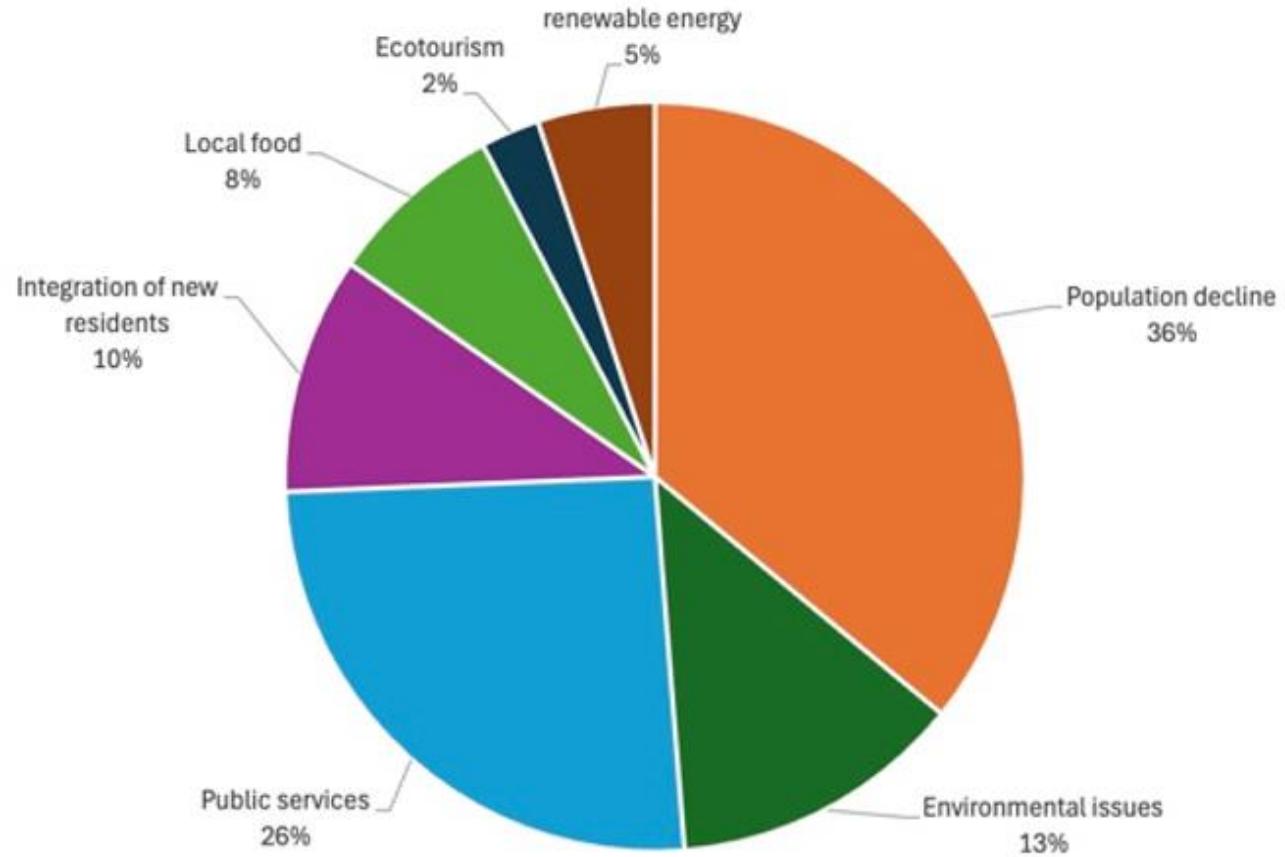


Importance of sustainable development for survey respondents



■ very important ■ quite important ■ slightly important ■ neutral ■ not important

Most important sustainability themes for respondents



Prevalence of sustainability topical discussion during past year, 2024-2025



● not at all
prevalent

● 'slighty
prevalent

● somewhat
prevalent

● quite
prevalent

● very
prevalent

Ecotourism

Public transportation, car sharing

Renewable energy

Local food

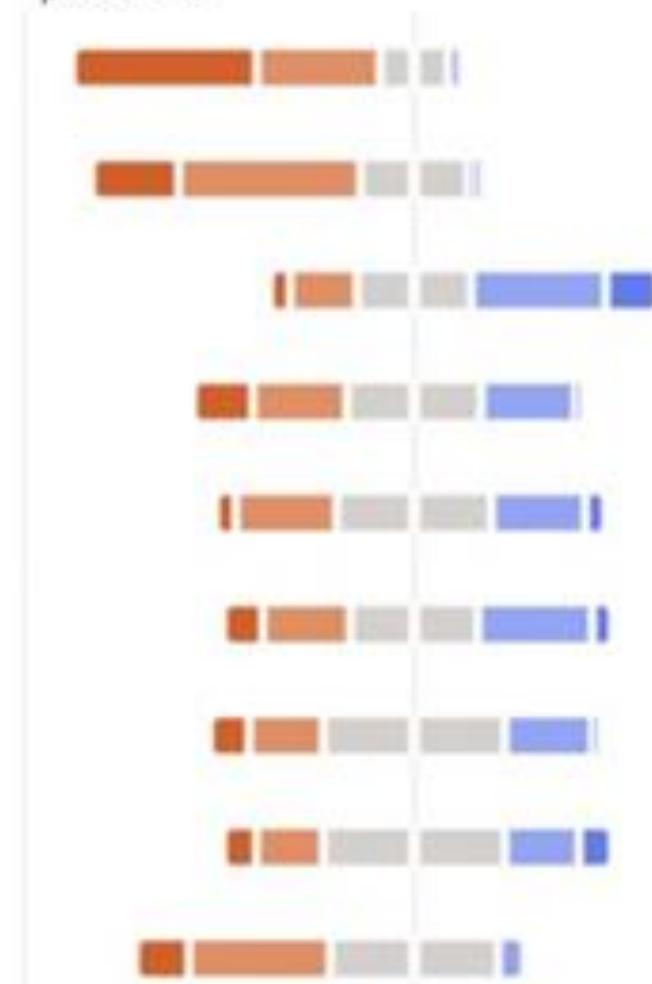
Environmental issues

Quality of public services

Forestry

Population decline

Adaptation of new residents



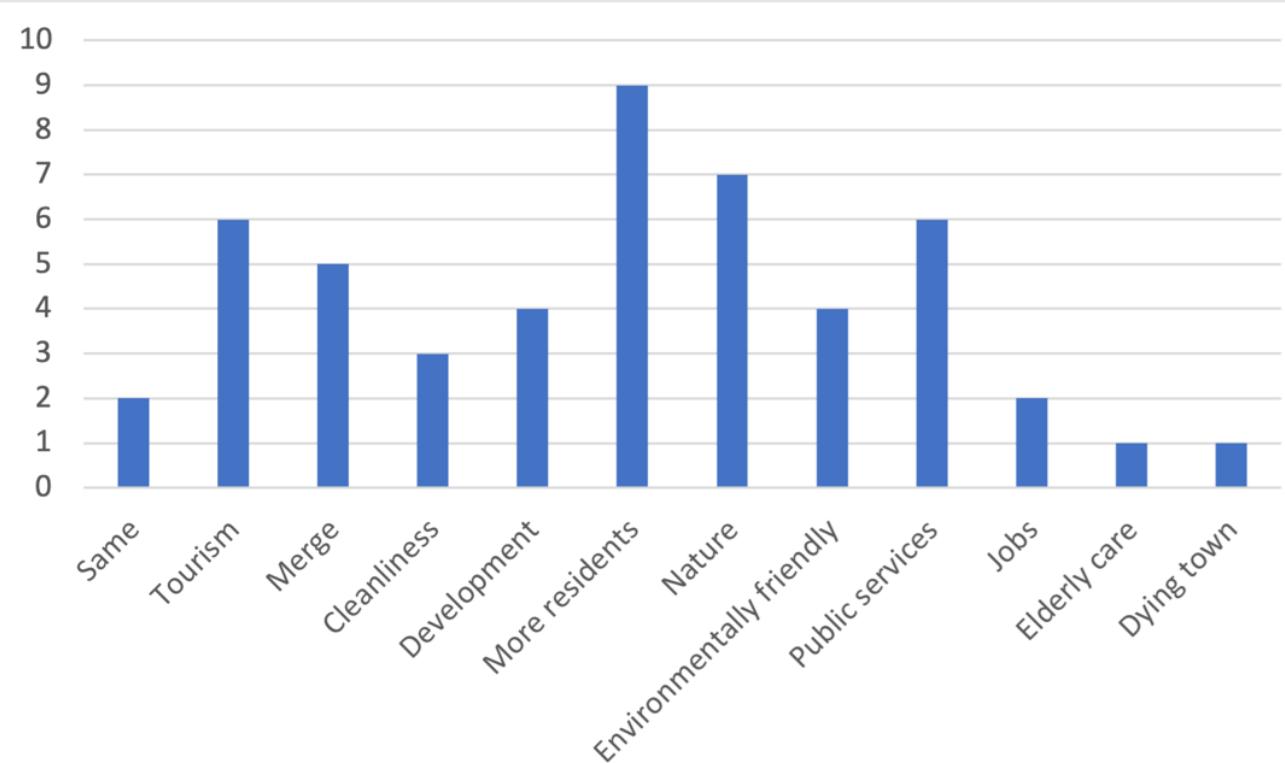
100%

0%

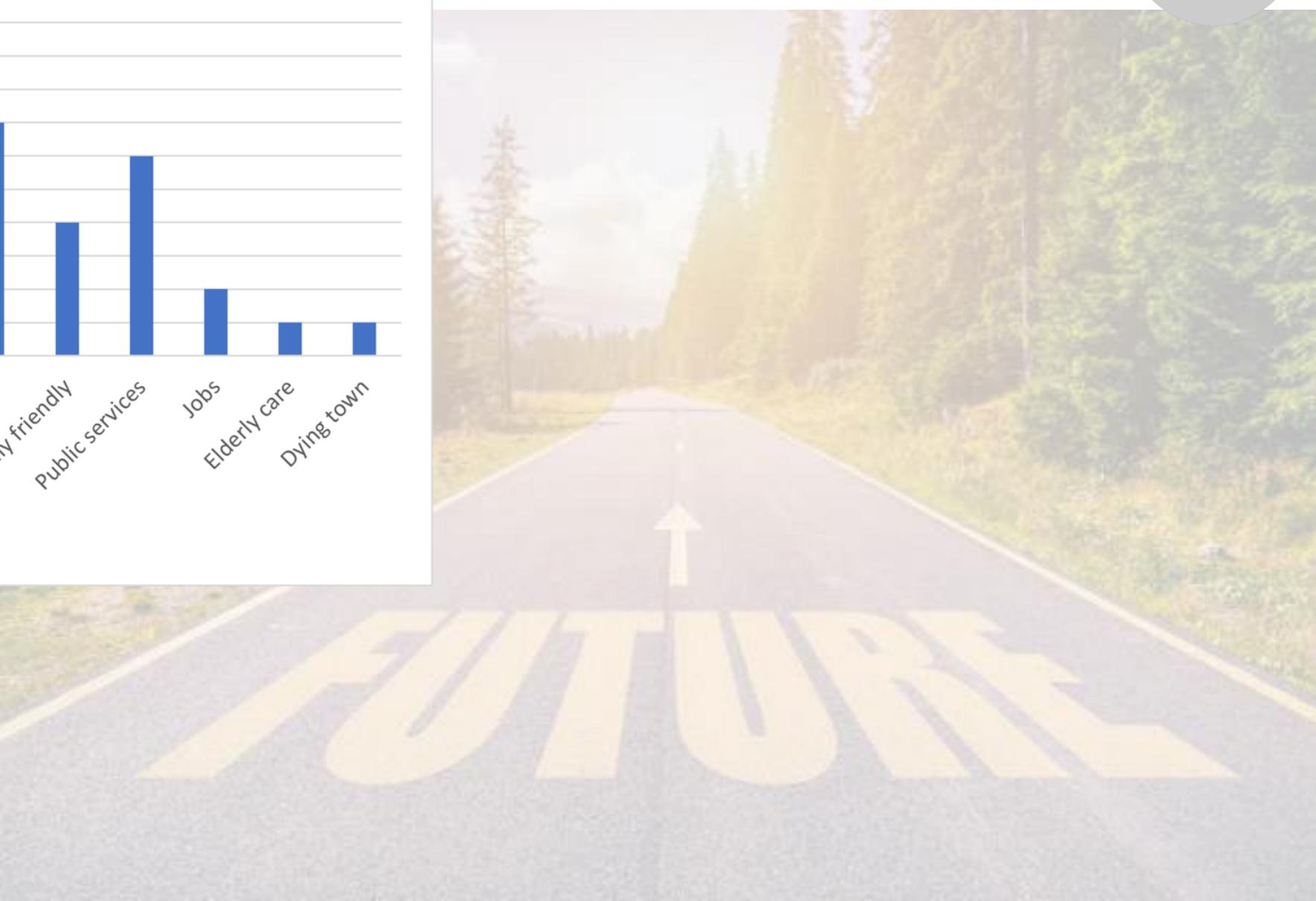
100%



RESULTS – FUTURE OF RISTIJÄRVI

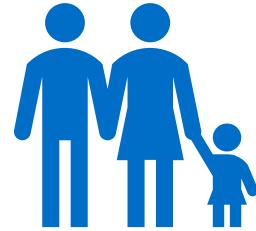


Number of mentions on survey responses when asked what respondents would like Ristijärvi to look like in 10 years.

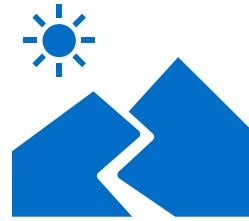




RECOMMENDATIONS



Clear focal point



Saukkovaara



Vocational
programs



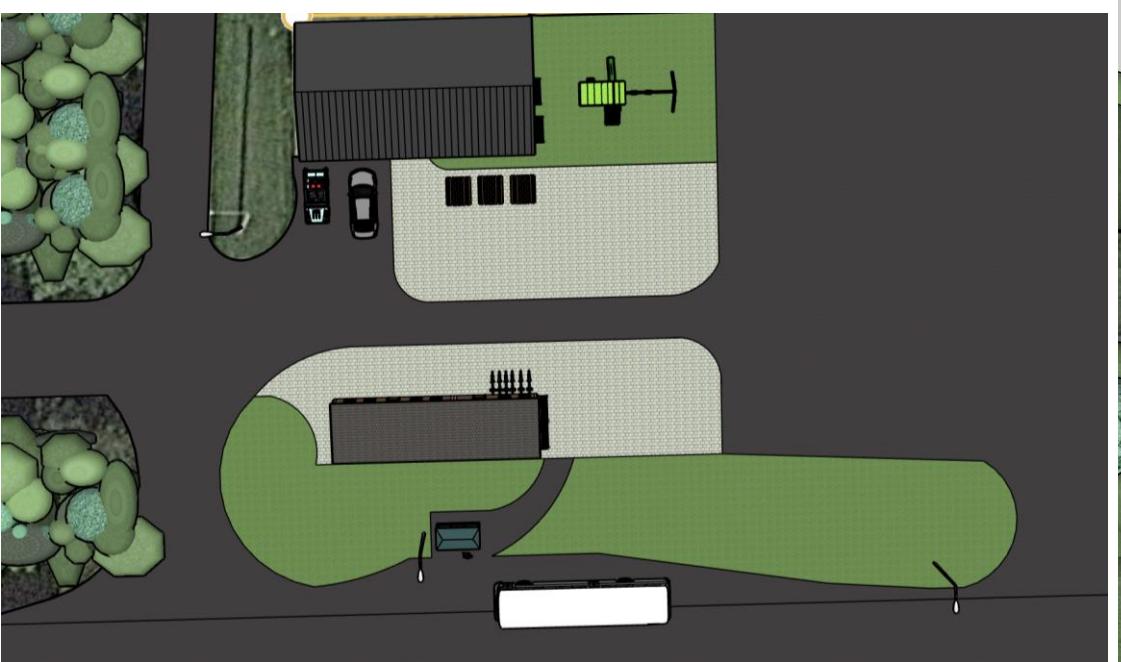
Marketing



Community with nearby
towns



Repurpose uninhabited
buildings





Conclusion

Ristijärvi has seen declining populations for many years but it is far from a dying town

References

- ACEM Press release (2019) *New Euro 5 environmental standard for motorcycles and mopeds to enter into force in 2020.* https://acem.eu/wp-content/uploads/2019/12/Press_release_New_Euro_5_environmental_standard.pdf
- Ahokas, H. (2020). Genetic resources in Finnish landrace rye (*Secale cereale*) and experimental evolving of its spring-habit from winter rye. *Suomen Maataloustieteellisen Seuran Tiedote*, 38. <https://doi.org/10.33354/smst.89475>
- Blamey, R. K. (2022) *Principles of ecotourism* Published in *The encyclopedia of ecotourism* Edit. Weaver, D. P. Urban and Environmental Program Research School of Social Sciences Australian National University Australian Capital Territory Australia
- Bolli, T., Oswald-Egg, M. E., & Rageth, L. (2021). Meet the need – the role of vocational education and training for the youth labour market. *Kyklos*, 74(3), 321–348. <https://doi.org/10.1111/kykl.12269>
- Camilleri, A. P. (2025). *An Evaluation of the Housing Benefit Scheme.* <https://housingauthority.gov.mt/wp-content/uploads/2025/02/An-Evaluation-of-the-Housing-Benefit-Scheme.pdf>
- Finnish Environment Institute. (2025, April 29). *Hinku network – towards carbon neutral municipalities.* <https://hiilineutraalisuomi.fi/en-US/Hinku>
- Esri. (2025). Finland Kuunat Boundaries. Retrieved 19.05.2025. https://services.arcgis.com/P3ePLMYs2RVChkJx/arcgis/rest/services/FIN_Boundaries_2023/FeatureServer
- Golzar, J., Noor, S., & Tajik, O. (2022). Convenience sampling. *International Journal of Education & Language Studies*, 1(2), 72-77. <https://doi.org/10.22034/ijels.2022.162981>
- Finnish Transport and Communications Agency Traficom (Accessed 20.05.2025) *Getting a driving licence for a moped or a light quadricycle.*
- Hermans, M. (2016) *De Antisad: pionier van Kleiner groeien.* Nai010 ISBN: 9462082863.
- John Wylie (2005) *A Single Day's Walking: Narrating Self and Landscape on the South West Coast Path*, Transactions of the Institute of British Geographers, New Series, Vol. 30, No. 2, pp. 234-247. URL: <http://www.jstor.org/stable/3804521>
- Kainuun seutukuntaliitto (1983) *Ristijärvi teollisuuden sijaintipaikkana* Julkaisu II: 73. Kajaani. ISBN: 951-9329-76-8
- Karppinen, L. (2013) *Ekomuseotapahtuma Karppala* available at: <https://www.youtube.com/watch?v=epQCjFJ55sE&t=2921s> referred: 21.5.2025
- Keegan, E. H. (2024). *Coastal heritage and how resilience can manifest in the face of change: in Rakiura, Aotearoa/New Zealand* [Master's thesis]. <https://hdl.handle.net/1946/48693>
- Loukasmäki, A. (2024, October 4). *Maitotilan uudistukset helpottavat Ristijärvellä tilan arkea sekä työtä ja ilmastoystävällisyys tulee kaupan päällisenä.* Yle. <https://yle.fi/a/74-20115608>
- Li, W., Hong, L., Hao, F., Zhiqiang F. & Wang, S. (2024) *A Simulation of the Spatial Expansion Process of Shrinking Cities Based on the Concept of Smart Shrinkage: A Case Study of the City of Baishan Land*, 13 (2), 239 <https://doi.org/10.3390/land13020239>
- Mehan, A. (2016). Investigating the Role of Historical Public Squares on Promotion of Citizens' Quality of Life. *Procedia Engineering*, 161, 1768–1773. <https://doi.org/10.1016/j.proeng.2016.08.774>
- Metsähallitus. (n.d.). *Forestry in Finland.* <https://www.metsa.fi/en/responsible-business/metsahallitus-forestry/forestry-in-finland/>

- Ministry of Agriculture and Forestry. (n.d.). *Forest Act*. <https://mmm.fi/en/forests/forestry/sustainable-forest-management/forest-act>
- Motiva Oy. (n.d.). *Energiatehokkuussopimukset 2017–2025*. <https://energiatehokkuussopimukset2017-2025.fi/>
- Oiva Turpeinen, Kaarlo Arffman, Eero Oikarinen, Ristijärven kunta, & Ristijärven seurakunta. (2004). *Ristijärven historia*.
- Parker, C., Scott, S., & Geddes, A. (2019). Snowball sampling. *SAGE research methods foundations*. <https://eprints.glos.ac.uk/id/eprint/6781>
- Rikkinen, K., Heikkinen, J. & Tiitta, A. (1986) *Finlandia: Otavan iso maammekirja 8, Pohjois-Pohjanmaa, Kainuu*. Otava Helsinki ISBN: 951-1-09142-5
- Ristijärvi Keskellä Kainuuta. (n.d.). *RISTIJÄRVI – in the middle of Cajania* [Unpublished presentation].
- Ristijärven kunta. (n.d.). Ristijärvi – keskellä Kainuuta. Retrieved May 19, 2025, from <https://www.ristijarvi.fi/kunta-ja-hallinto/ristijarvi.html>
- Ristijärvi 4H Association (n.d.) Accessed 21.05.2025. from <https://ristijarvi.4h.fi/>
- Schmidt-Thomé, K. & Lilius, J. (2023) *Smart shrinkage and multilocality – The appeal of hope, illustrated through Puolanka, a rural municipality in Finland*, Urban, Planning and Transport Research, 11:1, 2165140, DOI: 10.1080/21650020.2023.2165140
- Statistics Finland. (2024). Population by area, main type of activity, sex, age and year, 1987–2023. https://pxdata.stat.fi/PxWeb/pxweb/en/StatFin/StatFin_tyokay/statfin_tyokay_pxt_115b.px/
- Statistics Finland. (2025). Population according to age (1-year) and sex by area, 1972–2024. https://pxdata.stat.fi/PxWeb/pxweb/en/StatFin/StatFin_vaerak/statfin_aerak_pxt_11re.px/
- Thomas Dax & Michael Fischer (2018) *An alternative policy approach to rural development in regions facing population decline*, European Planning Studies, 26:2, 297-315, DOI: 10.1080/09654313.2017.1361596
- Tuukkanen, P. (2019) *Ekomatkailusta povataan matkailun seurvaavaa suurta ilmiötä – entistä useampi turisti etsii aitoja elämyksiä* YLE <https://yle.fi/a/3-10881577>



THANK YOU! QUESTIONS?