

WORKING WEEK 2021 20-25 JUNE

> Kalle Konttinen Paper ID-10867

Preliminary study for holistic approach assessing land consolidation effects

in Finland

23 June, 10:30 — 12:00

















content

 Preliminary study for holistic approach assessing land consolidation effects in Finland (article text)

 New ways of presenting need for land consoldations at agricultural areas in Finland – NLS Finland development project 2021















- Results of Research made by Natural Resources Institute Finland (Luke) 2019 – Effects of Land Consolidation
- Comparison of four rural municipalities
 - Sievi, 10 017 ha agricultural production
 - Haapajärvi, 9 436 ha agricultural production
 - Kiuruvesi, 23 607 ha agricultural production
 - Reisjärvi, 7 541 ha agricultural production
- Similar municipalities
- Only Sievi had experienced Land Consolidations (70 % agr. area) in modern times 2005-2020



















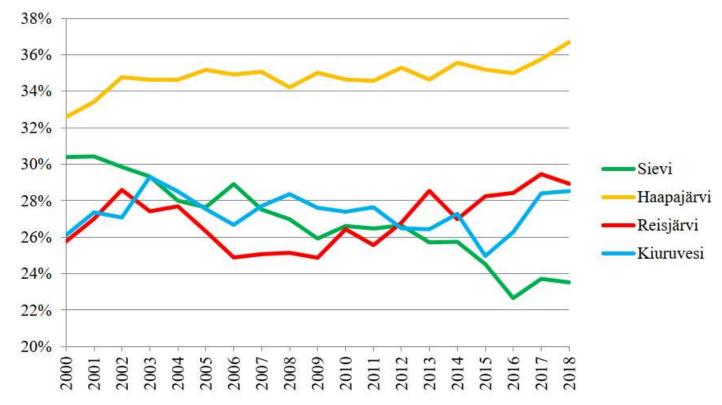


Figure 3. Percentage of rented land (2000-2018). Sievi municipality with extensive land consolidations compared with three other near-by municipalities where no actions were made. Source: Finnish Food Authority.

















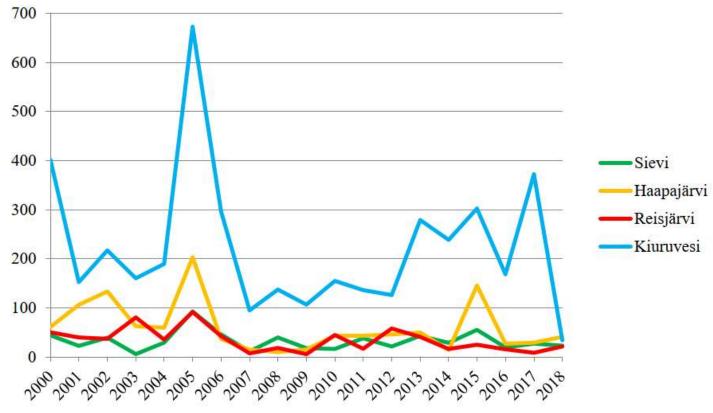


Figure 4. Cleared new land for cultivation per year (ha) during 2000-2018. Sievi municipality with extensive land consolidations compared with three other near-by municipalities where no actions were made. Source: Finnish Food Authority.

















 New ways of presenting need for land consoldations at agricultural areas in Finland

NLS Finland development project 2021









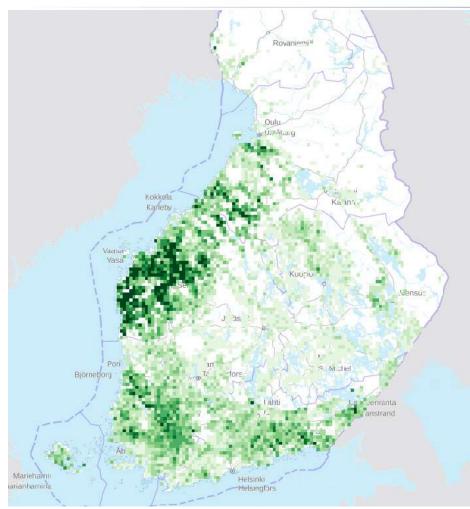












• Parcel growth potential in 5x5 km squares.

• Potential:

No A lot













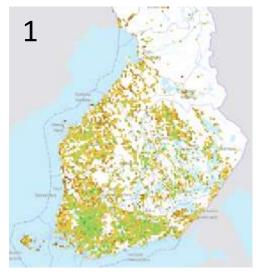


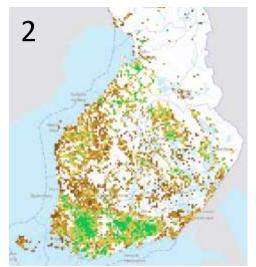


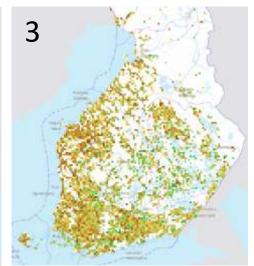
Farm delopment potential

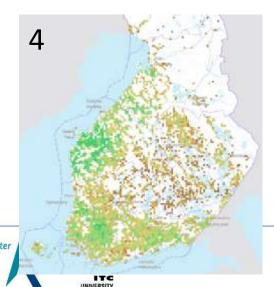
Combination of five different variable

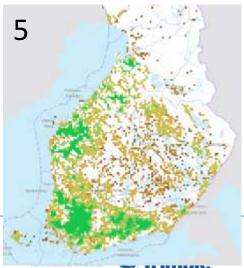
- 1. Farm parcels fragmentation
- 2. Average farming parcel size
- 3. Average farming distance
- 4. Parcel merge potential
- 5. All farmland 10 km from farmhouse













small











Parcel growth potential vs. Farm development potential

