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Preliminary study for holistic approach assessing land consolidation effects in Finland

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content

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

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

• NLS Finland development project 2021
• Parcel growth potential in 5x5 km squares.

• Potential:

No A lot
Farm development potential

Combination of five different variables:

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