

Greener Agriculture for Bluer Baltic sea - conference Helsinki 27.8. 2013

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M. sc. (agric.) Full time farmer in Town Saarijärvi, middle Finland

JAMK University Of Applied Sciences / Part time teacher of Agriculture Engineering.

Member of many environmental and countryside projects

WWF Baltic Sea Farmer of the year 2011 national Award in Finland.



Haapakoski family



"Valitsimme robottilypsyn, koska halusimme hyödyntää uutta tekniikkaa ja kehittää tilaamme eteenpäin, sekä tehdä työntekoa mielekkäämmäksi"

Mari ja Toni Haapakoski
Saarijärvi, 65 lypsylehmää

DeLaval VMS - ainutlaatuista robottilypsyä

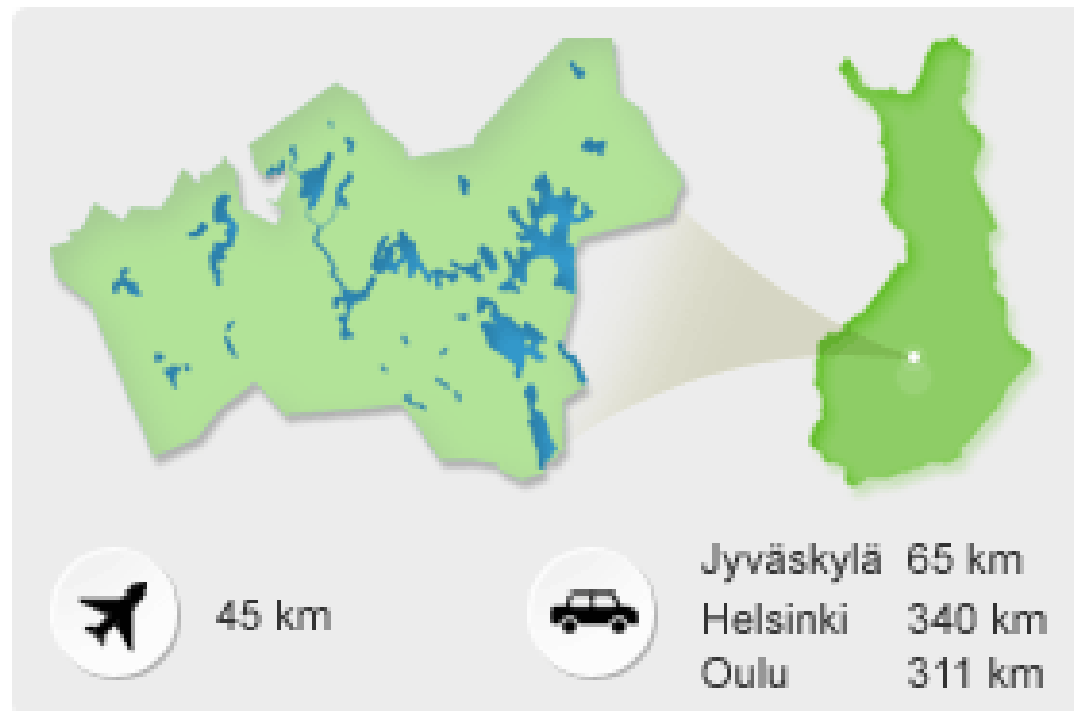


Koivurinne Farm

Situated in village called Kalmari, in central Finland by the Saarijärvi waterway. Lake Saarijärvi is part of the River Kymijoki catchment area discharging into the Gulf of Finland. Town Saarijärvi, about 75 km north-west from Jyväskylä.

Farm was established year 1905, now 4:th generation in progress.

Present owner starts as a farmer 2005.



Koivurinne Farm

Family farm with 188 hectares of conventional farming. 50 ha own.

Main practice is dairy production including 70 cows in robotic milking, plus 120 heads of young cattle and beef cattle.

157 hectares of forest in active use.

One fulltime worker.

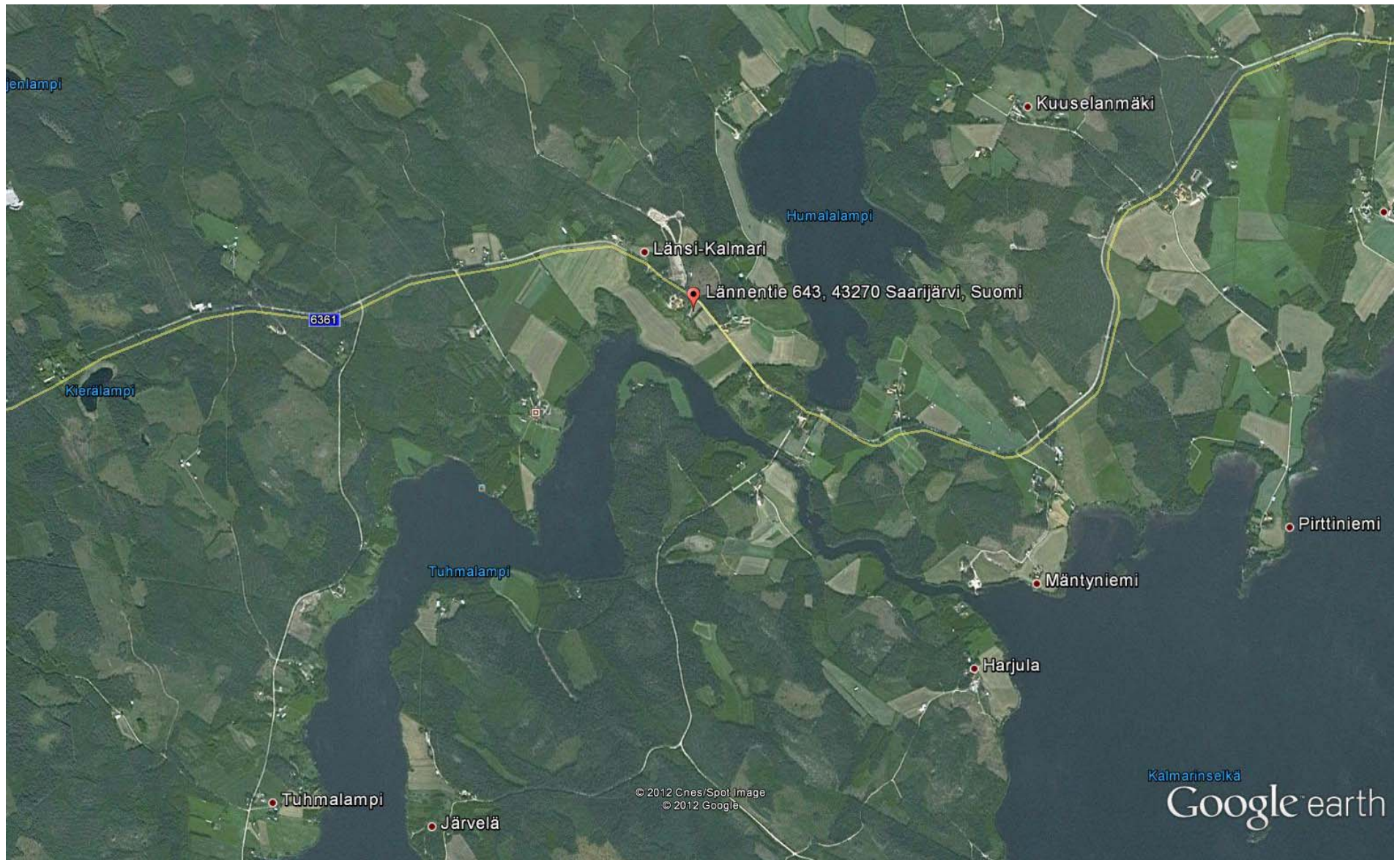
Farm uses a lot of contractors.

in field and forest operations.

Local “machine network” with
other farms.



Koivurinne Farm



Barn with robotic milking

(Build in 2008)



The national winner of Baltic Sea Farmer of the year 2011

Overview:

- 1) Modern Manure handling: adding micronutrients and sulphur in to the manure lagoon
- 2) Taking care of fieldsoil. Water capacity, nutrients and pH
- 3) Homemade feeding as much as possible. (Silage, barley, oats and wheat)
- 4) Manure spreading & placement & transport (Manure truck and containers)
- 5) All material which can compost, use as a fertilizer in the fields (trash of feeding, bad quality wood chips etc.)
- 6) Buffer zones between water and fields
- 7) Wetland collects nutrients over 800 ha
- 8) Producing heat energy by wood chips and trash of grain.
- 11) establishment of a network of experts that collect and provide information about environmental issues.
- 13) New innovations in agriculture (Low-cost manure & silage storages, fieldnavigators, varied techniques in cultivations)



Farm transport with trucks

Temporary storages = Fiberclay?



Buffer zone (Lake Alajärvi)

(Also neighbours has own zones => together we get bigger field section)

Viljelijätietojen selailupalvelu

Sivu 1/2



PERUSLOHKOJEN KARTAT

Peruslohkon tunnus	7290021660
Tilattu	729049673
Ensimmäinen viljely	1899
Pinta-ala (ha)	4,13
Digitoitu pinta-ala	4,13
Maankäyttölaji	Pelto
Luonnonhaittakorvaus	Kyllä
Ympäristötuki	Kyllä



Wetland project

(Construction step in the winter)



Wetland Winter

Build with financial aid of EU and MMM



Wetland Floodtime



Wetland Springtime



- My future wetland?
- Could it be.....
- Factory of biomass to animals ??
- My own fertilizerfactory ??
- Seed some plants??

My message (finnish aspect)

- We must learn good things about organic farming => is not the only solution
- Give possibility to access good yields => bigger nutrientlevels
- Administrations should look new ideas openminded
- To promote longer fieldrent times or fieldchanges
- Enviromental friendly farming can BE and MUST be profitable
- **ESTIMATE =>
CALCULATE =>
MEASURE => GIVE
RESULTS !!**

KIITOS !!

**Cows, nature's way of turning
vegetables into food...**



**If Batman ever feels the
need to become a farmer...**

