

Welcome to Europe INBO 2019



17th – 20th June

Lahti, Finland

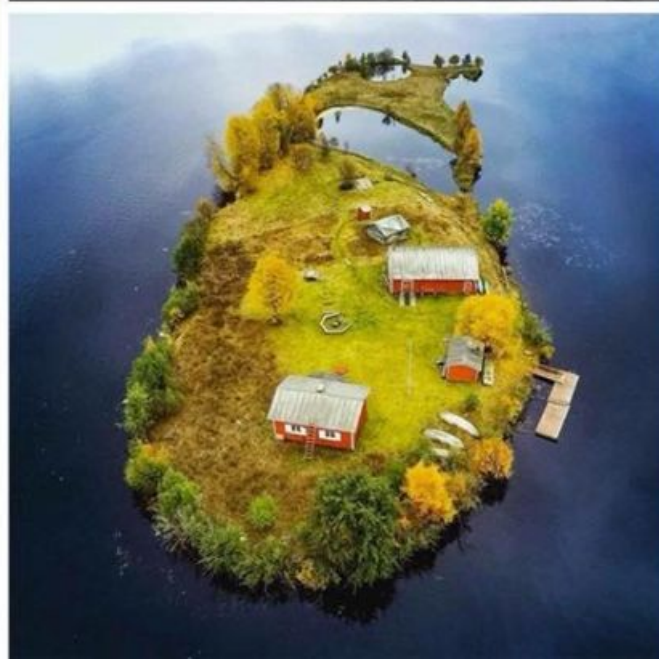
Sibelius hall



Visa Niittyniemi and Taina Ihaksi
ELY Centre for Southeast Finland

Satellite image at night

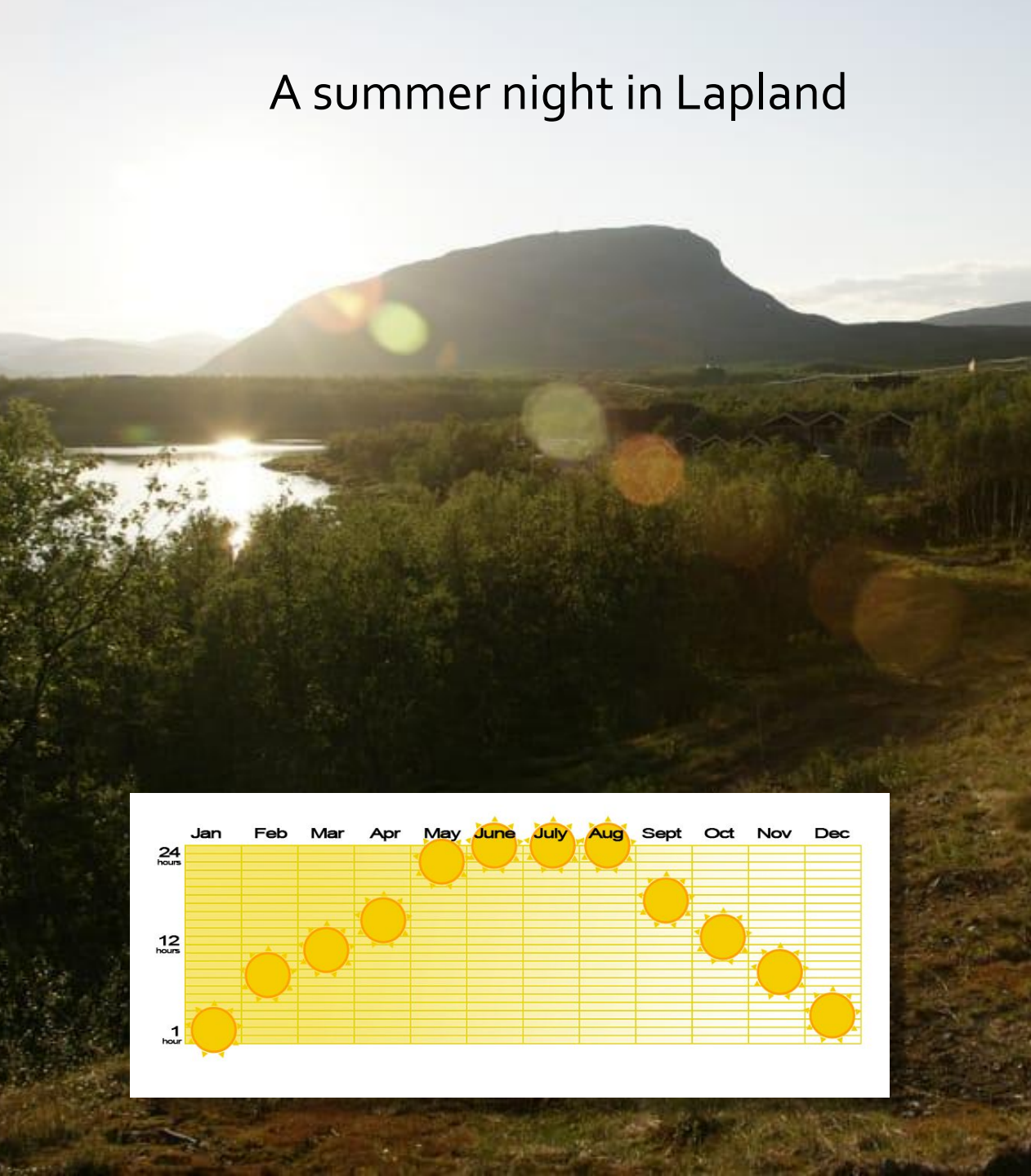




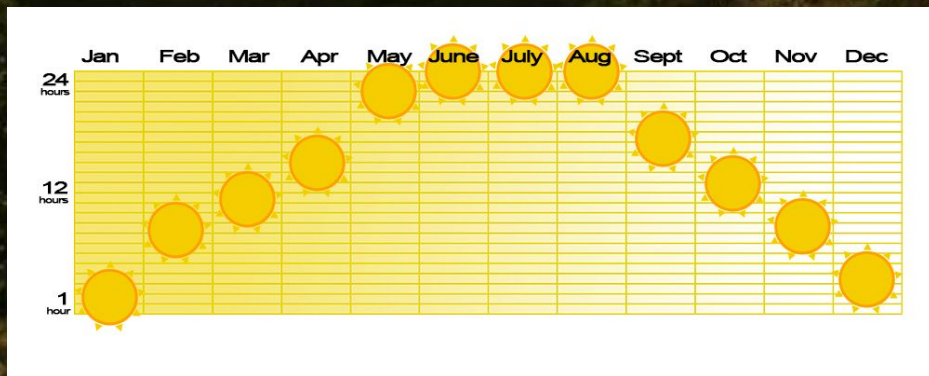
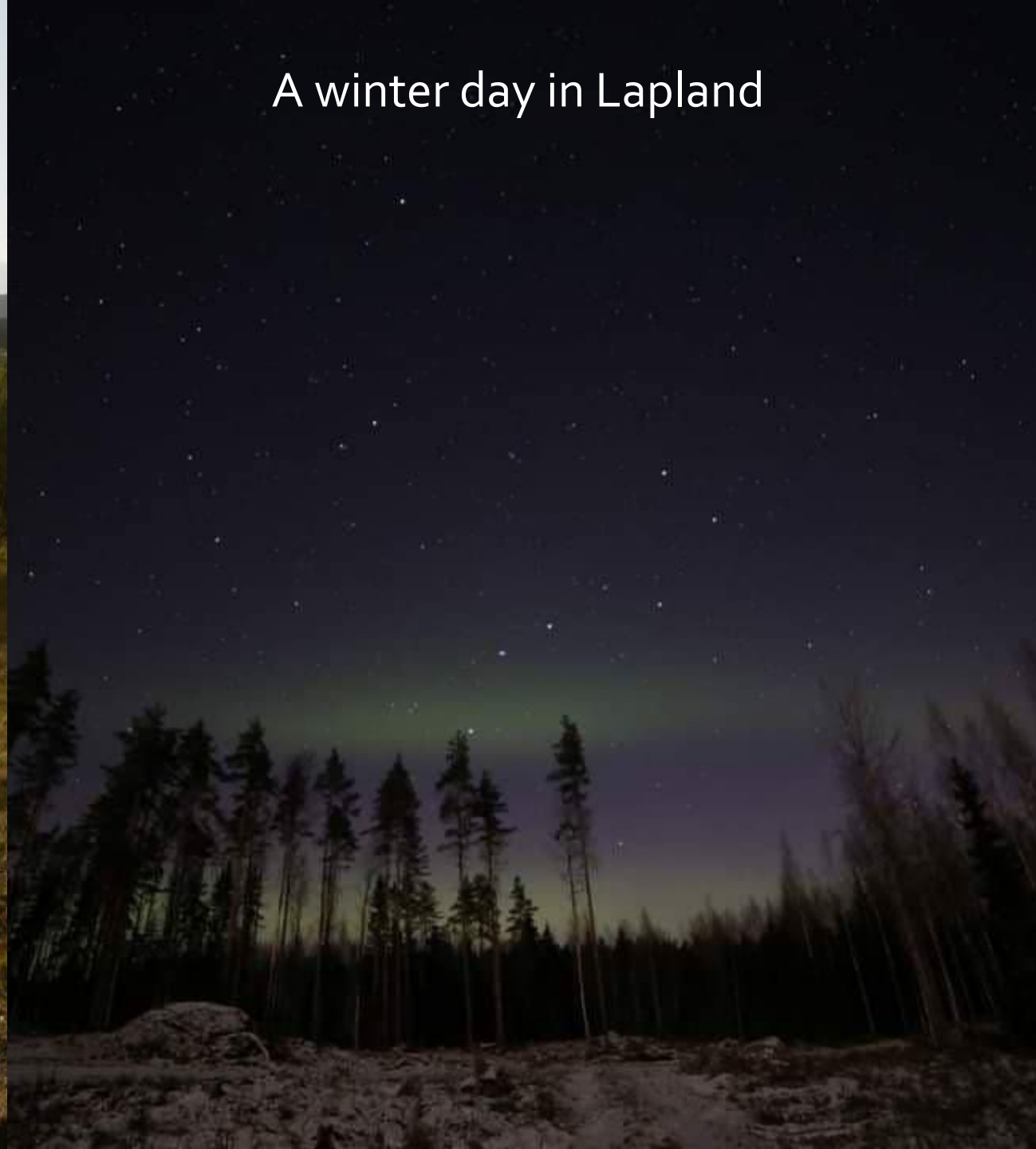
Two ways to split Finland



A summer night in Lapland



A winter day in Lapland

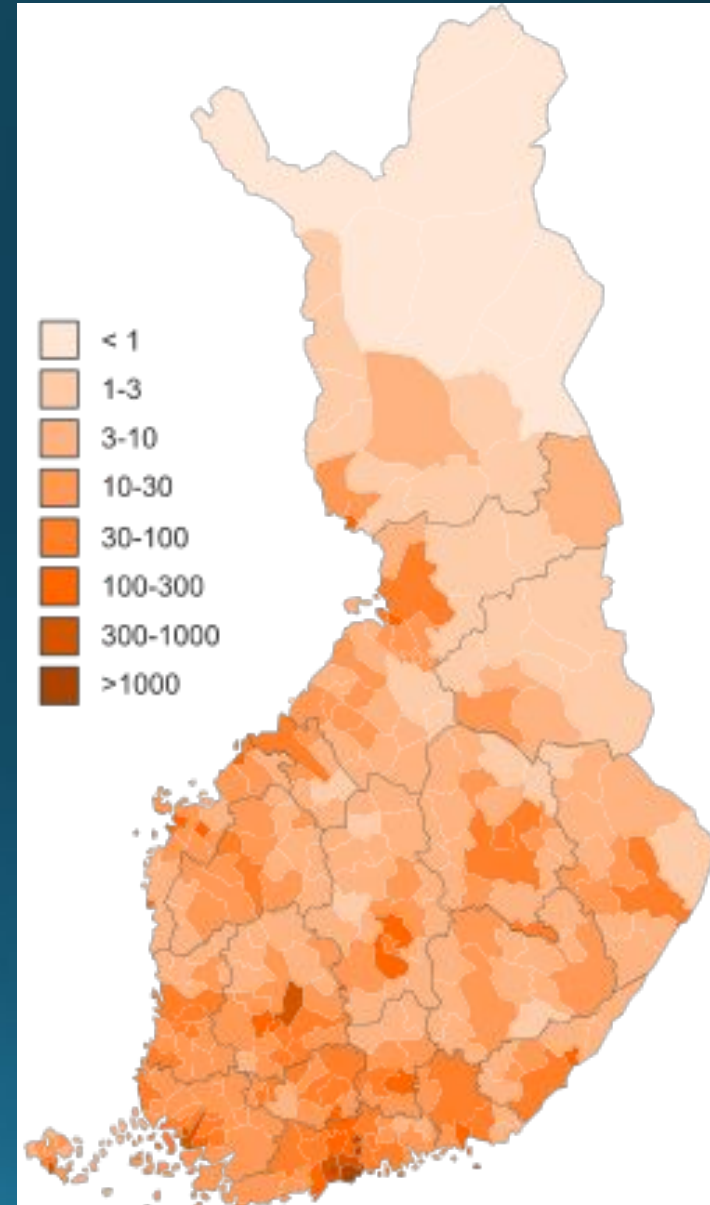


Finland

Surface area	390 908
Land	303 919
Surface water	34 533
Sea water	52 456
Borders, km	
Sweden	614
Norway	736
Russia	1 340
Territorial sea	1 250
Total	3 940



5 500 000 inhabitants



Finns love to be outdoors



...pick berries and mushrooms ...





... and go to the cottage and take a sauna

Finland is a land of thousands of lakes...

507 200 cottages

and 1 600 000 boats

Surface water bodies:

- 4617 lakes
- 1913 rivers
- 276 coastal

Ground water bodies:

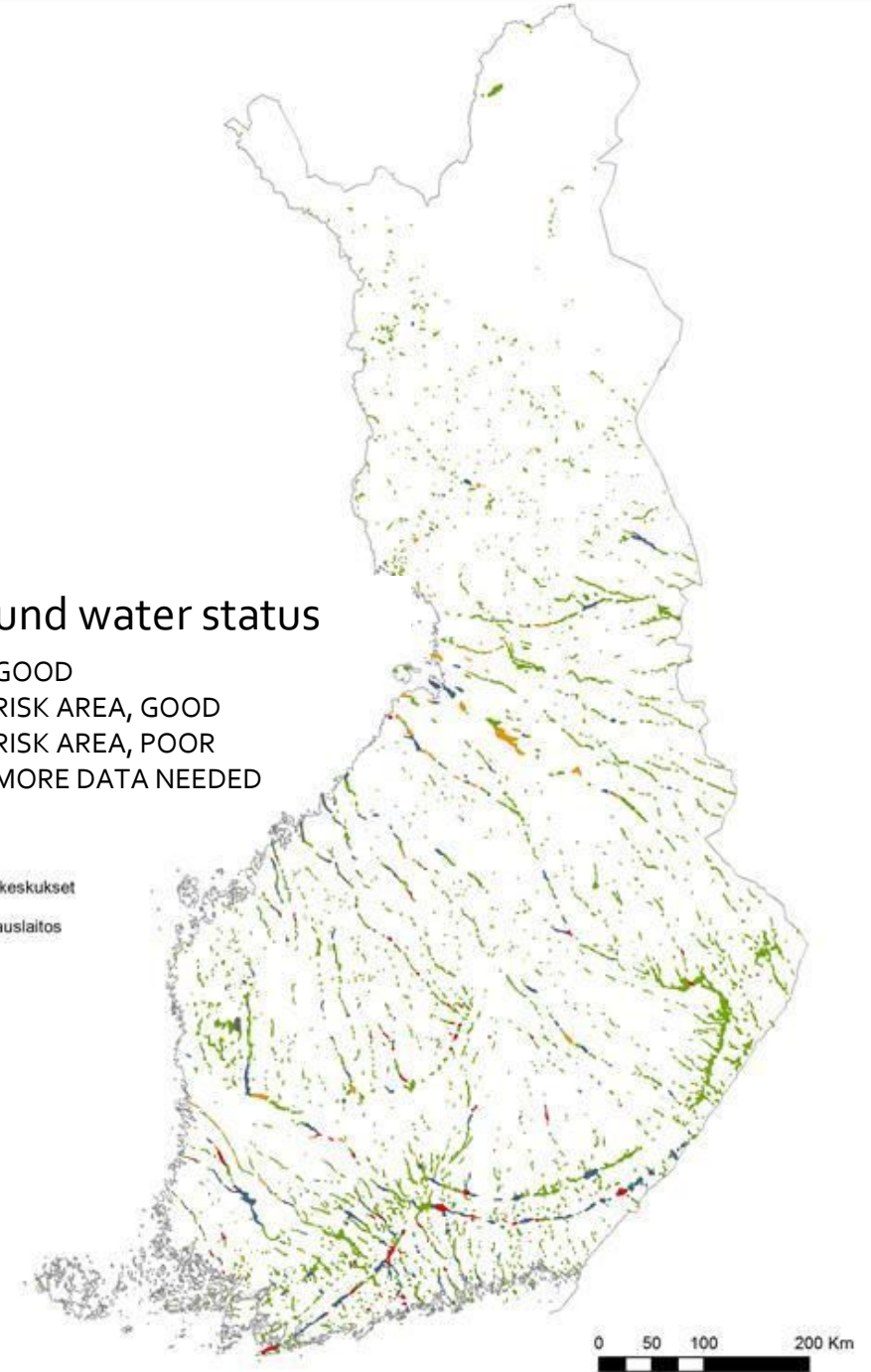
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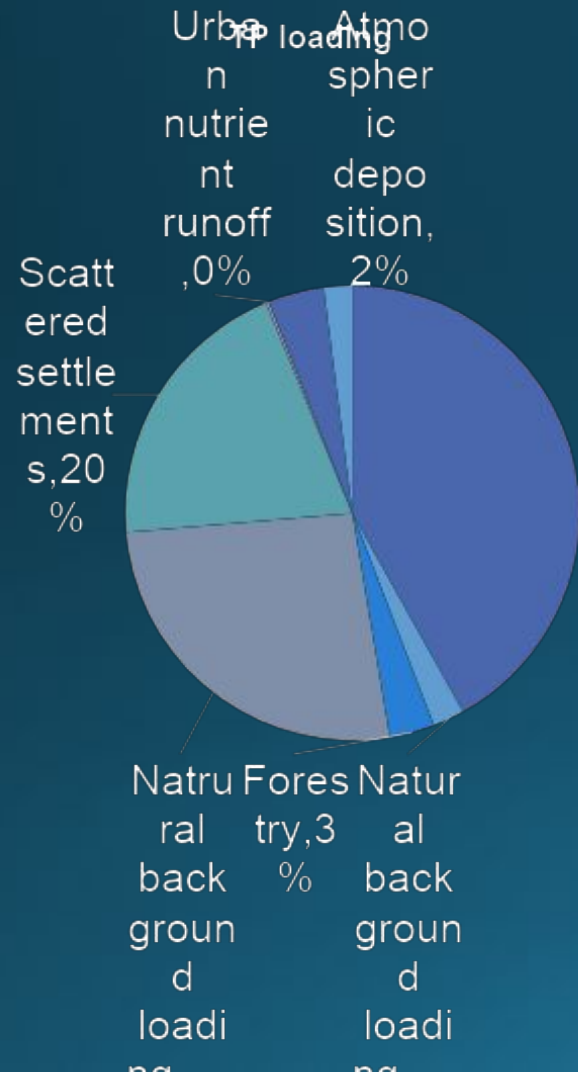
Ground water status

- GOOD
- RISK AREA, GOOD
- RISK AREA, POOR
- MORE DATA NEEDED

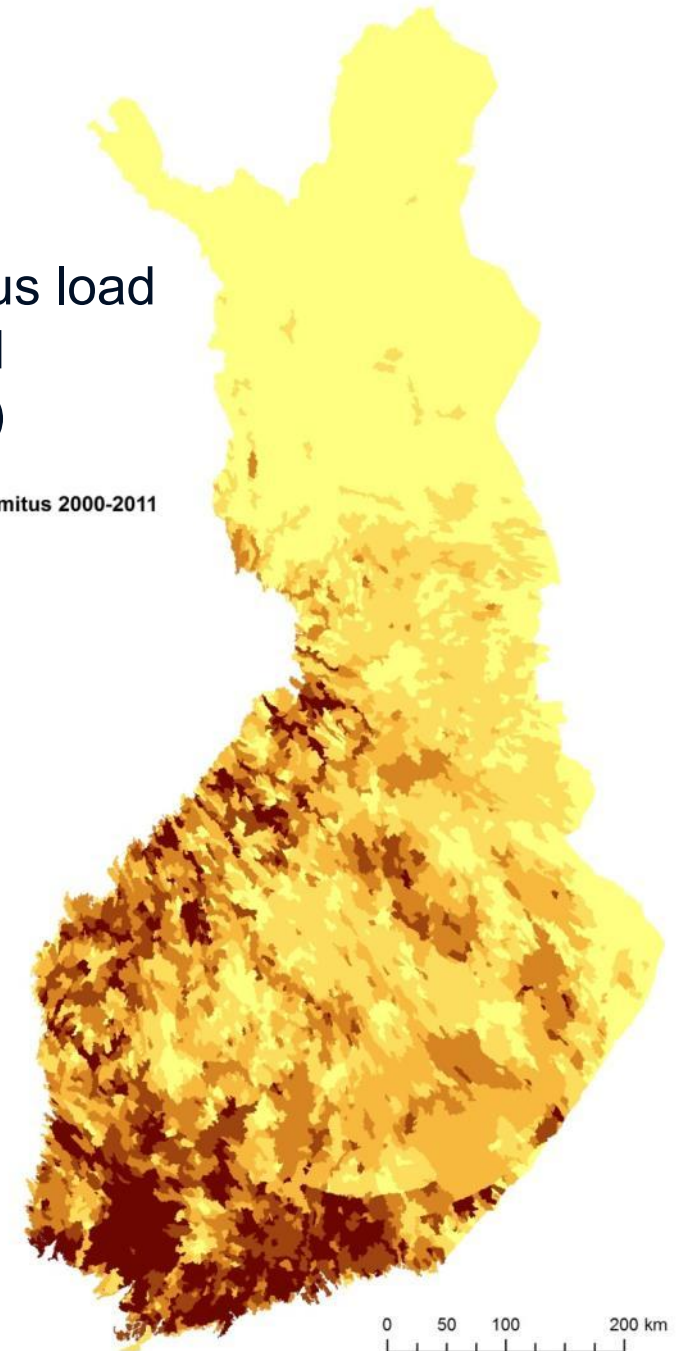
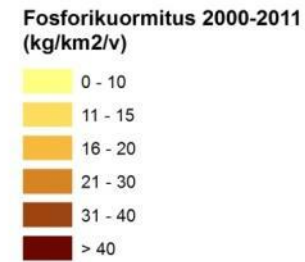
Lähde: ELY-keskukset
© SYKE
© Maanmittauslaitos



Nutrient loading to the Baltic Sea (1991-2016)



Phosphorus load 2000-2011 (kg/km²/v)



0 50 100 200 km

Kartta 28.10.2014
Kuormitukset 3 jakovaiheen valuma-alueille:
VEMALA 2000-2011 © SYKE

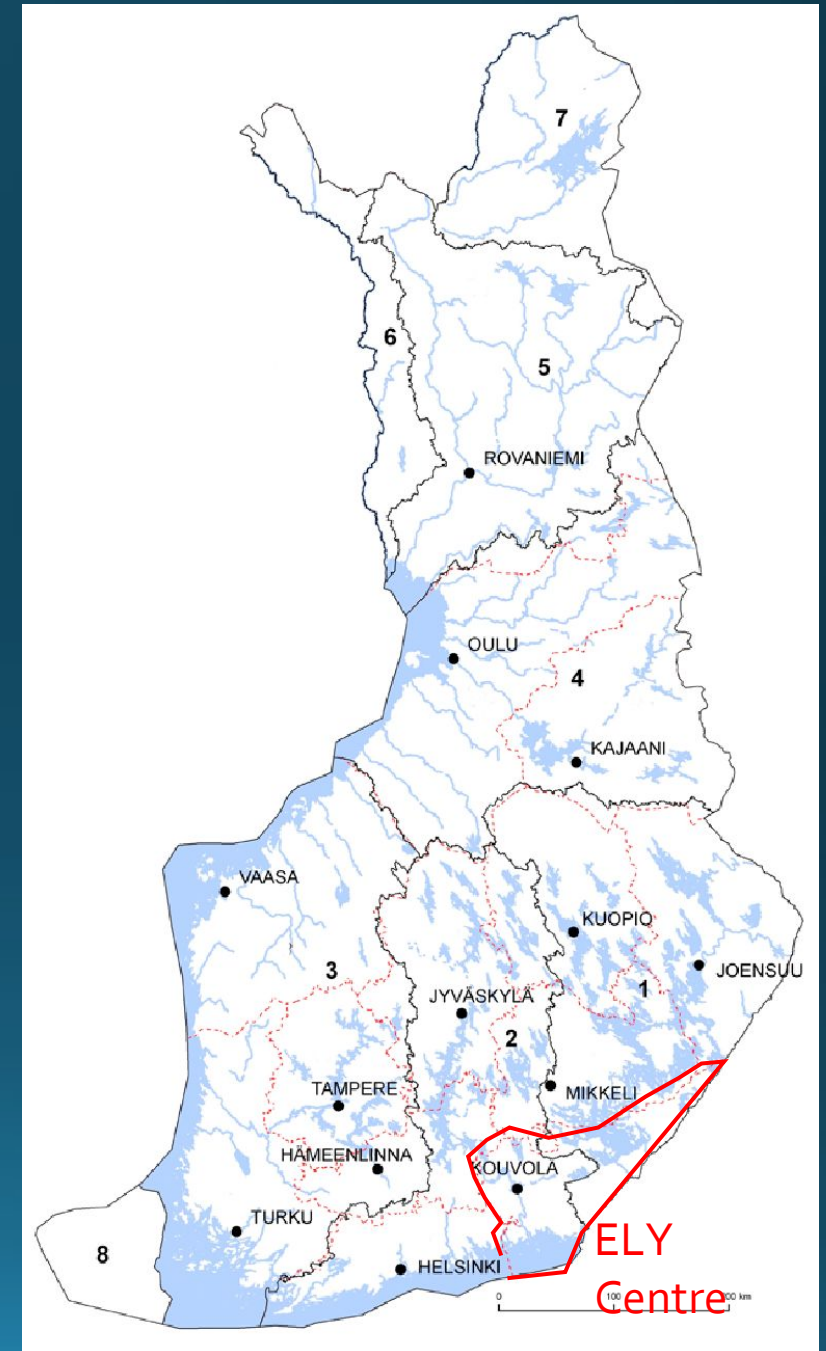
Eight river basin districts (RBD's)

1. Vuoksi
2. Kymijoki-Gulf of Finland
3. Kokemäenjoki-Archipelago Sea- Bothnian Sea
4. Oulujoki-Iijoki
5. Kemijoki

Two international river basin districts (*IRBD*) have also been designated covering parts of Finland:

6. Tornionjoki IRBD (shared with Sweden)
7. Teno, Näätämöjoki and Paatsjoki IRBD (shared with Norway)

8. Åland Islands (autonomy), the WFD is being implemented by the provincial government



ELY Centre for Southeast Finland

- Coordinator of water framework directive in Southeast Finland

Surface water bodies:

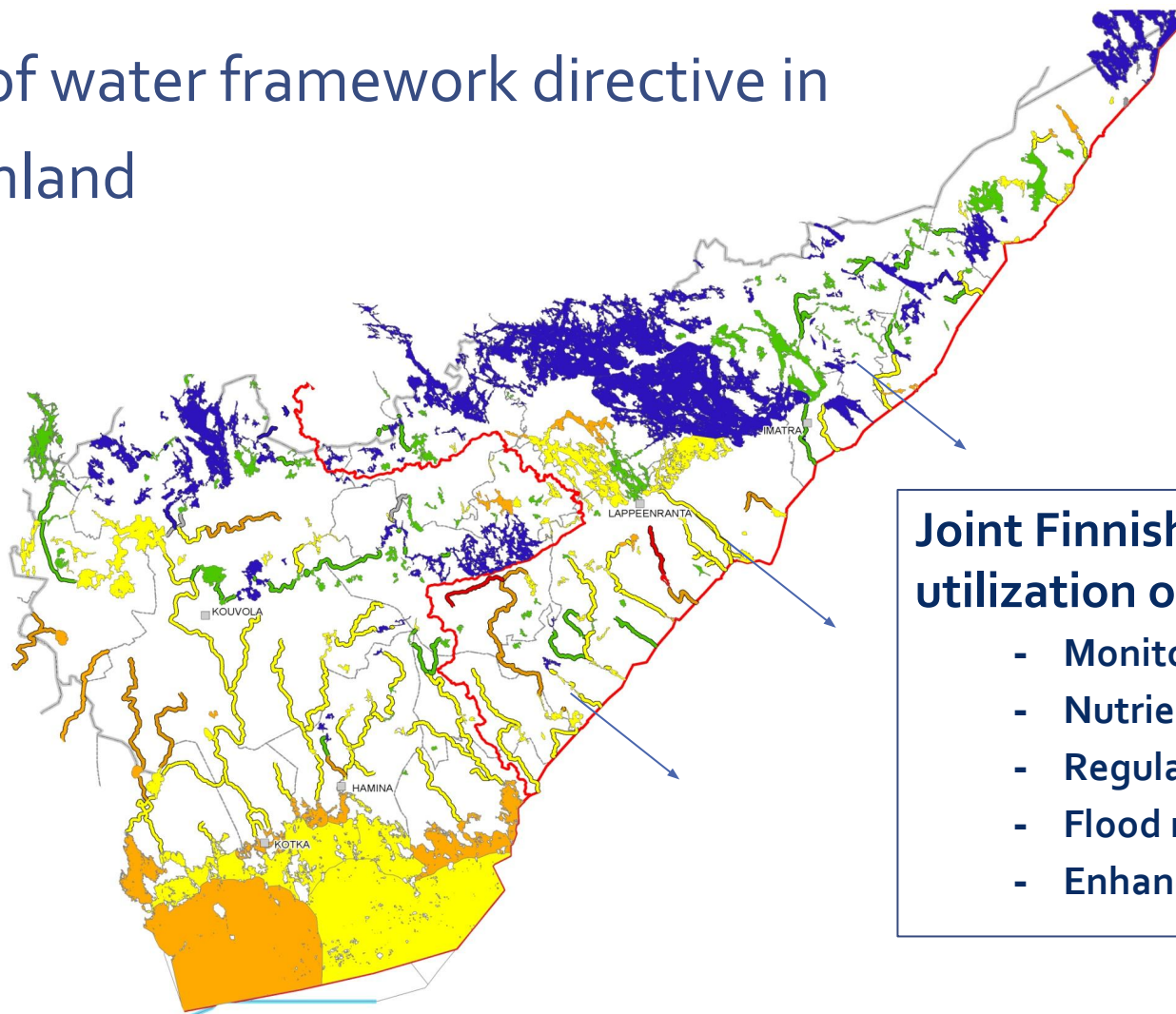
- 270 lakes
- 95 rivers
- 17 coastal

Ground water bodies:

- 283



Vesimuodostumat: ©SYKE, ELY-keskukset (osittain ©MML)
 Vesienhoitoalueet: ©SYKE
 Hallinnolliset rajat: ©Karttakeskus Oy, Lupa L4659



Joint Finnish-Russian commission on the utilization of transboundary waters

- Monitoring
- Nutrient load
- Regulation
- Flood risk management
- Enhancing fish migration

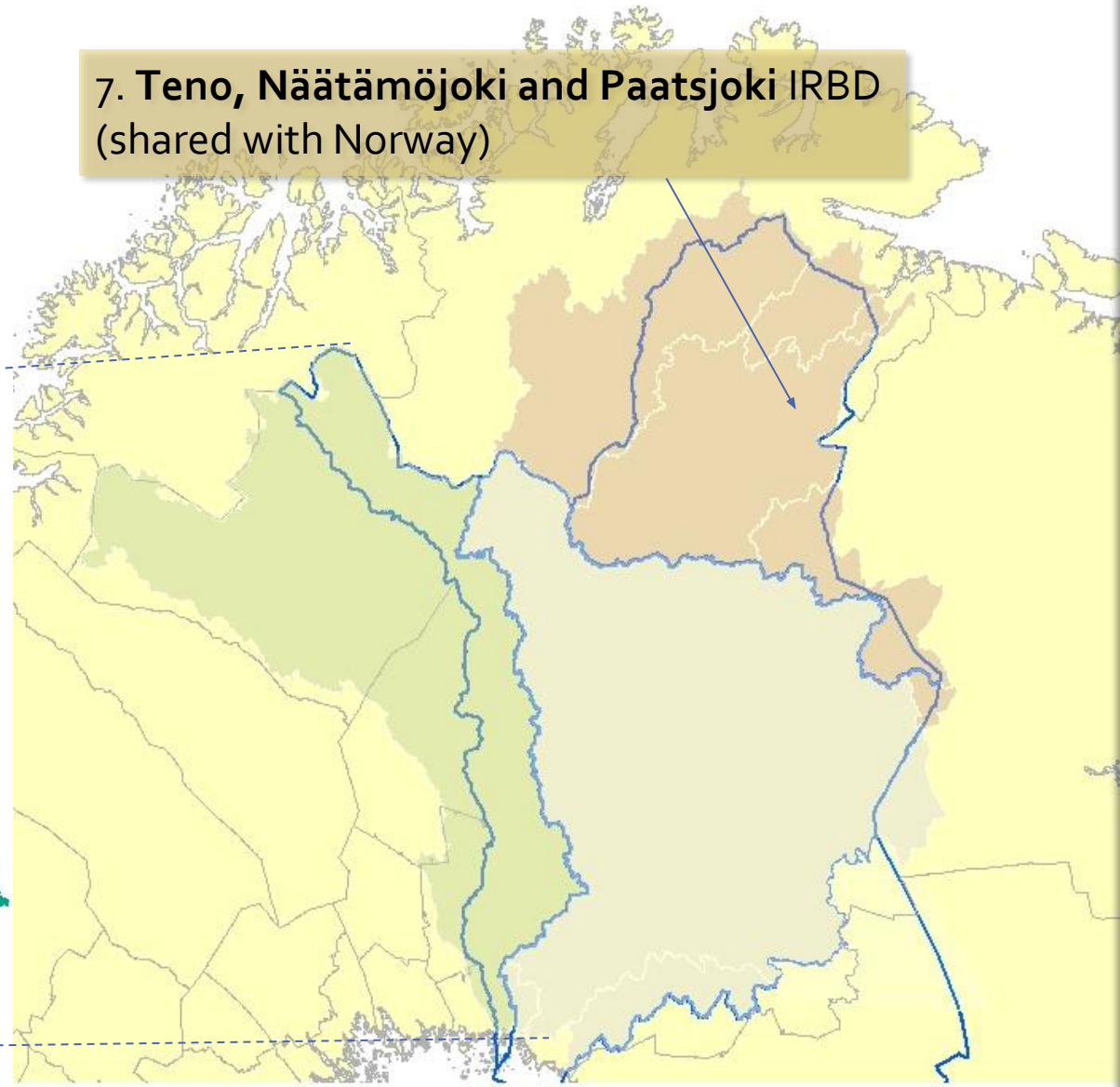
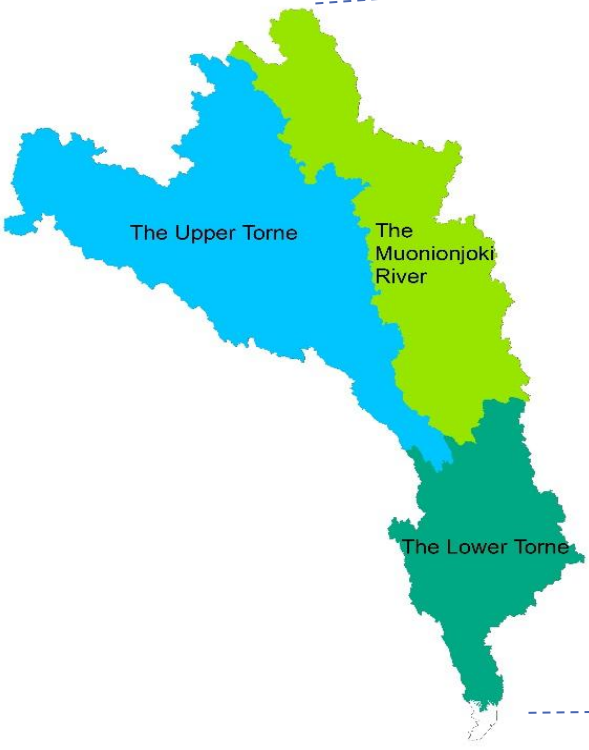
Programme of measures for southeast Finland



International River Basin Districts

7. Teno, Näätämöjoki and Paatsjoki IRBD
(shared with Norway)

6. Tornionjoki IRBD
(shared with Sweden)



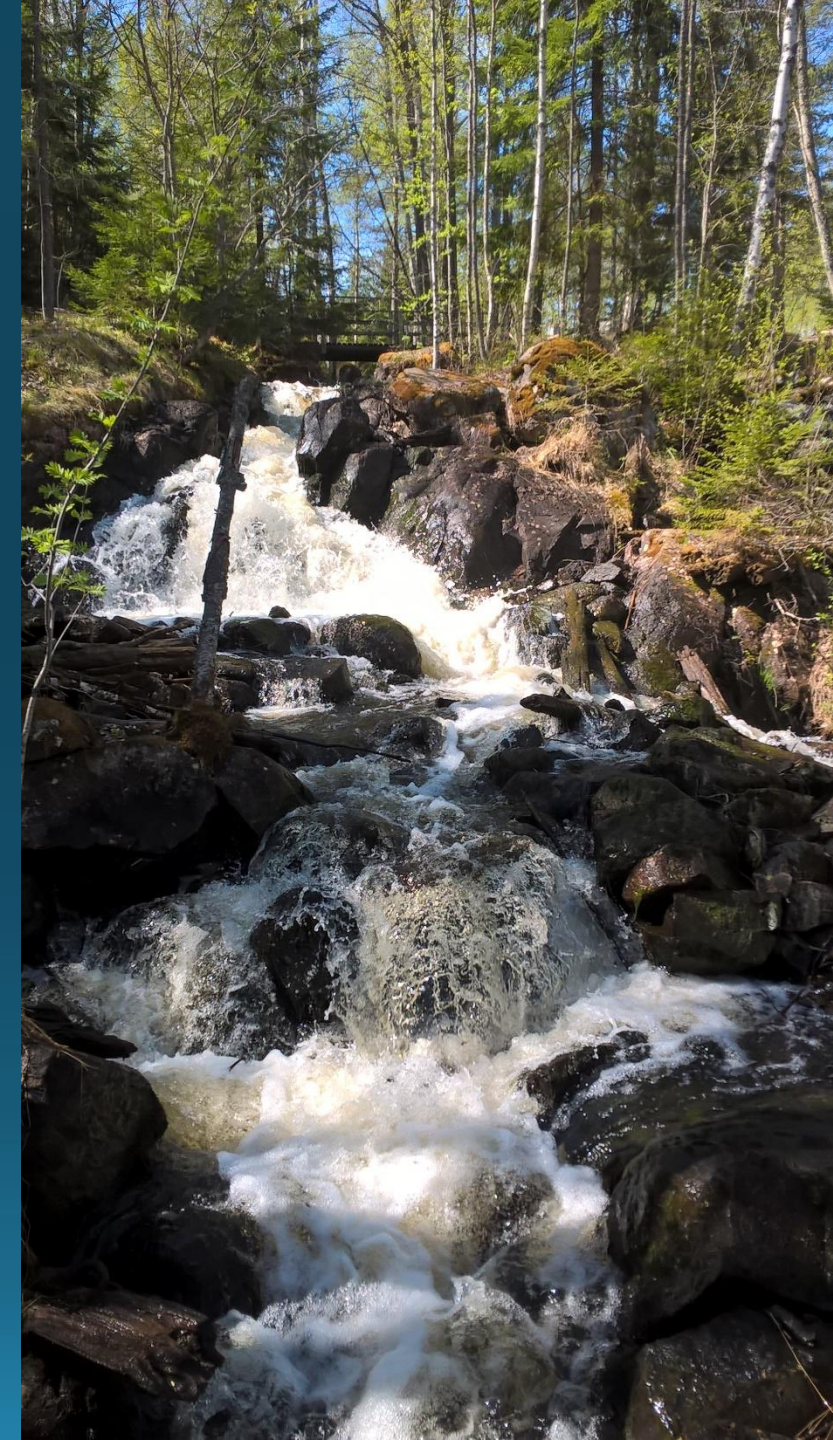
Action plan for international work (river basin and flood risk management)

1. A common view on significant pressures, status, objectives and measures
2. Synchronized planning
3. Common monitoring and reporting programme
4. A joint communication plan
5. A schedule that enables a synchronized collaboration, including public consultation



Additional policy instruments

- **Long term target setting**
 - Integrated water resource management plans in the 1970`s and 1980`s
 - Four national Water Protection Programmes since 1974
- **Economic Instruments and Financing**
 - Agri-environment subsidy in Rural Development Programme
 - Water and waste water charges
 - Rehabilitation of water bodies
 - Construction of connecting wastewater and water supply networks
- **Information, education and research**
- **International co-operation and agreements**
 - HELCOM - governing body of the "Convention on the Protection of the Marine Environment of the Baltic Sea Area" or "Helsinki Convention"
 - Transboundary co-operation (EU, ECE)
 - Bilateral agreements with Sweden, Norway and Russia





The Swedes are calling the cold weather the “snow cannon”.



The Brits are calling it “The Beast from the East”.



The Dutch are calling it the “Siberian bear”.



The Finns are calling it Wednesday.

Thank you for your attention!

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