Welcome to Europe INBO 2019

17th – 20th June

Lahti, Finland

Sibelius hall
Satellite image at night

Lahti
Two ways to split Finland

Sun in the winter
- Below the horizon
- Behind the clouds

Number of lakes
- All the lakes
- Just a few thousand more
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

Longest distance 1157 km

Highest peak 1324m

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:
- 4,617 lakes
- 1,913 rivers
- 276 coastal

Ground water bodies:
- 3,844

Ground water status:
- GOOD
- RISK AREA, GOOD
- RISK AREA, POOR
- MORE DATA NEEDED

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Nutrient loading to the Baltic Sea (1991-2016)

Phosphorus load 2000-2011 (kg/km2/v)

- Urban nutrient runoff: 20%
- Natural back ground load: 12%
- Natural nutrient deposition: 2%
- Atmospheric deposition: 0%
- Scattered settlements: 0.0%
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

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

6. Tornionjoki IRBD (shared with Sweden)

7. Teno, Näätämöjoki and Paatsjoki IRBD (shared with Norway)
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
Thank you for your attention!

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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.