



World Meteorological Organization
Working together in weather, climate and water

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Statements of the national
hydrological service of **ESTONIA**



Estonian Meteorological and Hydrological Institute

- State authority; under jurisdiction of the Ministry of Environment
- Main tasks: meteorological and hydrological monitoring, forecasts, climatological survey, hydrologic calculations etc.
- Users: society, policy, research etc. (population 1.3 million)

Meteorological and hydrological network in Estonia



Hydrometric network:
58 stations on rivers
(1.3 station per 1000
km²);
20 coastal stations;
7 lake stations;
6 bog stations;
3 evaporation stations

Total area of Estonia 45 227 km²
2 844 islands
Population density 29 people per km²
Coastline 3800 km

7200 rivers (4 river basins)
2300 lakes (>1 ha)
23% of territory covered
by wetlands

Biggest success within the last 5 years

- Technical modernisation of hydrometrical stations in Estonia
- Automated state-of-the-art technology is being introduced to all aspects of the field, office, and data delivery elements of the hydrometric program.



Biggest failure within the last 5 years

- Reorganization of EMHI ended in permanent closure of marine department
- Short on knowledge/competence on marine issues;



Expectations

At the national level -

- more efficient data acquisition, processing and dissemination; provide services in real-time

At international level -

- exchange of experiences and information
- developing of methods
- positioning of the hydrological community

Thank you!