

# Finland: Sustainable Water Resources Management

Tommi Peho, Finnish Water Forum  
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# WHY FINLAND?

*team*  
**FINLAND**

#1

WASTEWATER  
TREATMENT

ENVIRONMENTAL  
PERFORMANCE INDEX 2022

#1

SANITATION AND DRINKING  
WATER

ENVIRONMENTAL  
PERFORMANCE INDEX 2022

#1

SUSTAINABILITY  
ON MANAGED  
AQUIFER RECHARGE

UNESCO 2021

#1

LEADING COUNTRY IN  
SUSTAINABLE  
DEVELOPMENT

UN SUSTAINABLE DEVELOPMENT  
REPORT 2022

#1

DIGITALIZATION  
IN THE EU COUNTRIES

DIGITAL ECONOMY AND SOCIETY  
INDEX (DESI) 2022

#1

MOST STABLE COUNTRY  
IN THE WORLD

THE FUND FOR PEACE,  
FRAGILE STATES INDEX 2022

#1

HAPPIEST  
COUNTRY  
IN THE WORLD

UN 2022 WORLD  
HAPPINESS REPORT

# Integrated Water Resources Management

- Today, over 85 % of the 187 888 lakes in Finland are in good or excellent condition
- This is the result of effective legislation, latest technologies and professional operation.
- Enabled by wide cooperation between research, education, technology and users
- Cooperation between the government, civil society and industries works;
  - Water protection associations brought water users and polluters together to jointly monitor and restore polluted waterbodies



# The Important Principles in Practise

## Governance

- Understanding and respecting water as a resource
- Above EU –level compliance in water quality and nutrient removal
- Strict protection of ground water resources
- Distribution of actions and responsibilities between authorities
- Timely information on water bodies and nature

## Solutions

- Active maintenance of infrastructure
- Efficient utilization of novel technologies and resources
- High class Waste Water treatment involving nutrient capture and utilization
- Creating additional ground water resources
  - Application of Managed Aquifer Recharge (MAR) by using natural geological filtration for purification and enhanced water security

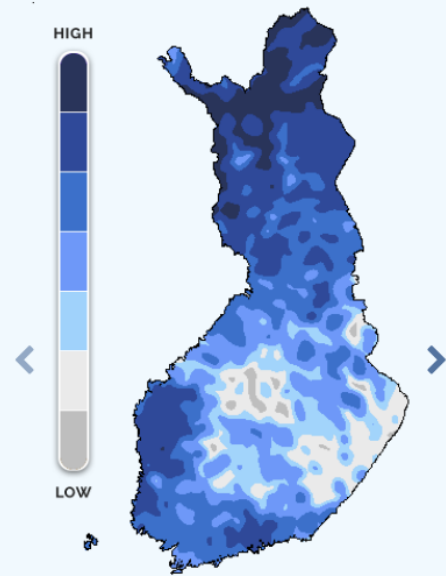


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## Water level

## Water situation 31.10.



Water level in the map service

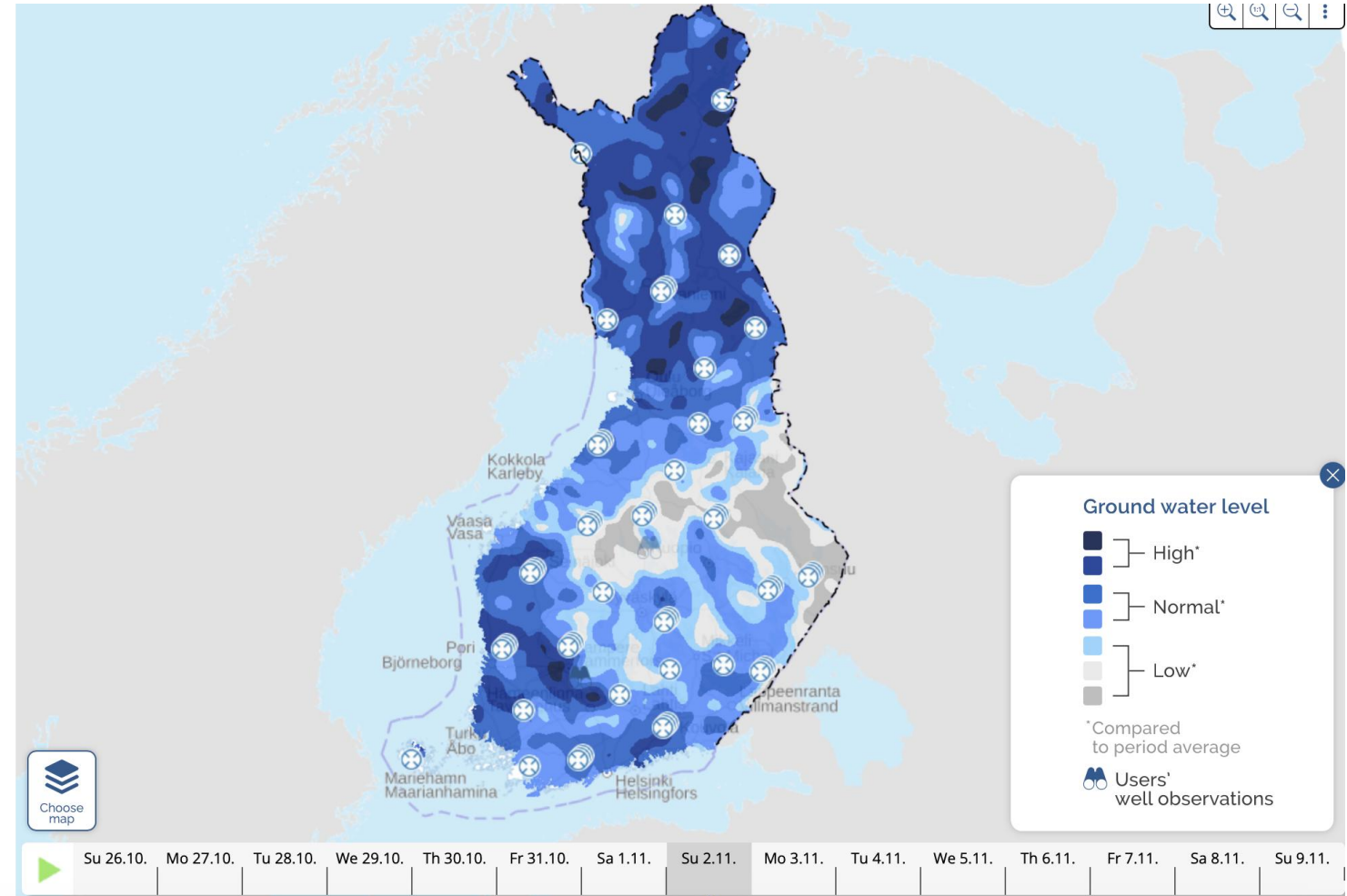
Themes  
Groundwater level

- WARNINGS
- PRECIPITATION
- RUNOFF AND DISCHARGE
- SOIL MOISTURE
- GROUNDWATER LEVEL**
- WATER LEVEL
- ICE SITUATION
- WATER TEMPERATURE
- AIR TEMPERATURE
- SNOW LOAD
- SNOW DEPTH
- GROUND FROST
- STATE OF SURFACE WATERS
- REGULATED LAKES
- GROUNDWATER AREAS
- GROUNDWATER STATUS
- WATER SERVICES
- WATER TRANSPORT
- ALGAE SITUATION
- NUTRIENT POLLUTION
- FLOOD MAPS

Search location

Your observation

Warnings

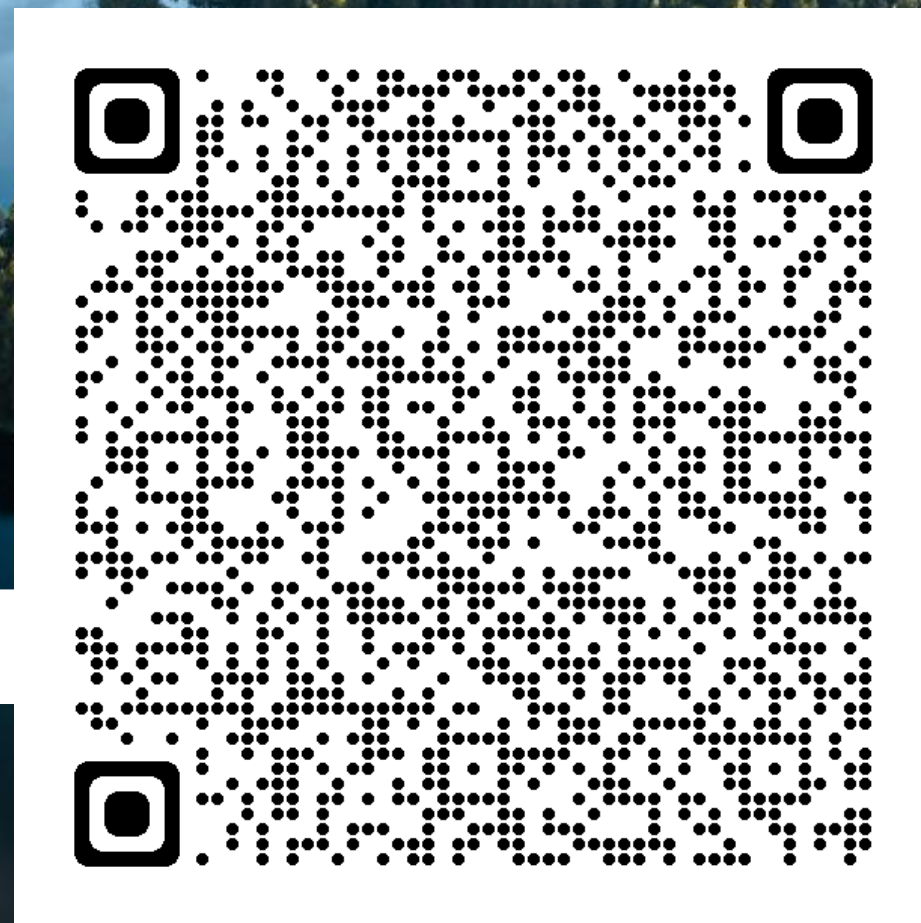


A hydrological monitoring network covers the whole country utilizing online monitoring and modelling.

# WATER SOLUTIONS AND EXPERTISE FROM FINLAND

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<https://www.finnishwaterforum.fi/wp/en/expertise/>



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WATER  
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# Your link to Finnish water expertise

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