

REsilienT water gOvernance Under climate CHange within the WEFE NEXUS

# -Finland-



# of inhabitants 5.6 million

Surface area 304 316 km2

GDP per capita 109 pps [1]

Significant bodies of Kymijoki Gulf; Oulojoki; water (RBDs) Vuoksi

> Polity unitary state organised on a

decentralised basis central government; 19 provinces Layers of government

including the autonomous region of Åland Islands; 310

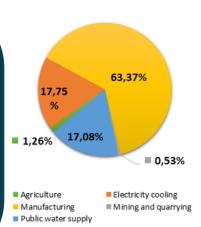
0.61% (2017) [3]

municipalities Legislative powers at Yes

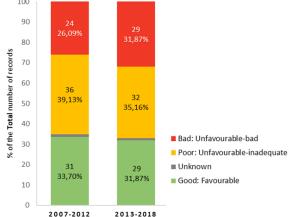
the sub-national level

Decentralisation index 2.3 (5 out of 27) [2]

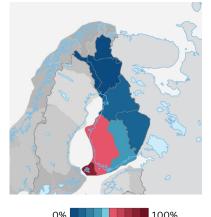
Water Exploitation Index plus (WEI+)



Water abstraction per sector in Finland - Source: EEA (2022)



Conservation status for habitats in 2007-2012 and 2013-2018 in Finland - Source: EEA (2021)



Water bodies with less than good ecological status in Finland - Source: EEA (2021)

# Main actors responsible for WEFE nexus relevant governance

#### **NEXUS PILLARS POLICY MAKING**

Ministry of the Environment; 🐪 **W** ater Ministry of Agriculture and

Forestry

Ministry of Employment and the Economy

Regional State Administrative Agencies; municipalities

Administrative Agencies; municipalities

Food Ministry of Agriculture and Forestry The Finnish Food Authority

Ministry of the Environment **Ecosystems** 

Natural Resources Institute Finland (Luke); Centre for Economic Development; Transport and the Environment

🌹 **E**nergy



- [1] EU purchasing power standard
- [2] https://portal.cor.europa.eu/divisionpowers/Pages/Decentralization-Index.aspx
- [3] The threshold for water scarcity is set at > 20%
- [4] https://ym.fi/en/national-biodiversity-policy.
- [5] https://ym.fi/en/helmi-habitats-programme

### **POLICY EXECUTION**

Finnish Environment Institute (SYKE);

The Energy Authority; Regional State

[6] https://mmm.fi/en/sotka-project

[7] https://laji.fi

# WEFE NEXUS PERSPECTIVE

# **CHALLENGES**

- Invest in the water supply system
- Improve the protection of wetlands, peatlands and grassland
- Integrate biodiversity concerns into other policies
- Offset agricultural intensification and resulting water eutrophication

## **OPPORTUNITIES**

- · Finland aims to adopt a new national biodiversity strategy and action plan[4]
- Finland has ambitious nature protection and restoration programmes:
- HELMI focusing on mires, wetlands, coastal habitats and semi-natural grasslands[5]
- SOTKA aiming to improve the status of waterfowl[6]
- The Finnish Biodiversity Information Facility[7] is an open access data repository, allowing users to search and download information, and to record and share their own observations
- Finland's Recovery and Resilience Plan aims to invest in clean energy production and infrastructure



