

REsilienT water gOvernance Under climate CHange within the WEFE NEXUS

-Croatia-



of inhabitants 3.9 million

Surface area 55 896 km2

GDP per capita 73 pps [1]

Significant bodies of **Danube** water (RBDs)

unitary state

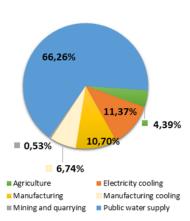
Polity Layers of government

central government; regional level (20 counties and City of Zagreb): local level (128 towns and 428 municipalities)

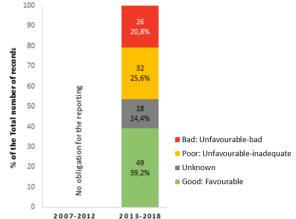
Legislative powers at the sub-national level

Decentralisation index 1.6 (16 out of 27) [2]

Water Exploitation Index plus (WEI+)



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



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



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

Main actors responsible for WEFE nexus relevant governance

NEXUS PILLARS

POLICY MAKING

0.36% (2017) [3]

POLICY EXECUTION

🐪 **W** ater Ministry of Environmental Protection and Energy

Croatian Waters; regional and local authorities

🕏 Energy

Ministry of Environmental Protection and Energy

Croatian Energy Regulatory Agency; regional and local authorities

Food

Ministry of Agriculture

regional and local authorities

*** Ecosystems

Ministry of Environmental Protection and Energy

Croatian Agency for the Environment and Nature; State Institute for Nature Protection

WEFE NEXUS PERSPECTIVE

CHALLENGES

- Address leakages in water supply networks
- Improve wastewater management infrastructure
- Cooperate with water, energy and agriculture sectors to support Natura 2000 management
- Establish conservation objectives and measures for all Natura 2000 sites
- Help farmers understand how to comply with biodiversity and nitrates legislation

OPPORTUNITIES

- Croatia has developed a system for sharing water environmental data
- Croatia coordinates procedures for the Water Framework Directive and the **Industrial Emissions Directive**
- The Croatian Agency for the Environment and Nature fulfils a coordinating role in the field of ecosystem services assessment



More information on WEFE nexus governance in the EU

- [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%



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