

REsilienT water gOvernance Under climate CHange within the WEFE NEXUS

-Ireland-



of inhabitants 5.2 million

68 655 km2 Surface area

GDP per capita 234 pps [1]

Significant bodies of Ireland; North Western water (RBDs)

> parliamentary democracy and Polity unitary state

> > 0.8 (27 out of 27) [2]

2.98% (2017) [3]

central government; 3 regions; 26 countries; 3 city councils; 2 Layers of government city and county councils

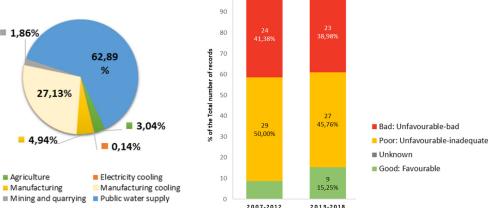
Legislative powers at the sub-national level

Decentralisation index

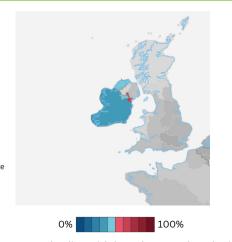
Water Exploitation Index plus (WEI+)

1,86% 27,13% 4,94% Agriculture Manufacturing

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



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



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

Main actors responsible for WEFE nexus relevant governance

NEXUS PILLARS POLICY MAKING

Department of Housing, 🐪 **W** ater Planning and Local

Government Irish Water; regional assemblies;

🕏 Energy Department of the Environment, Climate and Communications

Climate Action Regional Offices; regional assemblies

Food Department of Agriculture, Food and the

regional assemblies

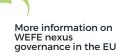
Marine

Department of the Environment, Climate and

regional assemblies Communications



£ Ecosystems



- [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] http://citizen-science.ie/
- [5] https://lawaters.ie/
- [6] https://exploreyourshore.ie/

POLICY EXECUTION

Water Forum; Office of Public Works; Environmental Protection Agency; Local Authorities Waters Programme

- the wider countryside
 - · Reduce water pollution from nutrients and address hydromorphological pressures
 - Ensure appropriate control over water abstraction and changes
 - Improve wastewater management

WEFE NEXUS PERSPECTIVE

CHALLENGES

- Complete the designation of nature protection areas and put in place the conservation plans and necessarv measures
- Take practical steps to address the serious decline of waders in Natura 2000 sites and
- hydromorphological
- infrastructure

OPPORTUNITIES

- The Irish administration has been restructured
 - to improve water governance coordination among authorities at local, regional and national levels
 - to ensure local engagement for solutions at the catchment level
- Many citizen science initiatives, including Citizen Science Ireland[4], LAWPRO[5] water quality monitoring, Explore Your Shore[6] and Dragonfly Ireland project[7] to promote public participation in the monitoring and collection of data.
- Irish Natural Capital Accounting for Sustainable Environments (INCASE) (2019-2023)[8] develops capital accounts for different Natura 2000 sites in Ireland.

[7] https://biodiversityireland.ie/surveys/dragonfly-ireland/

[8] https://www.incaseproject.com/































