

APRIORA project overview

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November 2023 – October 2026

Budget 2.4 Mio. €

interreg-baltic.eu/project/APRIORA



Background – the EU-UWWTD

European Urban Wastewater Treatment Directive (UWWTD)

- Introduction of quaternary treatment to remove large spectrum of micropollutants
 - Combination of precautionary principle and risk-based approach
1. Mandatory for all WWTP > 150.000 PE
 2. Risk based prioritisation for WWTP >10.000 PE

Risk area definitions – EU-UWWTD

Risk is presumed by UWWTD

Risk can be excluded
through targeted risk assessment

Drinking water
abstraction

Bathing waters

Aquacultural
activities

Risk area

Risk must be proven
through targeted risk assessment

Marine
waters

Specific
areas of
conservation

Coastal and
transitional
waters

Rivers with
dilution
ratio <10

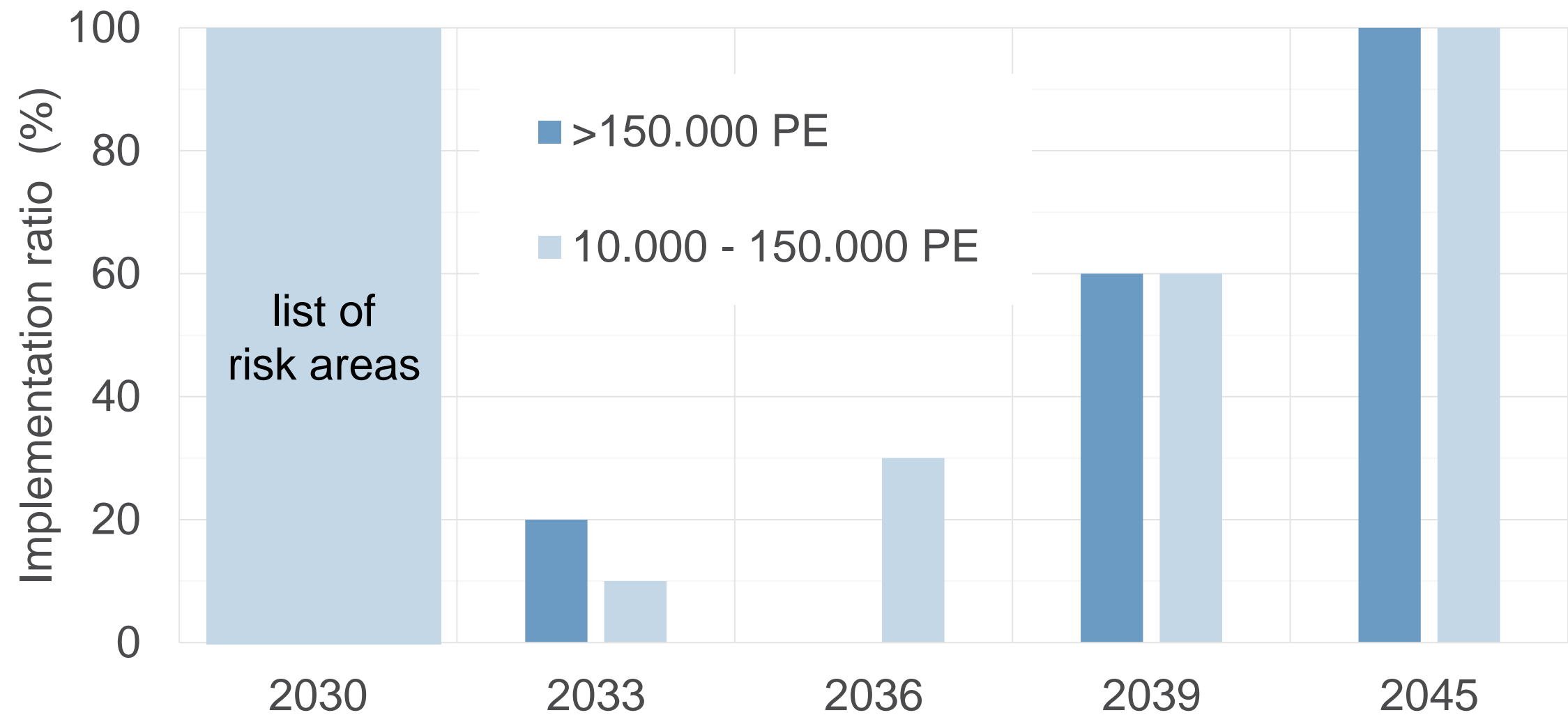
Where treatment is
required to meet
requirements of
WF-D, GW-D, EQS-D

Emission of micropollutants from urban wastewater treatment plants?

Risk criteria

Risk area

Timeline – EU-UWWTD



APRIORA – targets

Improved risk assessment for strategic water management to reduce micro-pollutant emissions in the Baltic Sea Region

- **Need:** Strategy and tool for a risk-based prioritisation
- **Goal:** framework, tool and training for WWTP specific assessment of
 - induced risk on environment and health
 - risk mitigation potential
- **Target groups:**
 - regional environmental protection authorities (EPAs) in charge
 - wastewater treatment plant (WWTP) operators

APRIORA – project partners

No.	Name	Short	Country
1	University of Rostock	URO	Germany
2	Finnish Environment Institute	SYKE	Finland
3	Centre for Economic Development, Transport and the Environment in South Ostrobothnia	EPOELY	Finland
4	Finnish Medicines Agency	FIMEA	Finland
5	German Environment Agency	UBA	Germany
6	Latvian Institute of Aquatic Ecology	LIAE	Latvia
7	Latvian Environment, Geology and Meteorology Centre	LEGMC	Latvia
8	Gdansk University of Technology	Gdansk Tech	Poland
9	Kristianstad University	HKR	Sweden

APRIORA – associated organisations

No.	German AOs
AO1	State Agency of Environment, Nature Conservation and Geology Mecklenburg-Vorpommern
AO2	Kühlung Association for Water Supply and Wastewater Disposal (ZVK)
AO3	Nordwasser GmbH Rostock (NW)
AO14	DWA German Association for Water, Wastewater and Waste

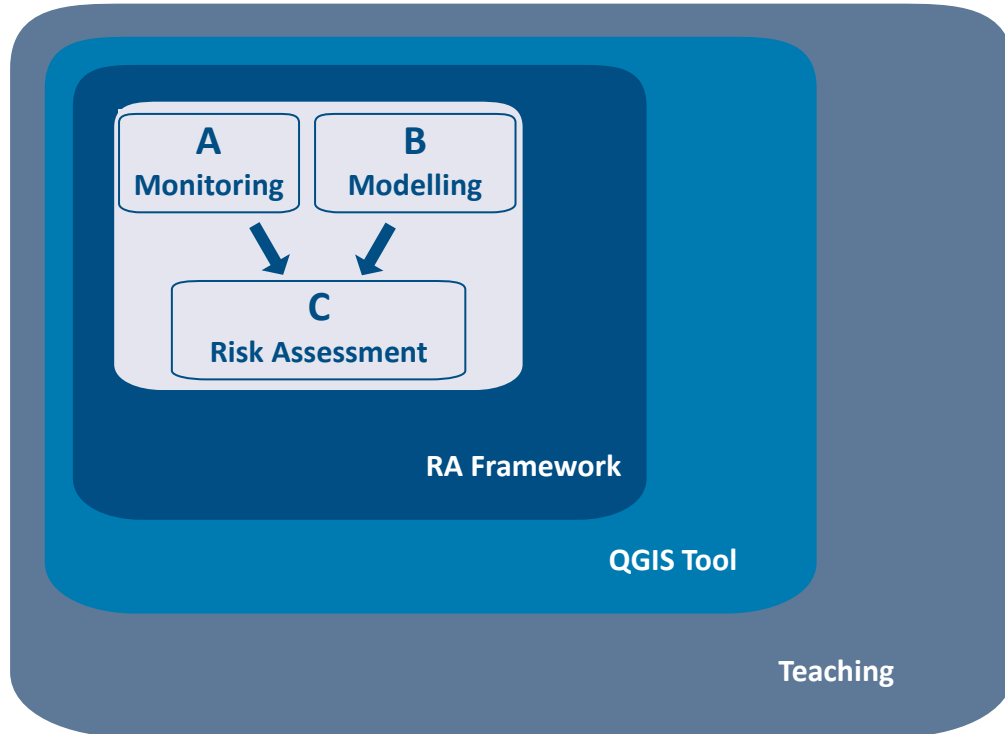
No.	Finnish AOs
AO4	Ostrobothnia Water and Environment Association
AO5	Wellbeing services county of South Ostrobothnia
AO6	Kurikan Vesihuolto Oy
AO7	Kauhajoen Vesihuolto Oy
AO8	Seinäjoen Energia Oy, Seinäjoen Vesi
AO9	Vaasan Vesi

No.	Polish AOs
AO10	Polish Waterworks Chamber of Commerce
AO11	Regional Water Management Authority in Gdańsk
AO15	Commune of Linia
AO16	Municipal Water and Wastewater Company
AO17	"Łeba" Water Company
AO18	Communal Department of Municipal Services in Leczyce

No.	Swedish AOs
AO13	The County Administrative Board Skane

No.	Latvian AOs
AO12	Latvian water and wastewater works association
AO19	State Environmental Service

APRIORA – Concept



APRIORA – outputs

