

Sustainable use of water resources

Wastewater (WW)		
Sample type	Measurands	Planned period
Wastewater analyses I		
Pulp and paper industrial wastewater Municipal wastewater Natural water (BOD ₇ and COD _{Mn})	BOD ₇ , COD _{Cr} , COD _{Mn} , suspended solids, Na, TOC And Ca, K, Mg	Yearly Ca, K, Mg every 2 nd year: 2023, 2025...
Wastewater analyses II		
Pulp and paper industrial wastewater Municipal wastewater	NNH ₄ , NNO ₂ +NO ₃ , N _{tot} , PPO ₄ , P _{tot} , pH, conductivity, colour Alkalinity Chloride, sulphate	Yearly, and: Alkalinity every 2 nd year: 2024, 2026, 2028... Chloride and sulphate every 2 nd year: 2023, 2025, 2027...

Natural water (NW and RAD)		
Sample type	Measurands	Planned period
Natural water analyses I		
Lake or river water Coastal water	Chlorophyll <i>a</i> , conductivity, colour, N _{NNH₄} , NNO ₂ +NO ₃ , N _{tot} , PPO ₄ , P _{tot} , pH, turbidity, suspended solids	Every 2 nd year 2023, 2025, 2027...
Natural water analyses II		
Lake or river water Coastal water	Alkalinity, N _{NNH₄} , NNO ₂ +NO ₃ , N _{tot} , PPO ₄ , P _{tot} , PPO ₄ , dissolved, P _{tot} , dissolved, pH, conductivity	Every 2 nd year 2024, 2026, 2028...
Natural water analyses III		
Lake or river water Coastal water	Chlorophyll <i>a</i> , oxygen, SiO ₂ , TOC, TIC, salinity	Every 2 nd year 2024, 2026, 2028...
Radon in ground water		
Ground water	Radon	Every 2 nd year 2023, 2025, 2027...

Drinking water (DW)		
Sample type	Measurands	Planned period
Drinking water analyses		
Lake and ground water Drinking water	Fluoride, hardness, chloride, pH, NO ₂ , NO ₃ , NH ₄ , Fe, Mn, Ca, K, Mg, Na, sulphate, conductivity Alkalinity, turbidity, TOC COD _{Mn} , hardness	Yearly, and: Alkalinity, turbidity and TOC every 2 nd year: 2023, 2025, 2027... COD_{Mn} and hardness every 2 nd year: 2024, 2026, 2028...

Biological intercomparisons (PHYTO and ZOO)		
Sample type	Measurands	Planned period
Phytoplankton		
Phytoplankton (PHYTO)	Identification of species	Every 3 rd year 2023, 2026...
Taxonomic identification of macroinvertebrates		
Benthic invertebrates (ZOO)	Taxon identification	Every 3 rd or 4 th year 2024/5...

In addition to these, some schemes are organized less frequently, and development schemes are organized based on the need and the resources, e.g. DIATOM (Benthic diatoms).

Other intercomparisons		
Sample type	Measurands	Planned period
Intercomparison test for field measurements (KMV)		
Natural water	Conductivity, oxygen, pH, temperature, turbidity	At least every 2 nd year 2023, 2024/5...

In addition to these, some schemes are organized less frequently, and development schemes are organized based on the need and the resources, e.g. AOX (AOX in natural water and wastewaters).

Built environment

Swimming pool water (SPW)		
Sample type	Measurands	Planned period
Swimming pool water analyses		
Swimming pool water	Free, combined and total chlorine, urea, turbidity, NO ₃ , pH, KMnO ₄	Yearly

Indoor air and building material		
Sample type	Measurands	Planned period
Indoor air VOC measurements (IAVOC)		
Sample in Tenax TA tube	TVOC and separate VOC compounds	Every 2 nd year 2024, 2026...
Asbestos in building material samples (ABS)		
Building material	Asbestos silicate minerals	Yearly

Other intercomparisons		
Sample type	Measurands/methods	Planned period
Gross and net calorific value of fuels (CAL)		
Coal, peat, wood pellet	Gross and net calorific value, moisture and ash content, volatile compounds, C, H, N, S	Yearly
Microbiological housing health analysis (Provider THL)		
Building material and suspension samples, pure cultures	Cultivation method, identification of pure cultures on plates, direct cultivation, direct microscopy, qPCR method	Yearly

In addition to these, some schemes are organized less frequently, and development schemes are organized based on the need and the resources, e.g. IAPAH (PAH measurements from indoor air samples).

Circular economy

Other intercomparison tests		
Sample type	Test	Planned period
Leaching behavior test for solid waste material (LT)		
Waste material	Leaching behavior test for solid waste material: <ul style="list-style-type: none"> One stage batch leaching test Two stage batch leaching test Up-flow percolation test 	2024... 2023, 2026... 2027...

In addition to these, some schemes are organized less frequently, and development schemes are organized based on the need and the resources, e.g. soil improver maturity test.

Hazardous substances

Metal analyses (MET) – These will be updated, changes possible		
Sample type	Measurands	Planned period
Water sample		
Spring: Lake or river water Drinking water: ground or tap water Autumn: Industrial wastewater Municipal wastewater	Basic analysis: Al, As, B, Ba, Cd, Co, Cr, Cu, Fe, Hg, Mn, Mo, Ni, Pb, Sb, Se, Ti, V, Zn Every 2 nd spring: U, Sr	Once or twice a year 2024, 2026...
In autumn also: Pulp and paper industrial wastewater	Ca, K, Mg (Na)	2024, 2026...
Also:	Additionally, when analysed also from the solid sample: Ca, Mg, Sn, S	
Solid sample		
Sediment Sludge Soil ...	Additional analyses: Ca (soil), Drw, Mg (soil), N _{tot} , P _{tot} , Sn (sludge), S, TC (sediment)	One solid sample provided at least every 2 nd year

Interlaboratory comparisons for organic compounds		
Sample type	Measurands	Planned period
Analyses of organic compounds 1 (OIL)		
Natural water Soil	Oil hydrocarbons C5-C10, >C10–C40, >C10-C21, >C21-C40	Every 3 rd year 2024, 2027...
Analyses of organic compounds 2 (VOC)		
Natural water Soil	VOC compounds	Every 3 rd year 2023, 2026...
Analyses of organic compounds 3 (ORG)		
Soil / building material	Oil hydrocarbons / PCB / PAH	Every 3 rd year 2025, 2028...

In addition to these, some schemes are organized less frequently, and development schemes are organized based on the need and the resources, e.g. Ecotoxicological tests (BTOX), organic comparisons (PAH, PCB, pesticides, trihalomethanes in water).