



REPUBLIC OF ESTONIA
MINISTRY OF THE ENVIRONMENT

CHALLENGES of WATER FRAMEWORK DIRECTIVE in ESTONIA

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Estonia (EESTI)

BLUE SKY

BLACK FIELDS

**WHITE - CLEAR HONEST
MIND**

Estonia

The size of Estonian territory 45 227 km²

Approximately 1,3 M people

29,6 habitats/ km²

5% of territory covered by lakes

9,2 % of land is islands

25% of land is wetland

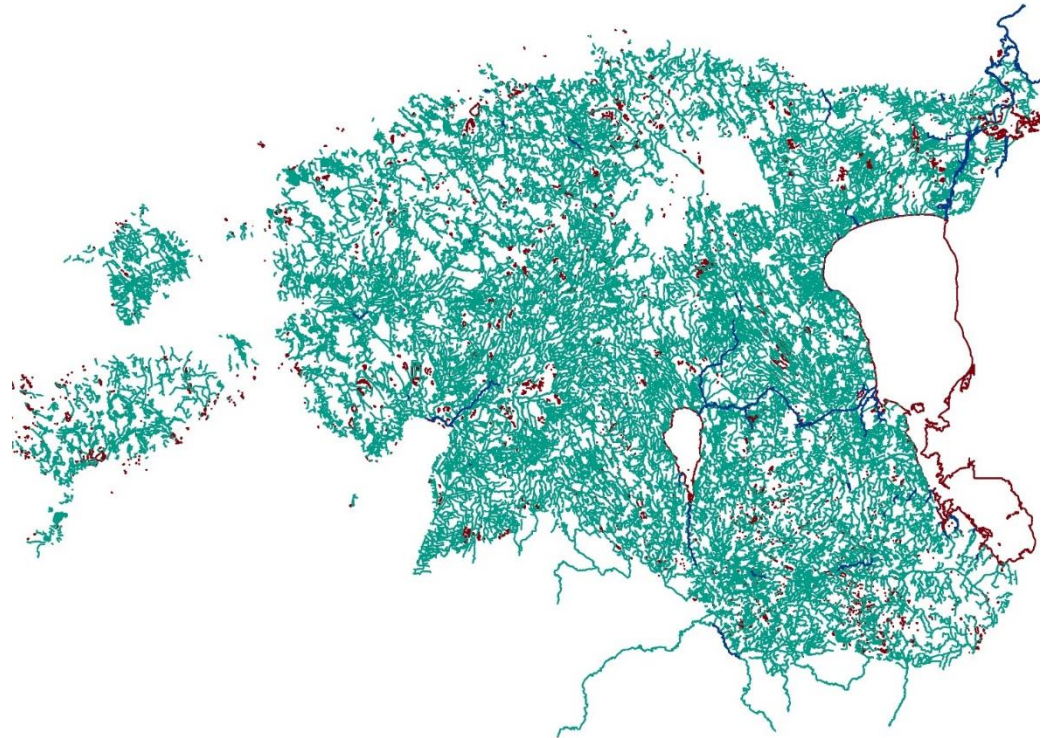
Ca 3500 km coastline

Highest point 305 m



Waters in Estonia

- Ca 1900 rivers streams and ditches over 10 km catchment 10km²
- Over 30 000 km rivers and ditches
- Over 2000 lakes (over 1 ha water area)
- ca 36 500 km² sea and coastal waters
- ca 11 km³ ground water



TARGET OF WATER FRAMEWORK DIRECTIVE

GOOD STATUS

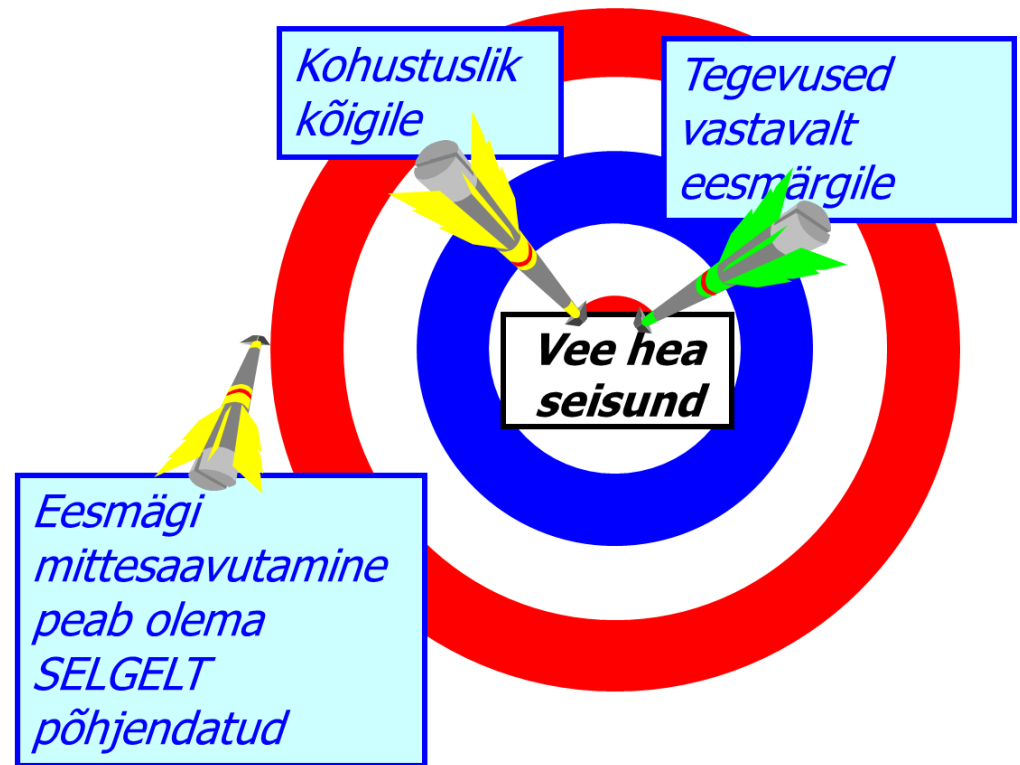
of all water bodies

By 2015 or 2021 or 2027

RIVER BASIN MANAGEMENT PLANS

If good status not
possible in single water
body- analyses needed

In few cases GOOD
POTENTIAL possible



Three river basin districts

Management units

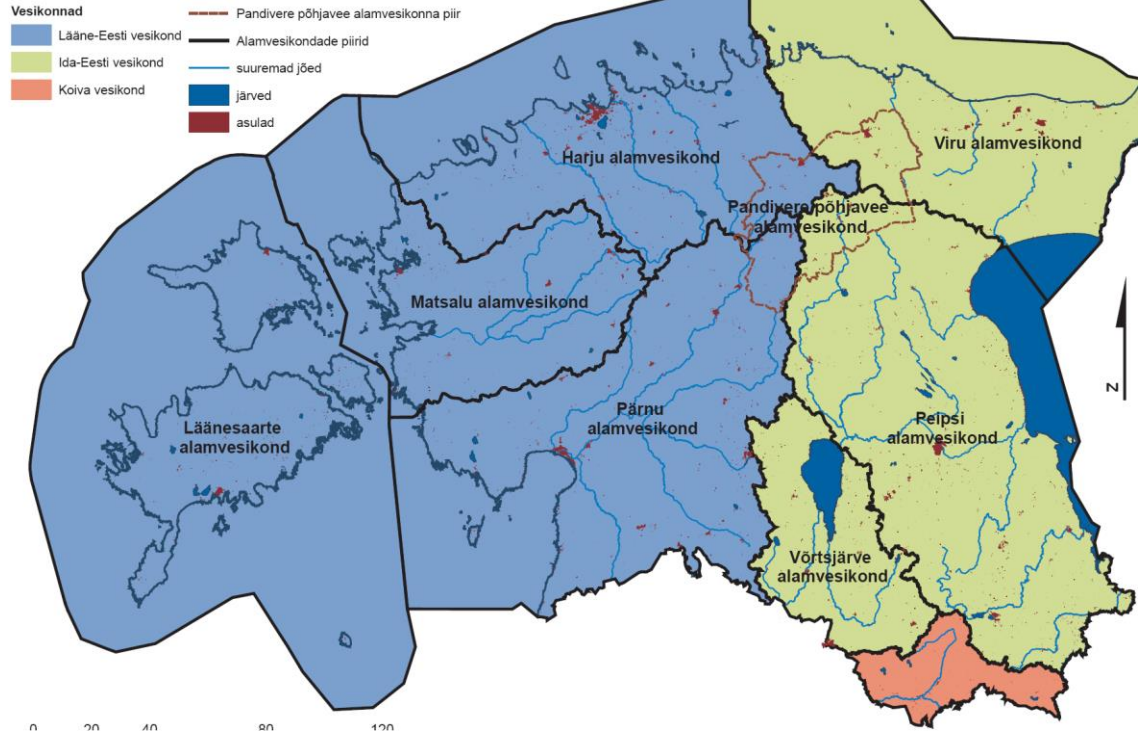
*639 river bodies

*95 lake bodies

*16 coastal bodies

*39 ground water bodies

Eesti vesikonnad ja alamvesikonnad



River basin management plans and PoM

*River basin management plans for II period (2015-2021) are approved in by Estonian Government January 2016

<http://www.envir.ee/et/eesmargid-tegevused/vesi/veemajanduskavad/veemajanduskavad-2015-2021>

*Annex 2 Overview of hazardous substances flows

http://www.envir.ee/sites/default/files/iele_koiva_lisa_2._ohtlike_ainete_andmik.pdf

*Annex 3 Water Monitoring programme (indicative, for 2016-2021)

<http://www.envir.ee/et/eesmargid-tegevused/keskkonnaseire/vesikondade-veeseireprogramm-2016-2021>

River basin management plans and PoM

River Basin Management Plan
Programme of Measures (PoM)

Annex 1 measures for every single
surface water body

Annex 2 measures for every single ground
water body

<http://www.envir.ee/et/eesmargid-tegevused/vesi/veemajanduskavad/veemajanduskavad-2015-2021>

River basin management plans and PoM

- *Environmental Board creates implementation plan for PoM and progress reports every year
- *Status of ground water is assessed once in water management period
- *Status of surface water is assessed every year

<http://www.keskkonnaagentuur.ee/et/eesmargid-tegevused/vesi/pinnavesi/pinnavee-seisund>

Wetlands and ground water independent ecosystems in River Basin Management Plans

*Märgalade seisundi hindamine ja
keskkonnanäesmärkide määramine.

Tallinna Ülikooli Ökoloogia Instituut, 2012.

*Põhjaveekogumi veest sõltuvad ökosüsteemid,
nende seisundi hindamise kriteeriumid ja
seirevõrk. Tallinna Ülikooli Ökoloogia Instituut,
2015. [http://www.envir.ee/et/veevaldkonna-
uuringud-ja-aruanded](http://www.envir.ee/et/veevaldkonna-uuringud-ja-aruanded)

Water Act existed for water level regulation in 18xx 's --- Andres and Pearu



Reindependent Estonia Water Act in 1994

Public right to take water up to 30 m³ daily
(from surface water)

Fishing, bathing, water sports , moving at
water by small boat (§ 4-7)

Special use of water and water bodies (§ 8-9)

Reindependent Estonia Water Act in 1994

Every person is obliged to avoid polluting of water, overabstraction of water, putting waste and materials into the water, damaging of water ecosystem (§ 23)

Water permitting depends on range of possible impact, water permit owner has to carry on monitoring

Reindependent Estonia Water Act in 1994

Rules of regulating of river flow and
longitudinal connectivity (§ 17-18)

Restriction of causing the floods and
excessive soil humidity (33_10)

*Water level lowering regulated indirectly
through WFD water bodies targets and
everyone obligations

Reindependent Estonia Water Act in '2010

Water bodies and their targets (§ 3_5
...3_12)

Water bodies and status assessment
(3_23... 3_29)

Special explanation in case of ground
water body level damage or river-
lake physical alteration (§ 3_12)

***National colours in nature –
Sometimes it means
sky , forest (*bank protection zone*) and water***





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Thank you!

PUHAS VESI HOIAB ELU!

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