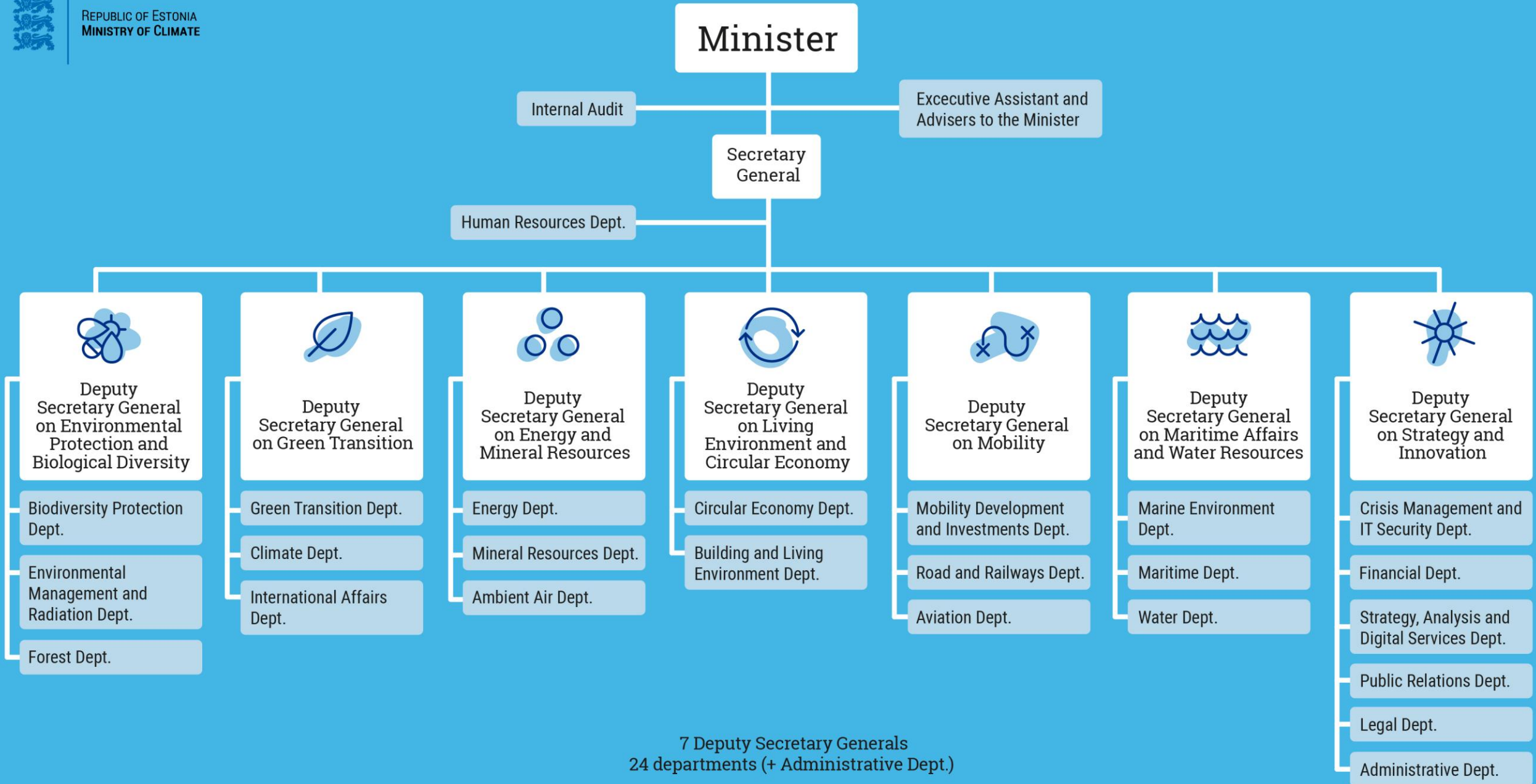




# The Future of Estonian Water Management

Deputy Secretary General for Maritime and Water Affairs in Estonian Ministry of Climate

Kaupo Läänerand



7 Deputy Secretary Generals  
24 departments (+ Administrative Dept.)



# Water management - the foundation of everything from a healthy human body to industry

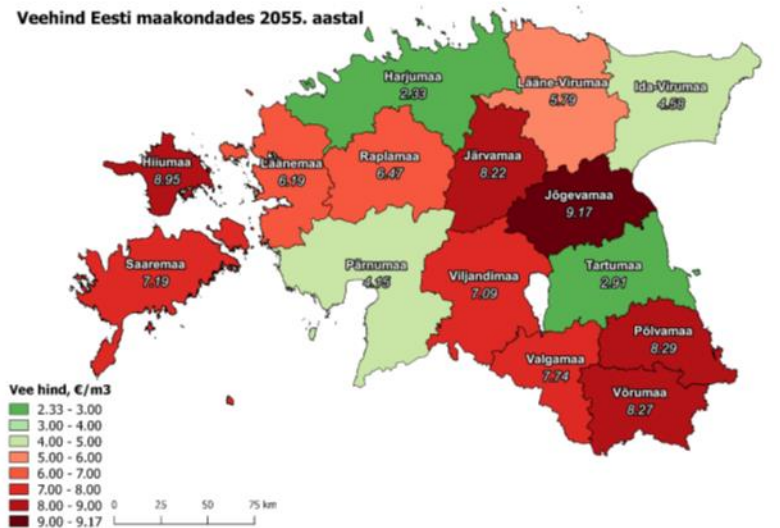
- Approximately 1.1 million people use the public water supply and sewerage service.
- Around 200 000 people have to use a local solution for the collection/treatment of waste water and have a well for drinking water



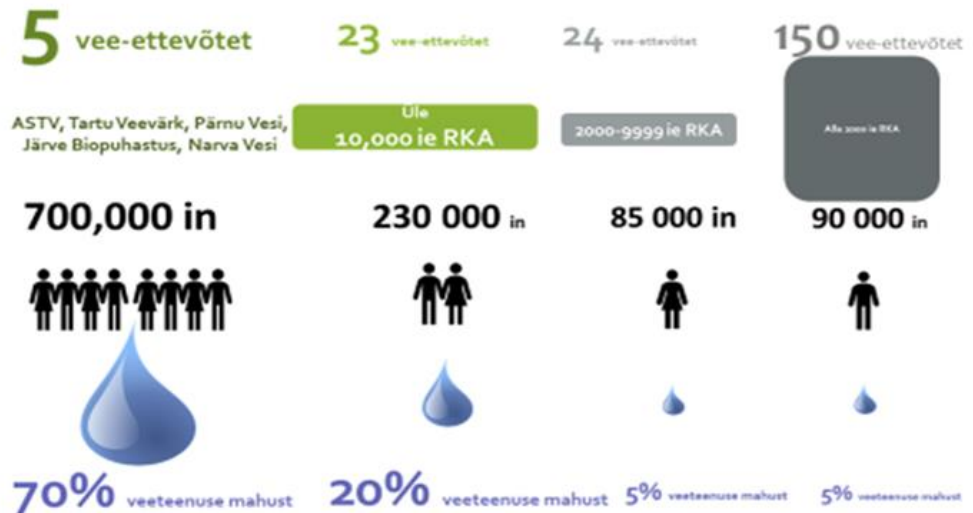


# Water management priority 1/ Water service reform

- Average price of water service (2021.a) - 3.72 € m<sup>3</sup>, which represents 1.1% of the average net income of a household member
- The need for investments in the next 15 years is ca 2 billion €, it is necessary to increase the price of the service public water supply and sewerage service if it represents 2.5% (~8.5 eur), which corresponds to 4% of the lower income decile
- According to the recommendation of the World Bank and OECD, the water price is still affordable 3-5% (~10 -17 eur m<sup>3</sup>)
- Joining water companies into larger ones is essential



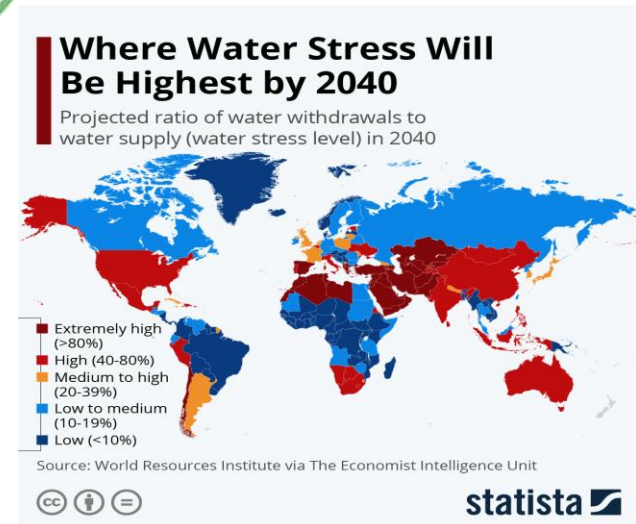
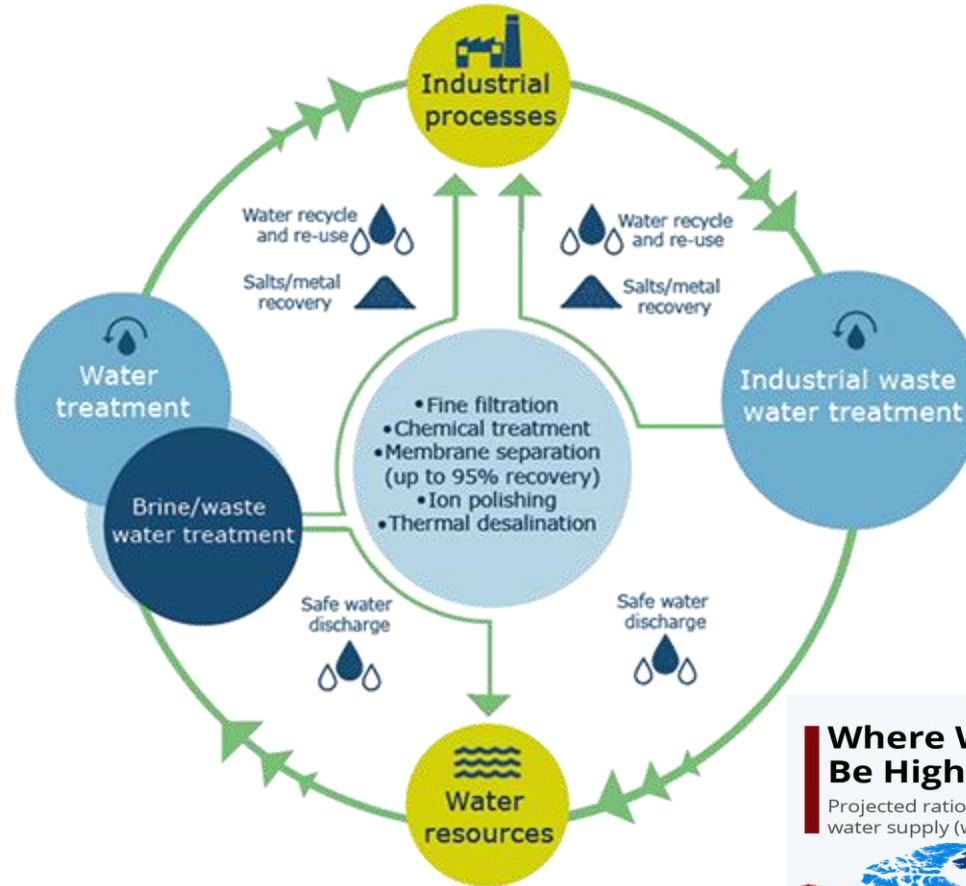
## Vee-ettevõtete jaotus Eestis





# Water management priority 2/ Water reuse

- Redesign the consumption of water resources, making more use of the water resources that have not been used so far from rainfall, mines, industry and household, so that clean water can continue.

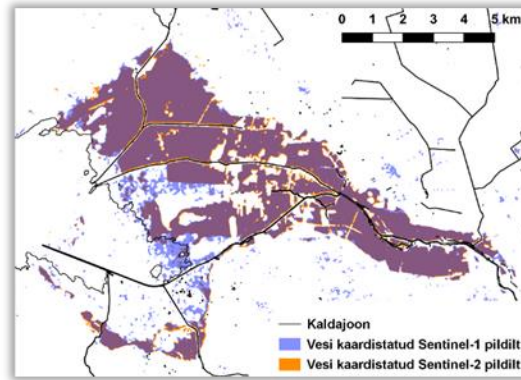




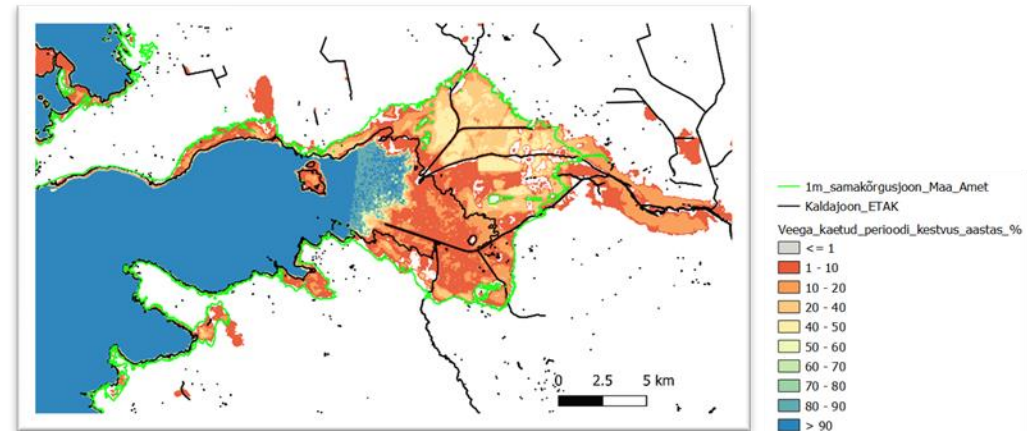
# Water management priority 3/ Ensure better preparedness for adaptation to climate change and crises in the water field



Üleujutuse operatiivse kaardistuse näide: vee ulatus kaardistatud Sentinel-1 ja 2 andmetelt  
24.03.2019



Statistilise üleujutuse teenuse näide:- vee esinemise sagedus Matsalu luhaalal 06.2019-06.2020





# Water management priority 4V/ Reduce pollution reaching water bodies and the sea



Agricultural pollution; pollution from waste water treatment plants; development of micro-pollution and 4th-stage treatment capabilities; pollution from medicinal products; industrial pollution; development of storm water systems.





## Water management priority 5/ Reduce the footprint of water companies GHG and increase efficiency





# LIFE IP CleanEST project improves the status of waterbodies in Viru sub-basin

