



REPUBLIC OF ESTONIA  
TRANSPORT ADMINISTRATION

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senior hydrographer  
Estonia



# Estonia?

## Trivia facts:

- Population: 1,36 mln (2% of ROK)
- Area: 45 339 km<sup>2</sup> (45% of ROK)
- Territorial waters: 36 992 km<sup>2</sup>
- Shoreline: 3 794 km, 2000 islands and islets
- Max elevation 318 m, max depth 201 m





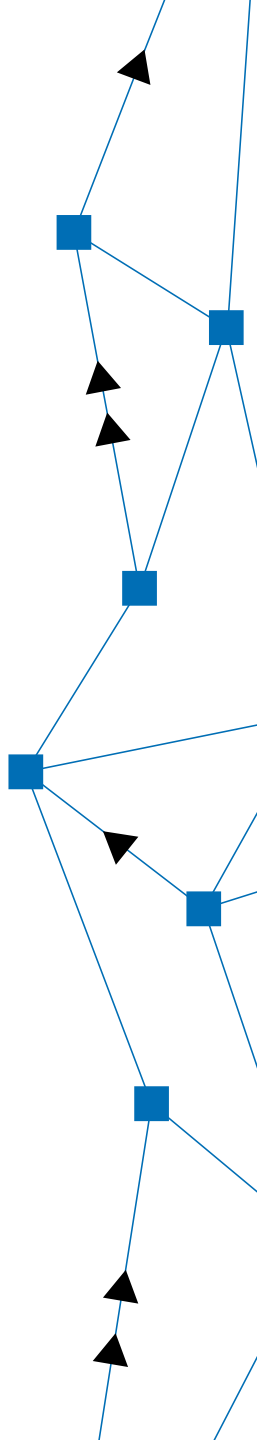


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Typical coastlines

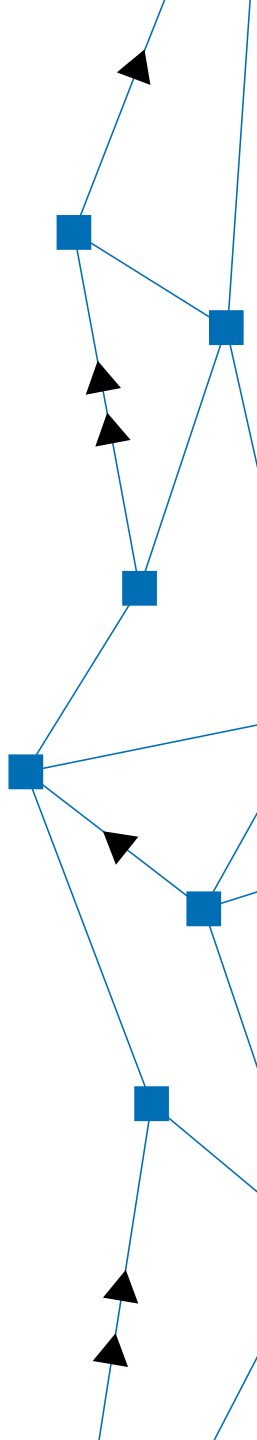
# Survey vessels

insert picture



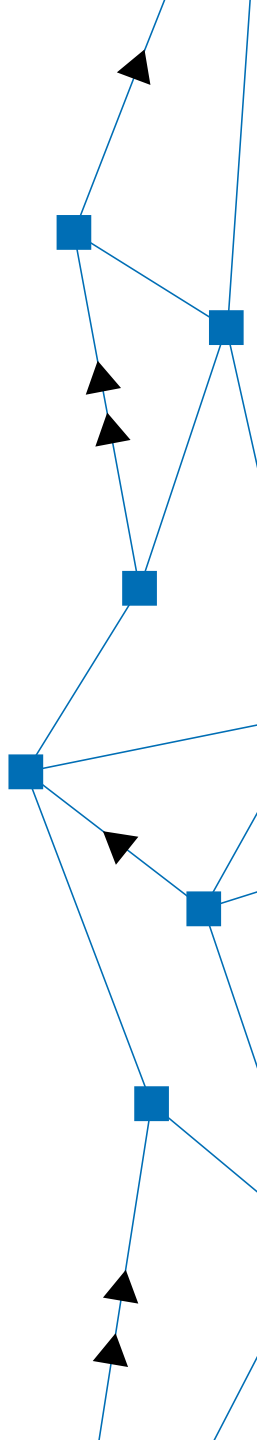
# Equipment

- RESON multibeam
- Meridata sub-bottom profiler
- EdgeTech sidescan
- RTK-VRS for positioning
- homemade software for survey, data processing and managing



# Everyday challenges

- brackish water
- extremely murky waters
- underwater rocks – A LOT
- wrecks
- cold winter



# My duties

## As hydrographer

- Offshore survey
- Data processing
- All kind of day-to-day issues

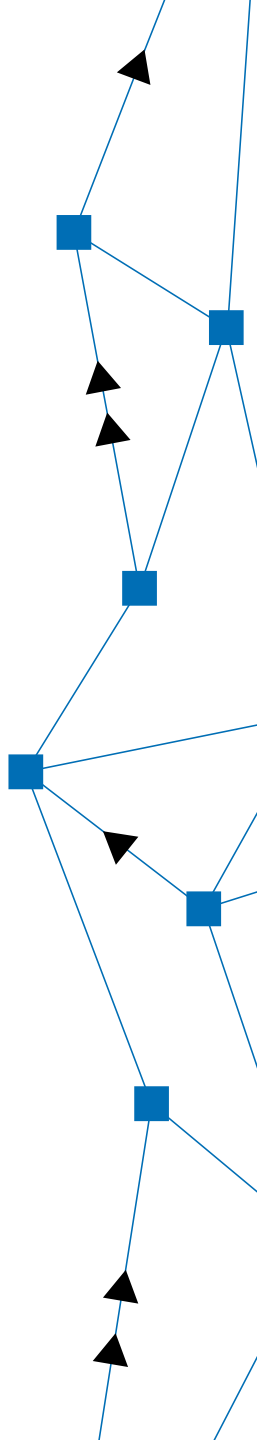
## As teacher

- “Satellite geodesy” class in Estonian Maritime Academy
- Assisting students in summer practice



# Personal experience during Cat A programme

- Use of equipment previously known only theoretically
- Deeper understanding of survey physical processes
- Surveying in new environments
- Making new connections to other countries hydrographers







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Time for questions