



## THE CALIBRATION AND VALIDATION OF FOREST HYDROLOGICAL RESPONSE UNIT OF CONCEPTUAL HYDROLOGICAL MODEL METQ

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- ~50% of land in Latvia is covered by forests that contribute to a significant share of nutrient export to the Baltic Sea. Smart forest management is crucial
- 5 forest melioration system ditch network catchments with V-notch runoff weirs
- Meteorological and runoff data since 1968 + water quality data
- METQUL 2012 calibration and validation for forested lands for runoff modelling for small catchments

Calibration and validation results are satisfactory and the model will be further tested for nutrient export estimation using meteorological data

