Online demonstration of e-monitoring of pilot sites in Finland

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Purpose of the pilot site e-monitoring in Finish pilot sites

- To produce reliable & neutral research information on the operation of the pilot sites.
- To provide information on short time variation of storm water quantity and quality.
- To enable quick response to changes at pilot sites.

Note: Systems are planned for data collection purposes only – not for real-time communicational purposes for general public or as an early warning system.

E-monitoring of pilot sites in Finland

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Monitoring equipment & method

Quantity:

Keller DCX pressure sensor with ARC logger unit
+ V-notch weir (site specific calibration)
Measurement in 2 min (Turku) or 4 min (Lieto)
Power supply: internal battery
Data: Kolibricloud cloud service

Quality:

Exo multiparameter sonde for turbidity, pH, conductivity and temperature measurement.
Measurement in 4 min interval
Power supply: external battery + solar panels
Data: HydroSphere cloud service

Example from Turku pilot –water level at inlet and outlet

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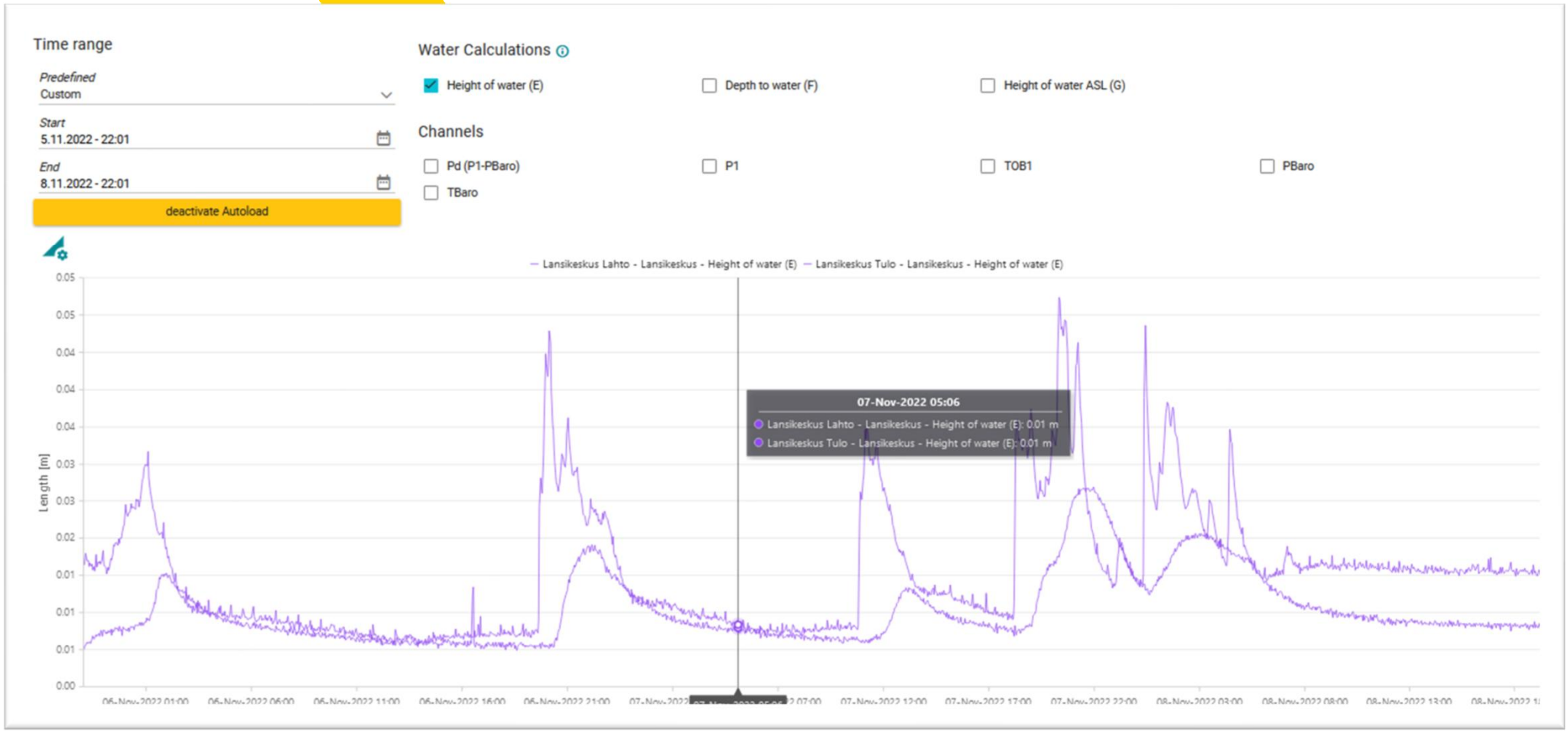

Example from Lieto pilot – turbidity and pH at inlet

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Thank you!

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EUROPEAN UNION
European Regional Development Fund

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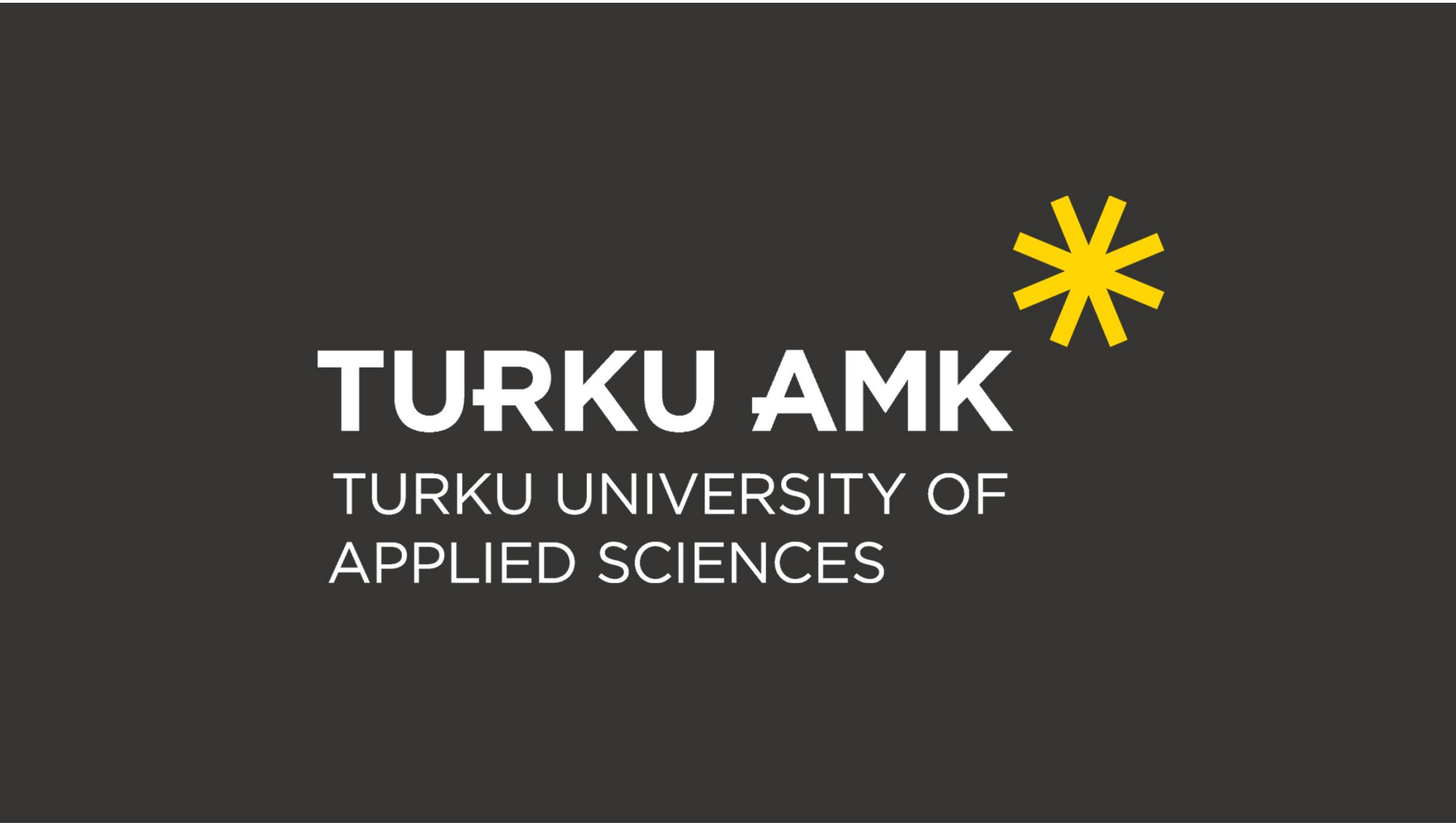
More information about the CleanStormWater -project:
https://www.viimsivald.ee/interreg-cb-project-cleanstormwater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Online data examples

- Quantity at Turku pilot
- Quality at Lieto pilot

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