

# Launching a study of nanoplastics in the Baltic Sea, SW Finland - *Picking up small debris*

## Project goals

### 1st year

Developing of a methodology for measuring nanoplastic particles in environmental samples

### 2nd year

Using the developed methodology, the first estimates of the amounts of nanoplastics in Finnish coastal waters are achieved

## Methods

Analysis with *electron microscopy* and with *Raman microscopy*

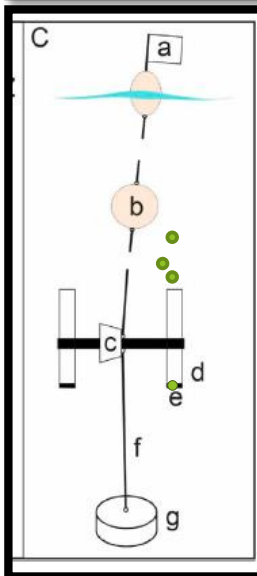
FESEM at the [Department of Physics](#)



Raman microscope at the [Department of Chemistry](#)



R/V Aurelia - FINMARI vessel



Sedimenting particle trapping



Water samples



Sediment samples



Study area - Halikonlahti bay

**TURUN YLIOPISTO** | Biodiversiteetti

Research collaboration

*Biodiversity Unit*

Post doctoral researcher Arto Hiltunen

[arto.hiltunen@utu.fi](mailto:arto.hiltunen@utu.fi)

&

Professor Jari Hänninen

[jarhan@utu.fi](mailto:jarhan@utu.fi)

*Department of Georaphy and Geology*

Adjunct Professor Saija Saarni

[saija.saarni@utu.fi](mailto:saija.saarni@utu.fi)