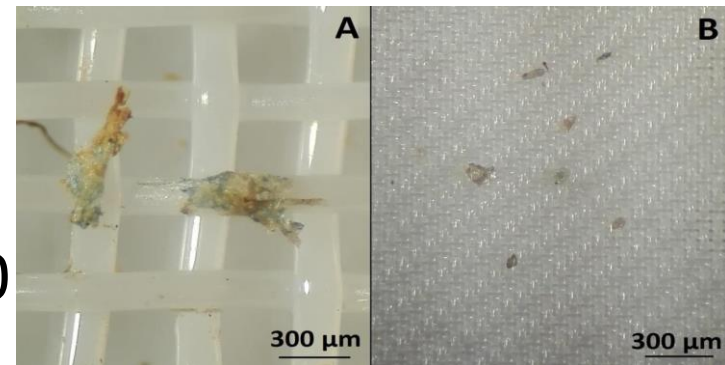


Biannual strategic plan of CCB 2018-2019/ LIFE17/NGO/FPA/SE100040



Summary: stormwater and WWT facilities - sources of microplastic pollution of the Baltic sea

Objectives

1. Address sources of microlitter pollution that are not adequately covered
2. Facilitate improvement of stormwater management in order to prevent microlitter
3. Support development of a guidance on stormwater management on a local level to prevent and reduce microplastics entering the marine environment

Location: Sweden/4 sites

Results

Microplastics is clearly present in stormwater & WWTP effluents

MP amounts released by stormwater \geq by wastewater

- MPs $< 300 \mu\text{m}$ abundant
- Large variations of MP conclusion
- Black particles in large concentrations – Tyre wear?
- Constructed wetlands and stormwater ponds are efficient barriers for MPs - show a reduction of 90-99% of particles 20-300 μm
- There are relatively simple and verified methods for sampling and analyzing of MP contents in water
- CCB proposal: all WWTP should establish testing of microplastics content of outflowing water



AfterLIFE & Project sustainability – Used for new projects of CCB