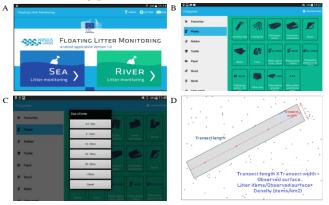
Distribution of floating marine macro-litter in relation to oceanographic characteristics in the Russian Arctic Seas

Approach



- JRC App for Marine Litter detection
- Observations:
 115 transects; 87 hours; 2228 km; 33 km² area;







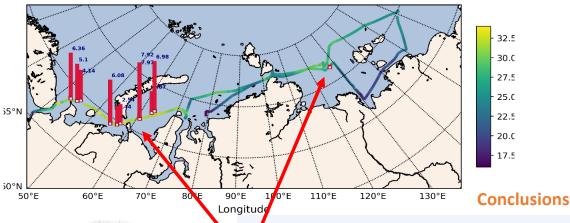
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Results



Oceanographical information is very important for analyzing macro litter distribution
 Floating marine litter was detected ONLY in saline

Atlantic surface water and Polar surface water
 In the autumn period the river discharge is free from floating macro litter

The found floating macro litter concentrations averaged at 0.92 items/km2 (mean) with a maximum of 7.97 items/km2

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Norwegian Ministry of Climate and Environment project RUS-19/0001 Establish regional capacity to measure and model the distribution and input of micro plastics to the Barents Sea from rivers and currents (ESCIMO).

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