



TRAINING COURSE

Transport of microplastics in marine environments: fundamentals and numerical modelling

DESCRIPTION

Marine plastic debris is of increasing concern because of its longevity, toxicological properties, and effects on marine ecosystems and wildlife.

Microplastics (< 5 mm) are the most abundant and potentially hazardous plastic items in marine environments. One of the challenges of the emerging "microplastics science" is to understand their transport and fate.

This one-day course aims to provide an overview of the transport dynamics of microplastics and hand-on experience on its numerical modelling using the 3D TrackMPD model.

PROGRAM

09:30-09:45	Introduction and Motivation
09:45-10:15	Ocean Transport Processes
10:15-10:45	Marine Microplastics Debris: Characteristics and Behaviour
10:45-11:15	Coffee Break
11:15-12:00	Numerical Modelling of Microplastic Transport
13:30-16:00	Practice with TrackMPD model

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More information about TRACKMPD: <https://github.com/IJalonRojas/TrackMPD>



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