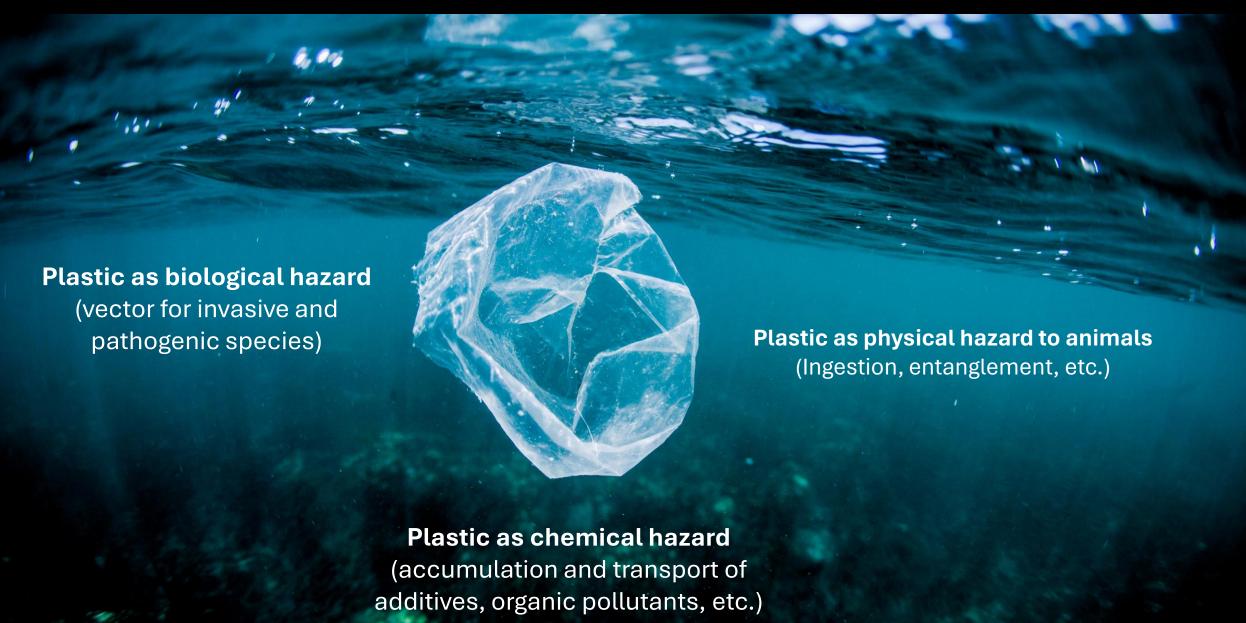


Marine Plastic Pollution: A Biological Perspective

MAPLE – Marine Plastic Pollution: Environmental Impact and life cycle scenarios

A project in the Interdisciplinary Sustainable Initiatives at NTNU

Plastic Impacts on Ecosystems



Ecosystem Impacts on Plastics



Plastic Microbial Colonization

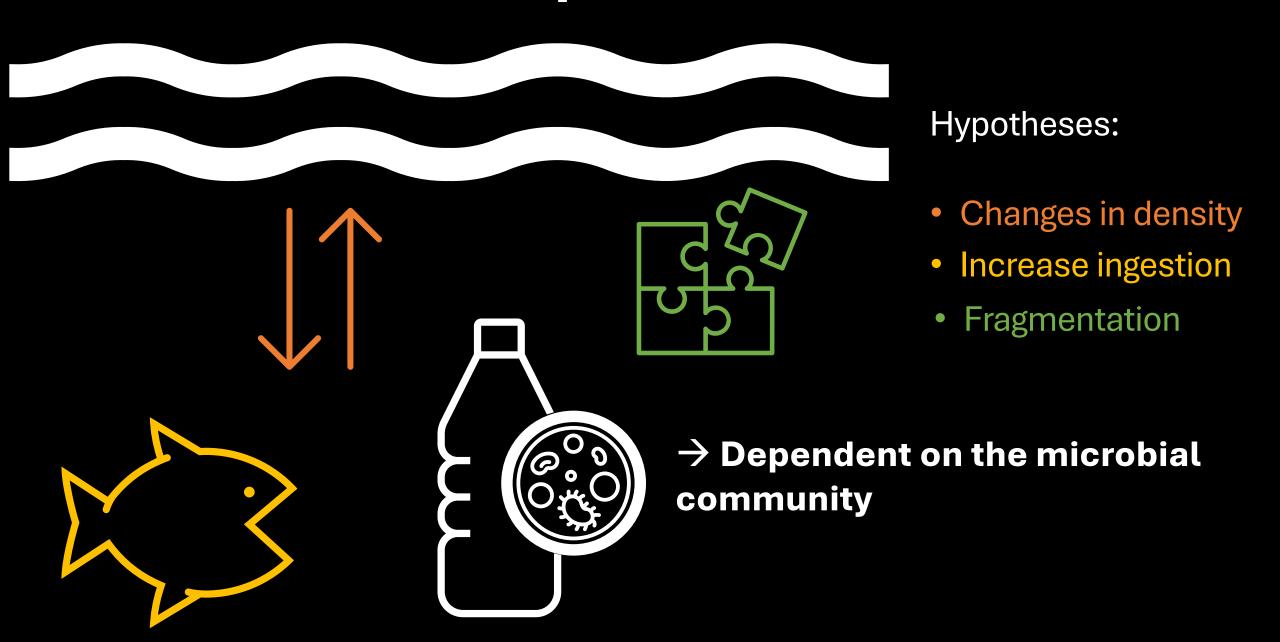






Conditioning film \rightarrow Adherent Bacteria \rightarrow Bacterial Biofilm \rightarrow Microalgae and Diatoms \rightarrow Larva of Invertebrates and Invertebrates

Microbial Impact on Plastic fate



Plastic Microbial Colonization



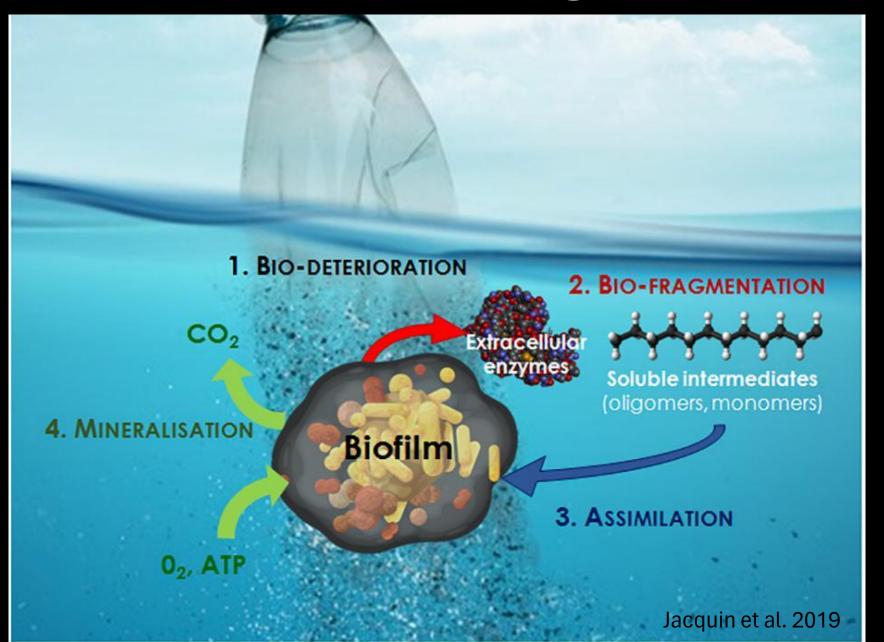
Why are they there?

What are they doing on there?



Marine Plastic Biodegradation

Marine Plastic Biodegradation



Plastic-associated microbes in Trondheimsfjorden

