

Definition of microplastics: < 5 mm

'primary' manufactured for a purpose





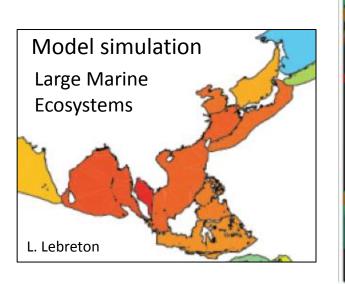
Resin pellets – used by plastics industry

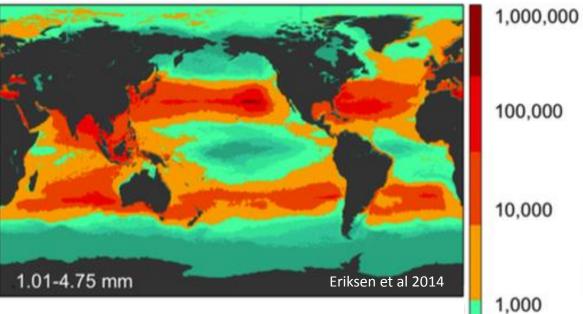
'secondary' fragments of larger items



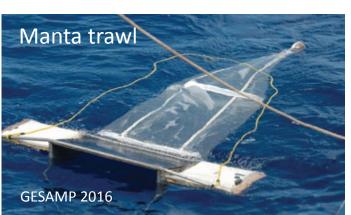


Microplastics – a trans-boundary issue

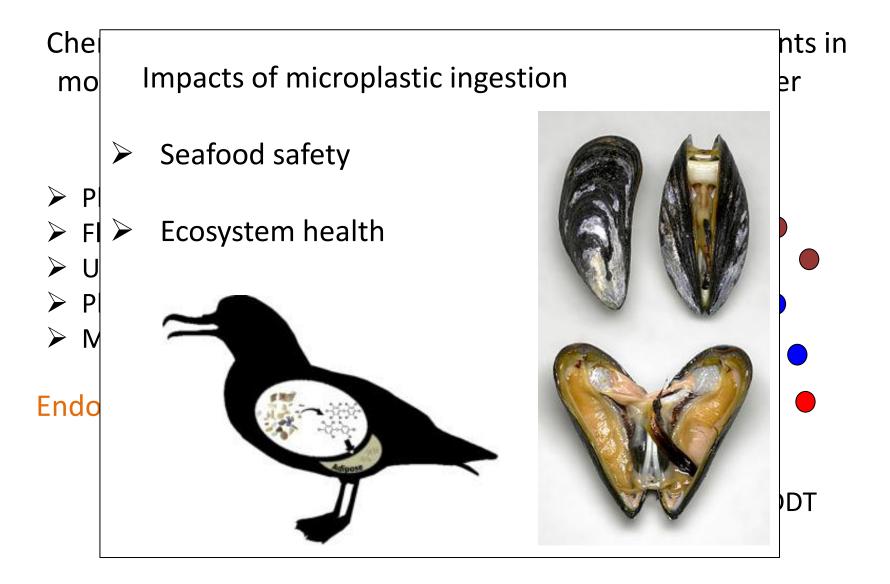


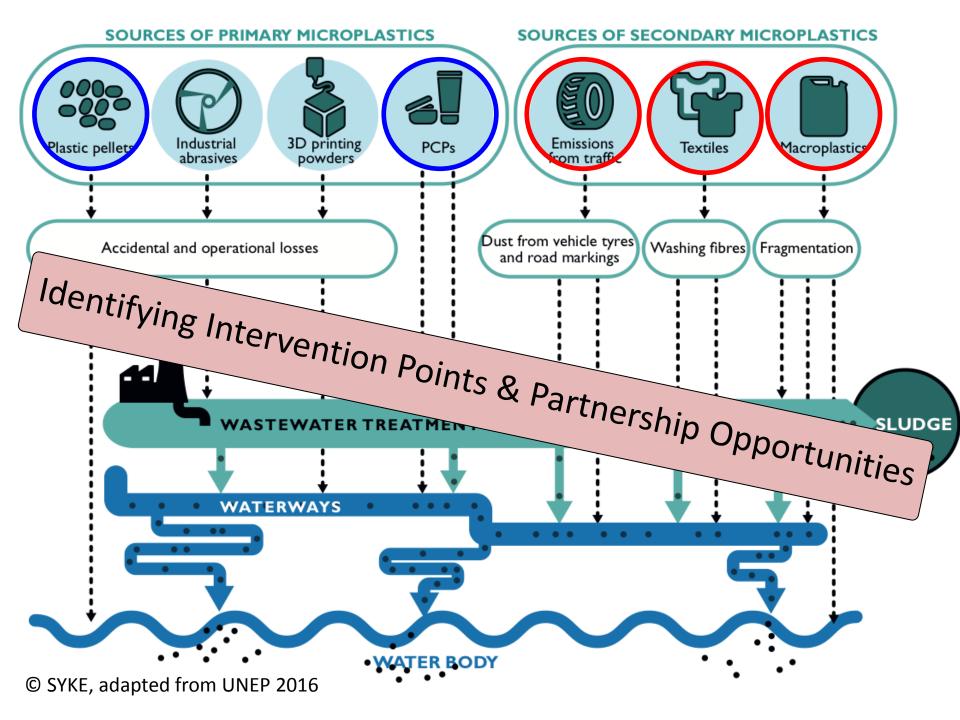






Chemical impacts of microplastics



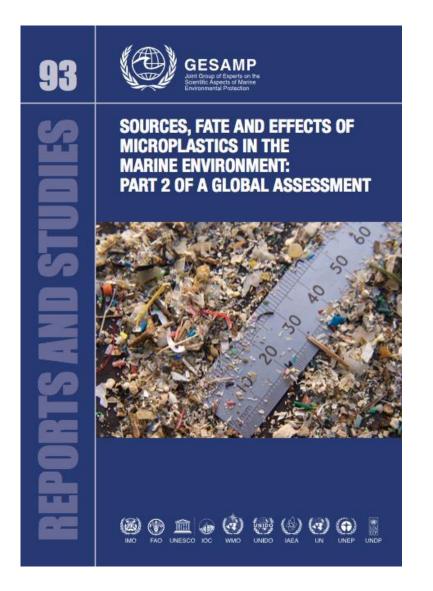


Other SDG targets related to marine litter

- 6.3 By 2030, the proportion of untreated wastewater should be halved
- 11.6 By 2030, reduce the adverse per capita environmental impact of cities municipal and other waste management
- 12.1 Implement the 10-year framework of programmes on sustainable consumption and production
- 12.4 By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle
- 12.5 By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse

Multiple benefits

Microplastics and other pollution stressors



- ➤ Marine litter
- Microplastics
- Nutrients
- Underwater noise
- Organic pollutants
- > Temperature
- Acidification

Impact of multiple stressors?

