

# A framework for addressing marine plastic pollution in LCA

Francesca Verones



ATLANTIS



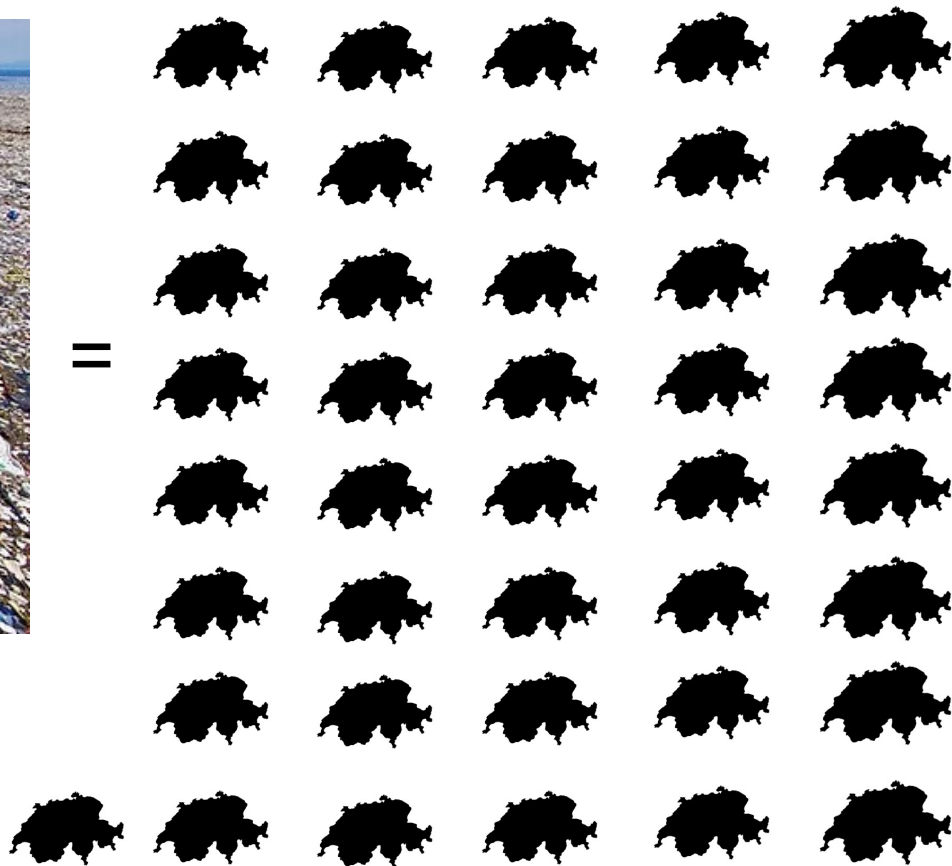
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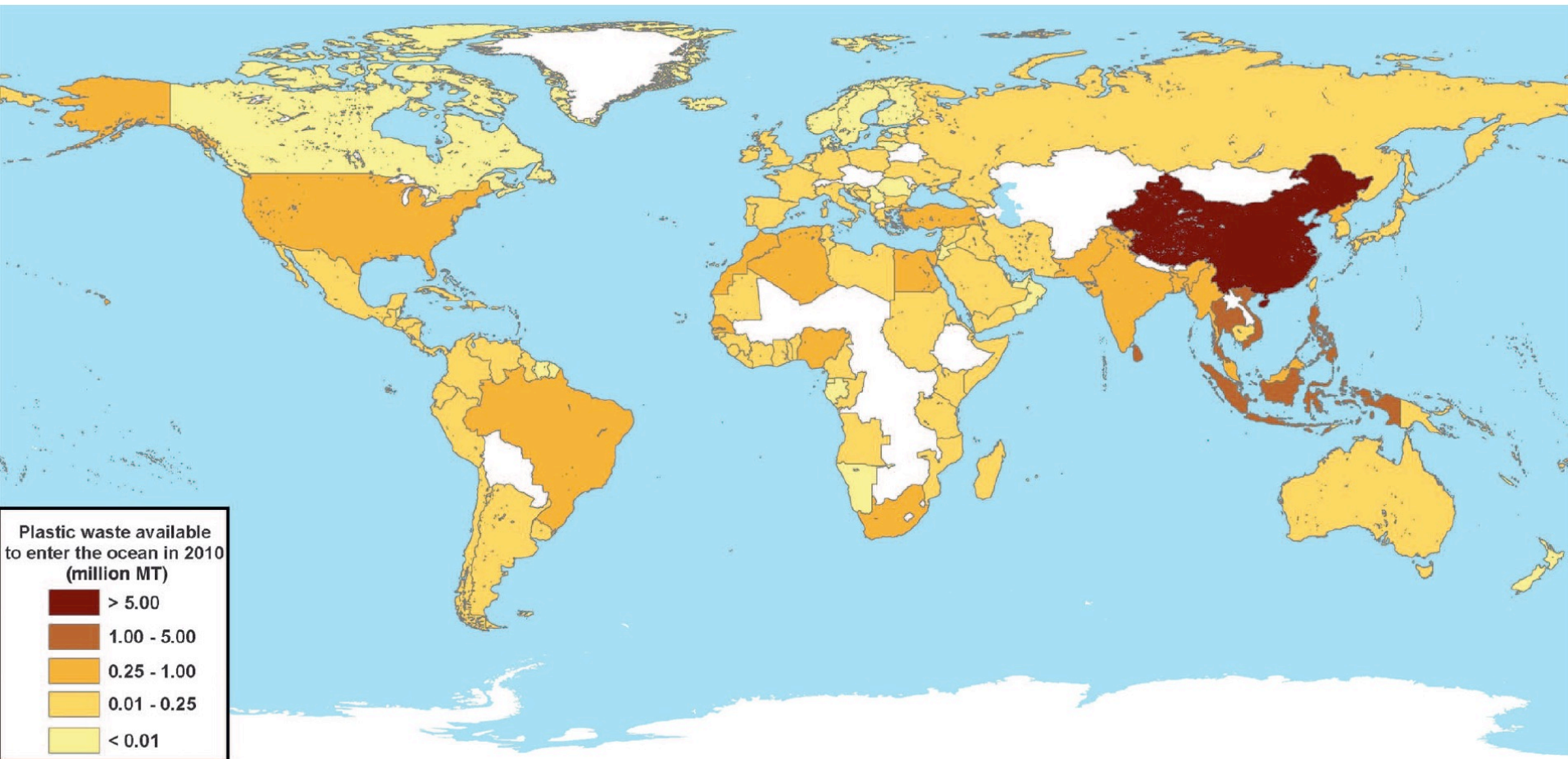




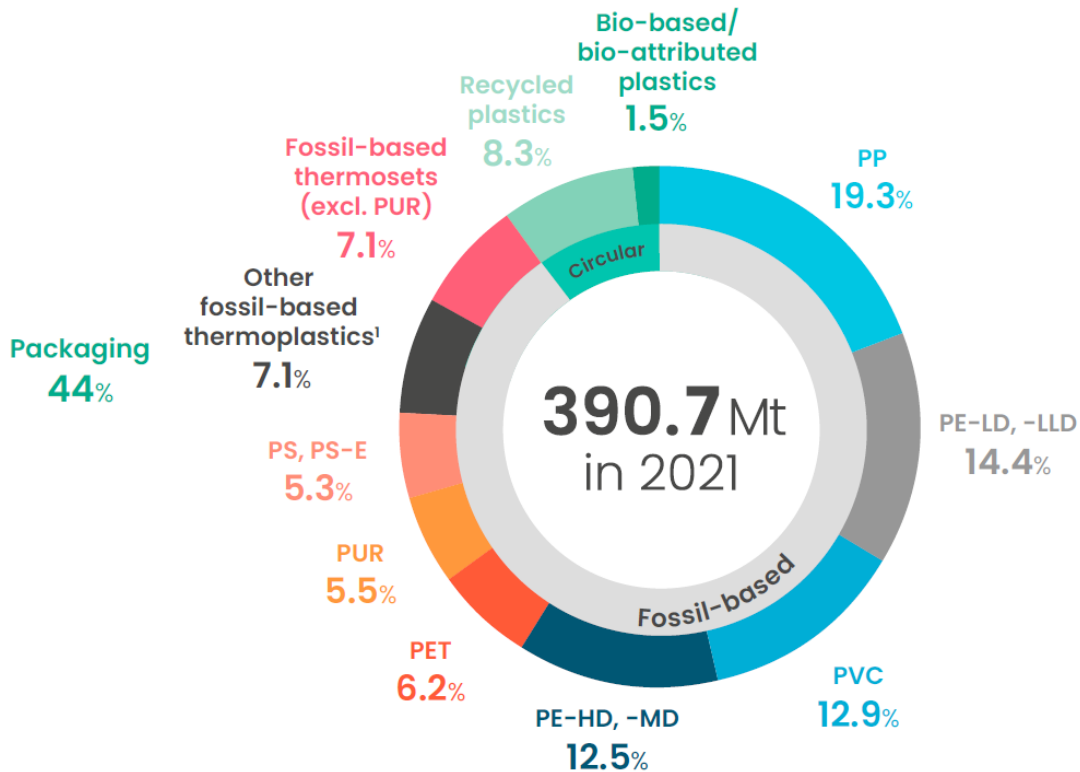
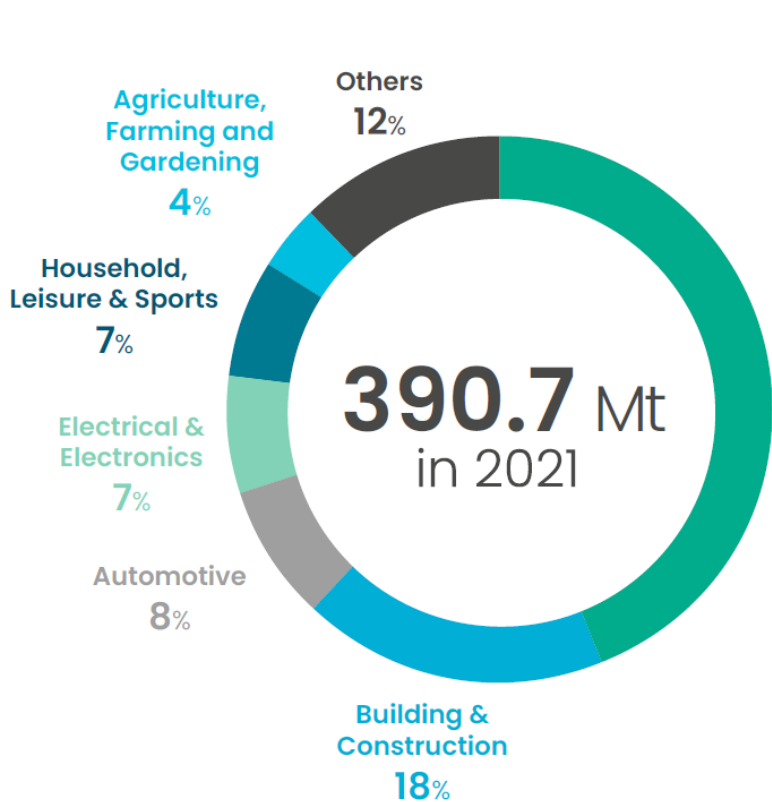


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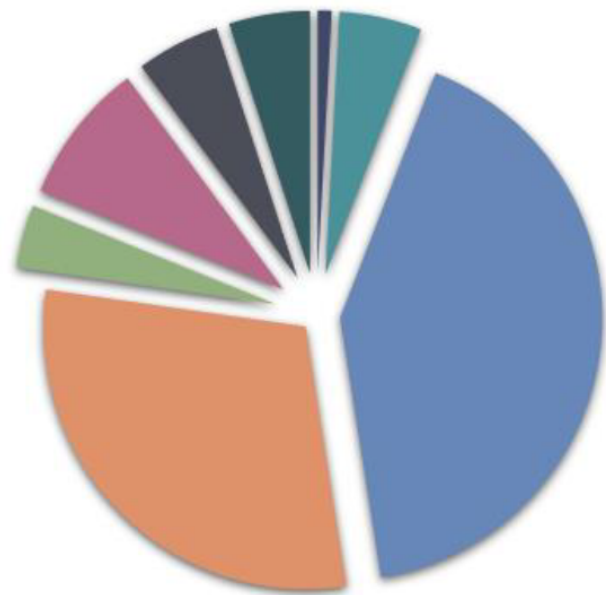


Jambeck et al. 2015











Plastics Europe (2022)

## Norske Mikroplastutslipp



19 039 tonn

	Plastic pellets	0,8 %
	Synthetic textiles	5,1 %
	Car traffic	41,6 %
	Artificial soccer fields	29,8 %
	Intentionally added microplastics	3,9 %
	Wear and tear	8,7 %
	Waste management systems	5,1 %
	Littering	5,0 %

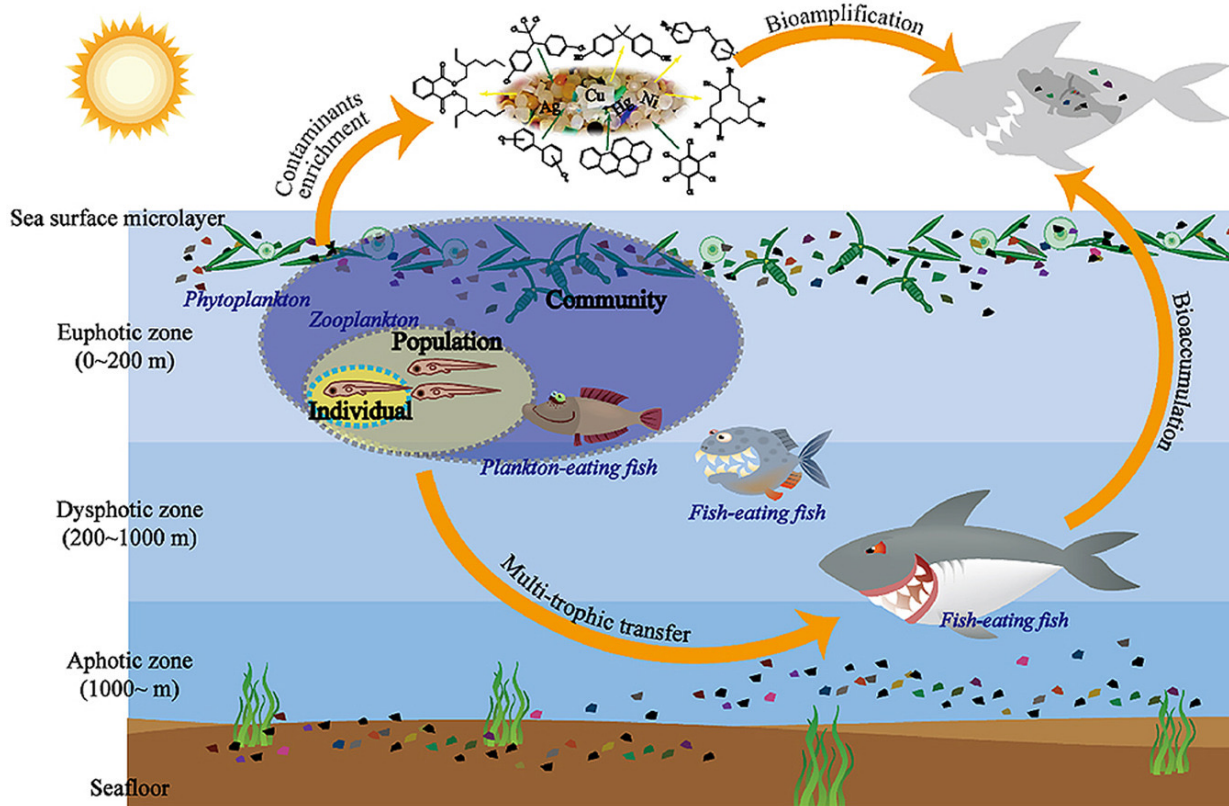


- Video of turtle with amputated flipper – too large to send

Video: C.Simoni







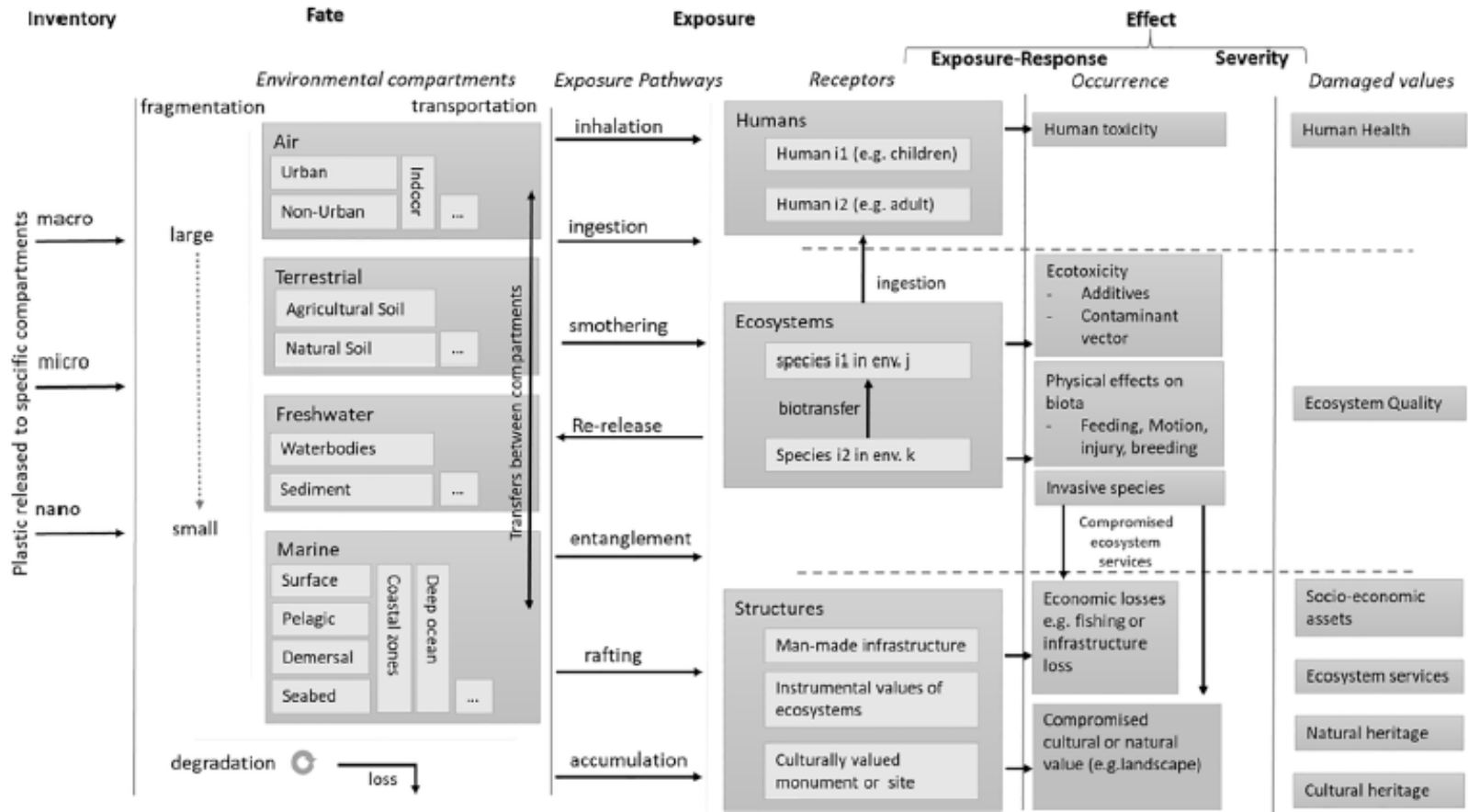
Ma et al. (2020)



## THE NEW FOOD CHAIN



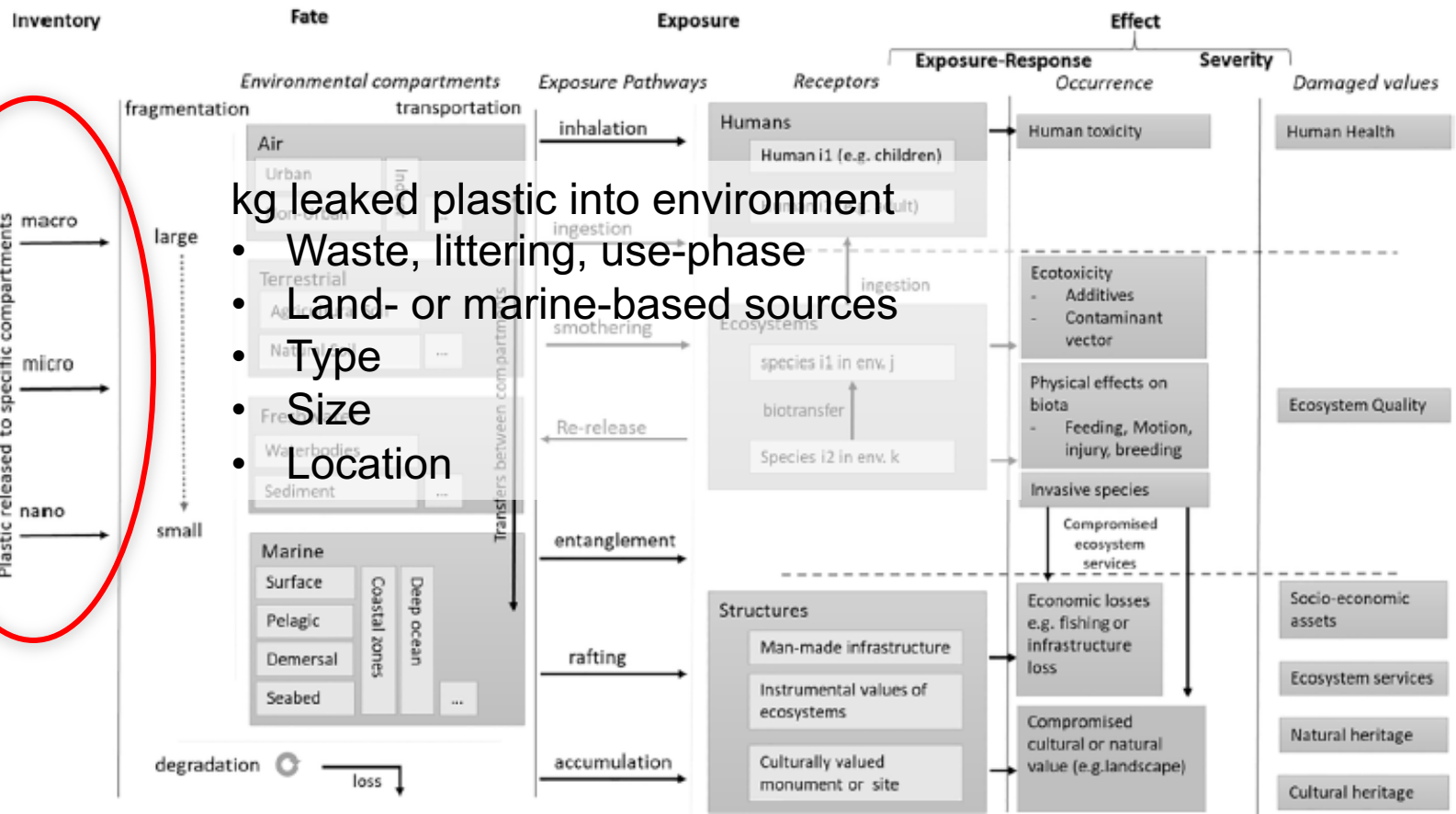
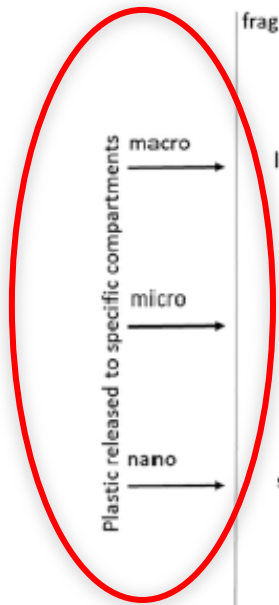




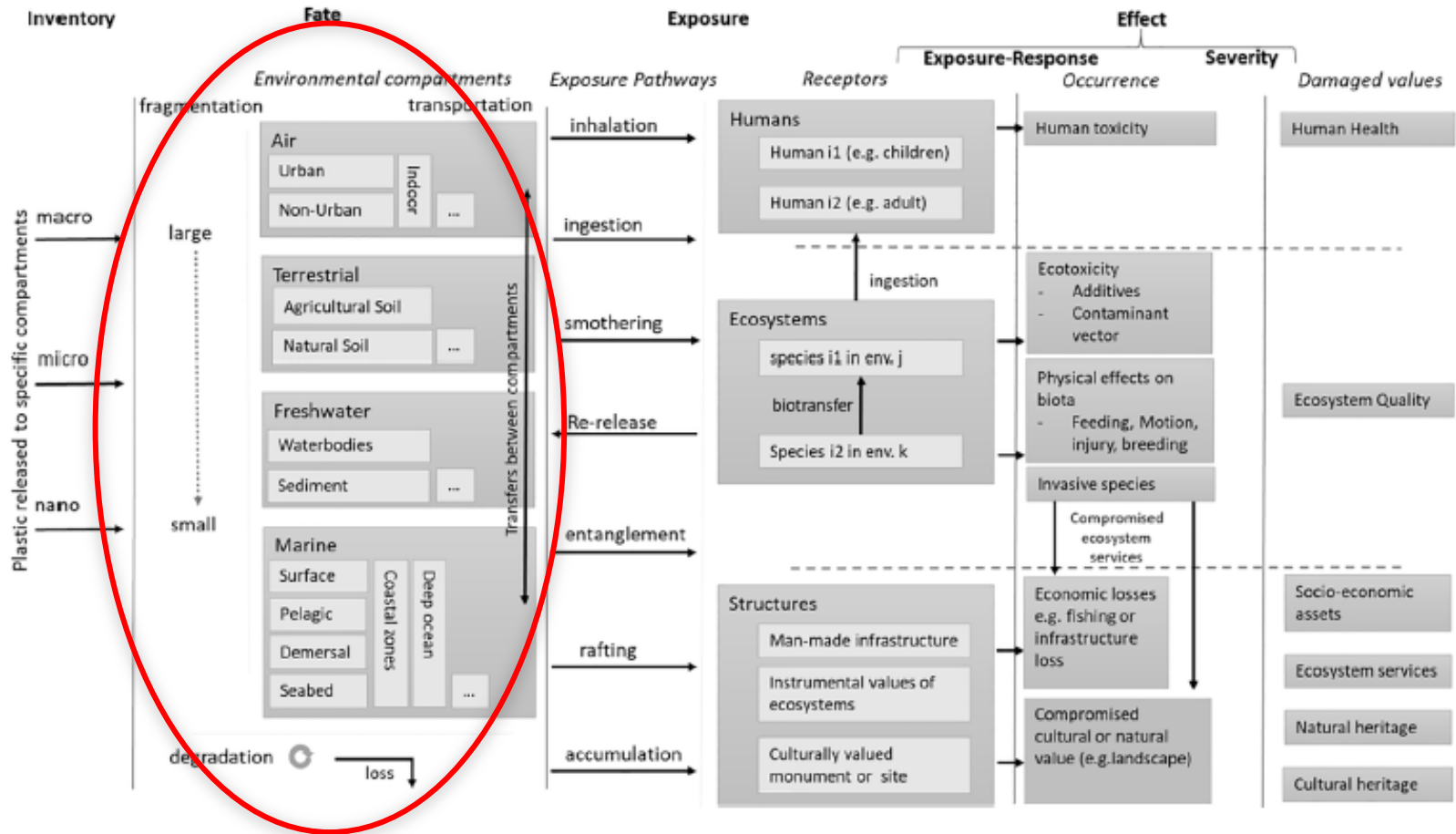
Woods et al. (2021)

kg leaked plastic into environment

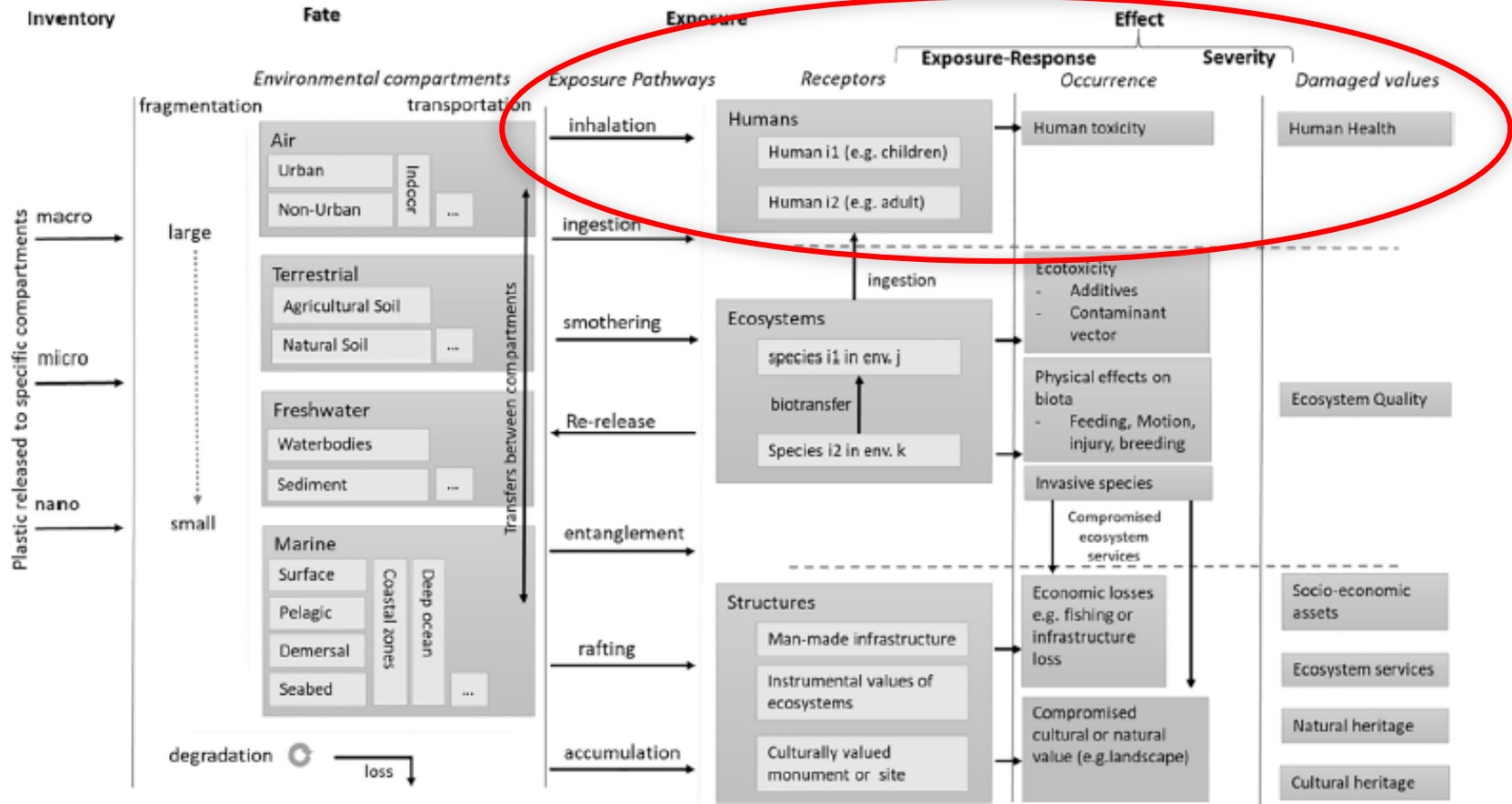
- Waste, littering, use-phase
- Land- or marine-based sources
- Type
- Size
- Location



Woods et al. (2021)

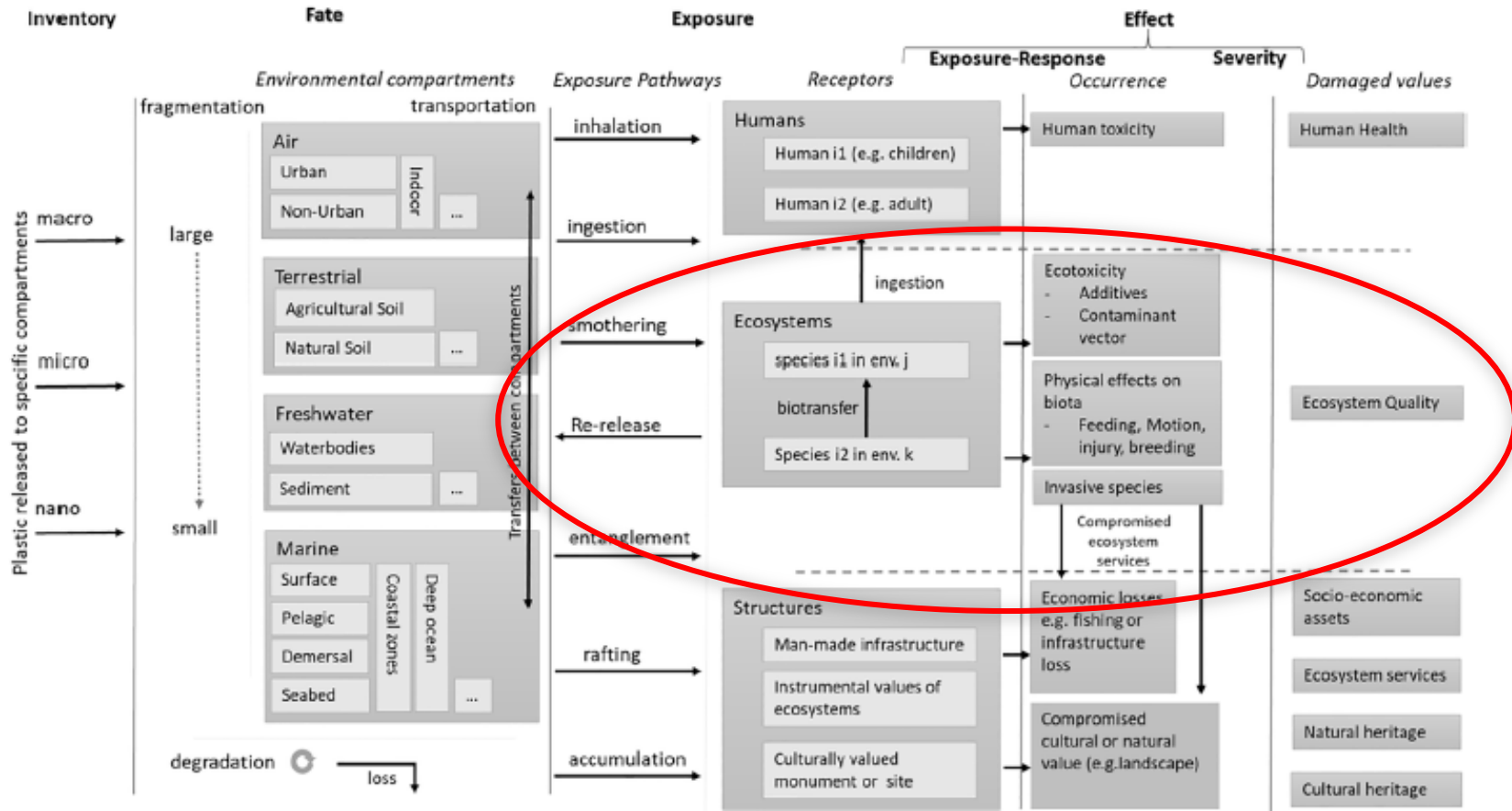


Woods et al. (2021)

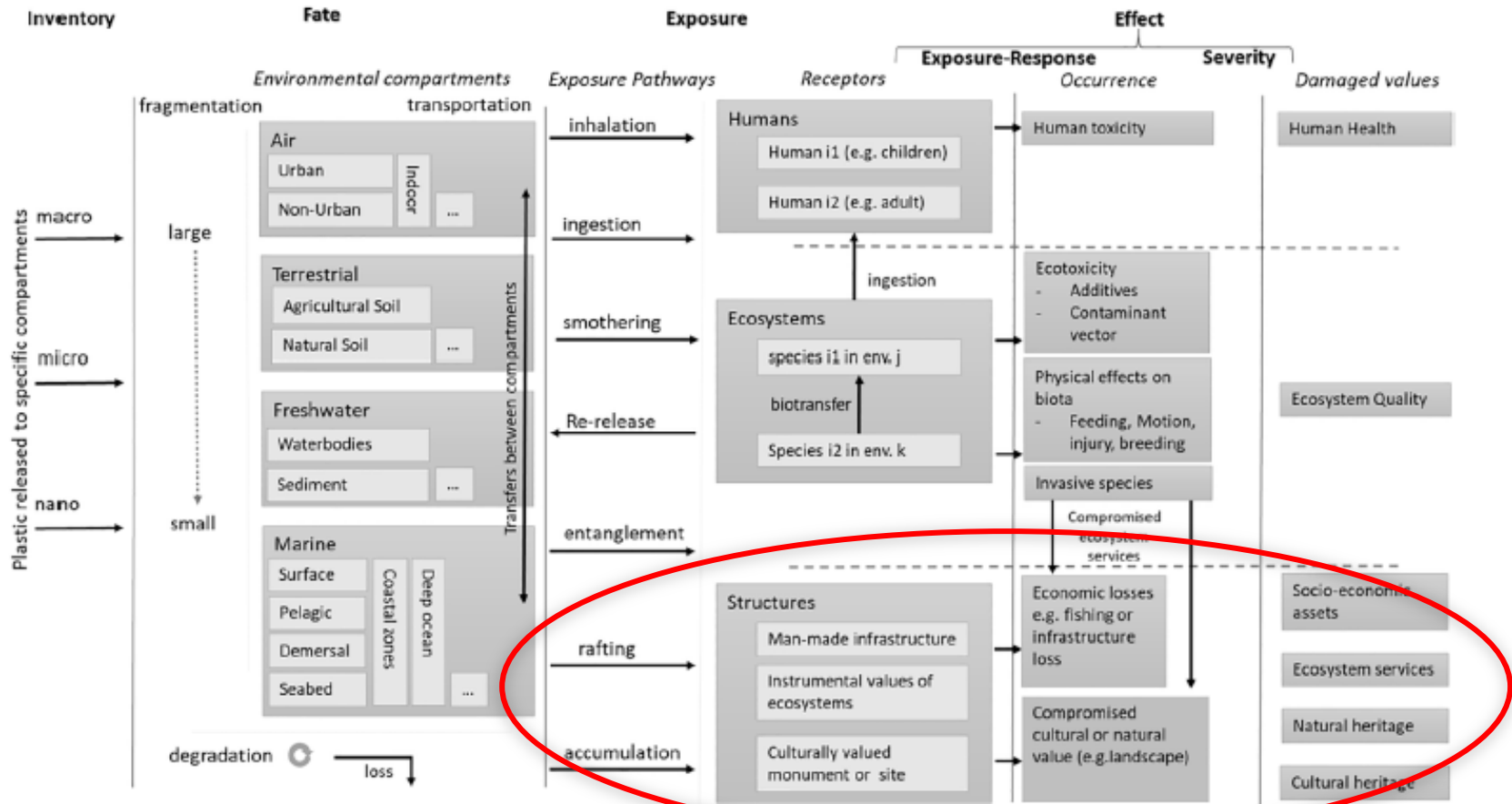


Woods et al. (2021)

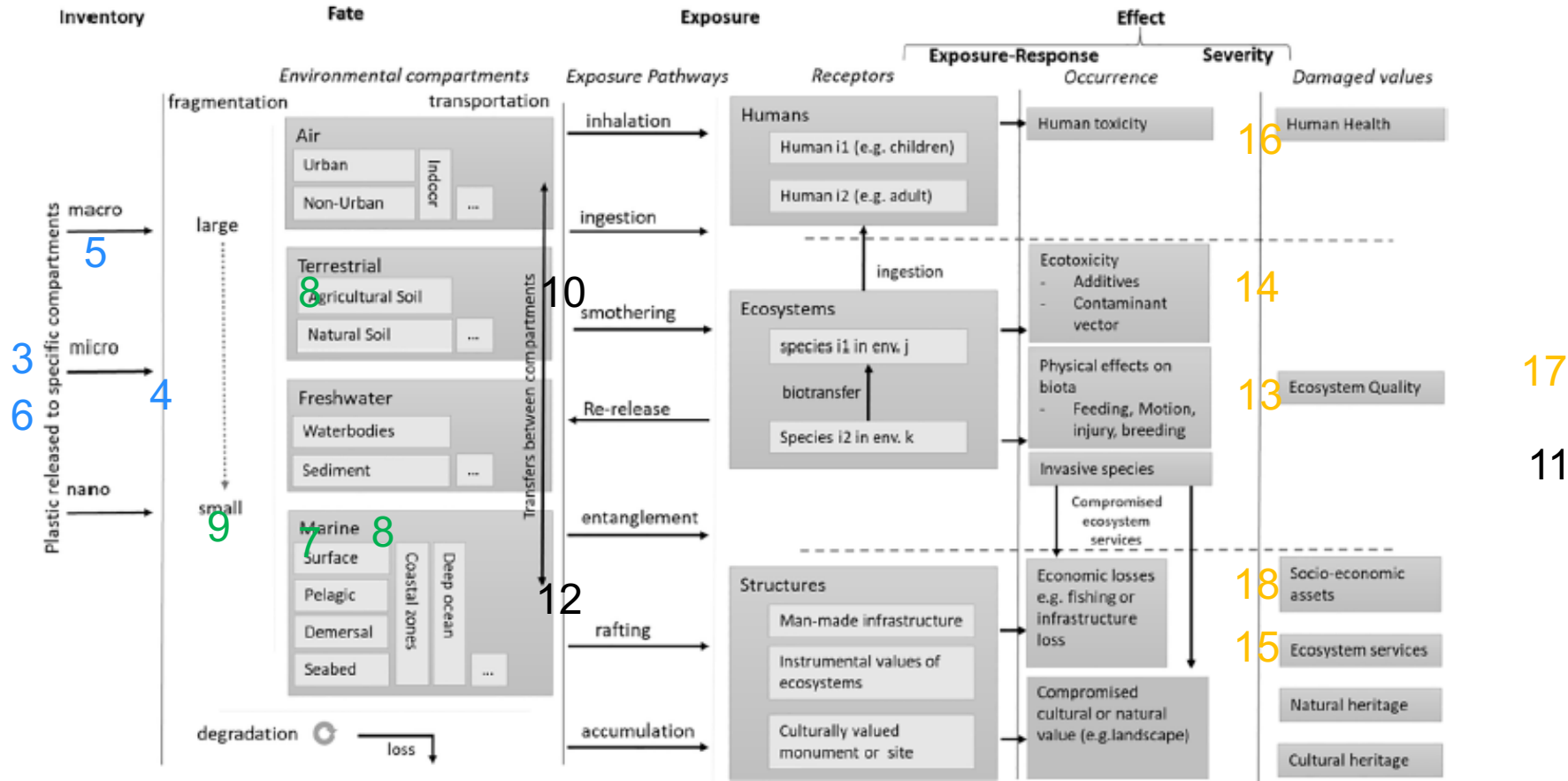




Woods et al. (2021)



Woods et al. (2021)



Woods et al. (2021)

# Questions?

