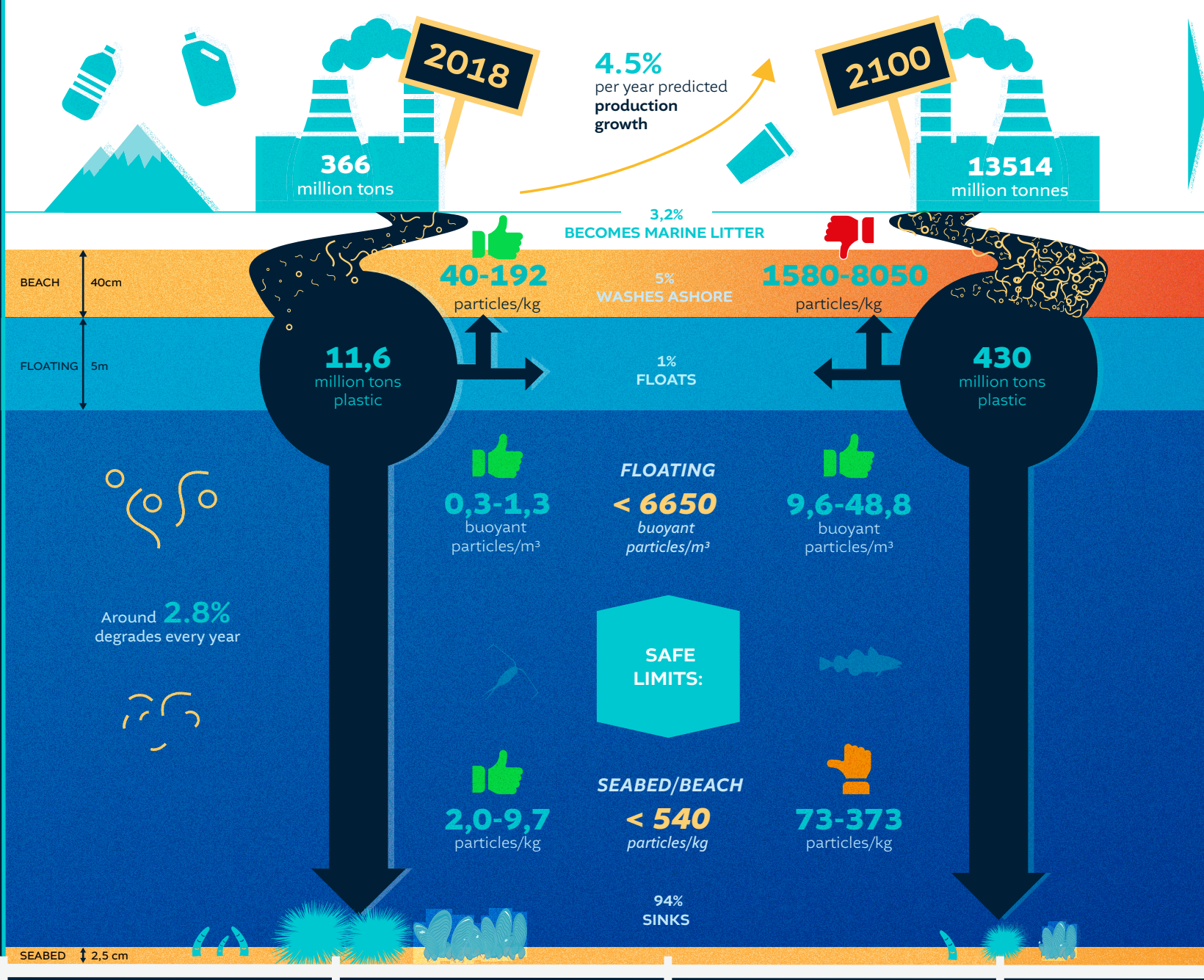


MARINE MICROPLASTICS: HOW MANY IS TOO MANY FOR OUR OCEAN?

Assessing current and future risks for our ocean

PRODUCTION
TRANSPORTATION
FRAGMENTATION



As **more plastic** is produced and ends up in the ocean, areas with **unsafe** levels of microplastics are likely to occur more often

CONCLUSIONS

Safe concentrations were calculated according to EU LEGISLATION:
 - 6650 buoyant particles/m³
 - 540 sedimented particles/kg

Floating microplastics are currently safe on average, but **some areas** e.g. coastal areas and narrow straits are already in the **danger zone**

Beaches will reach unsafe levels by **2040**, some areas are already above the safe concentration

ON AVERAGE GLOBAL MICRO-PLASTIC LEVELS ARE STILL IN THE SAFE ZONE

1950 Analyse previous microplastics levels 2000 Estimate current microplastics levels 2050 Predict levels in 2100 2100

Read more: Risk assessment of microplastics in the ocean: Modelling approach and first conclusions - <https://doi.org/10.1016/j.envpol.2018.07.069>

