



Global Plastics Outlook

*Economic Drivers, Environmental
Impacts and Policy Options*

28 March 2022

**APFSD Side Event - A One Health Approach on Microplastics in the Ocean:
Translating Advocacy into Action**

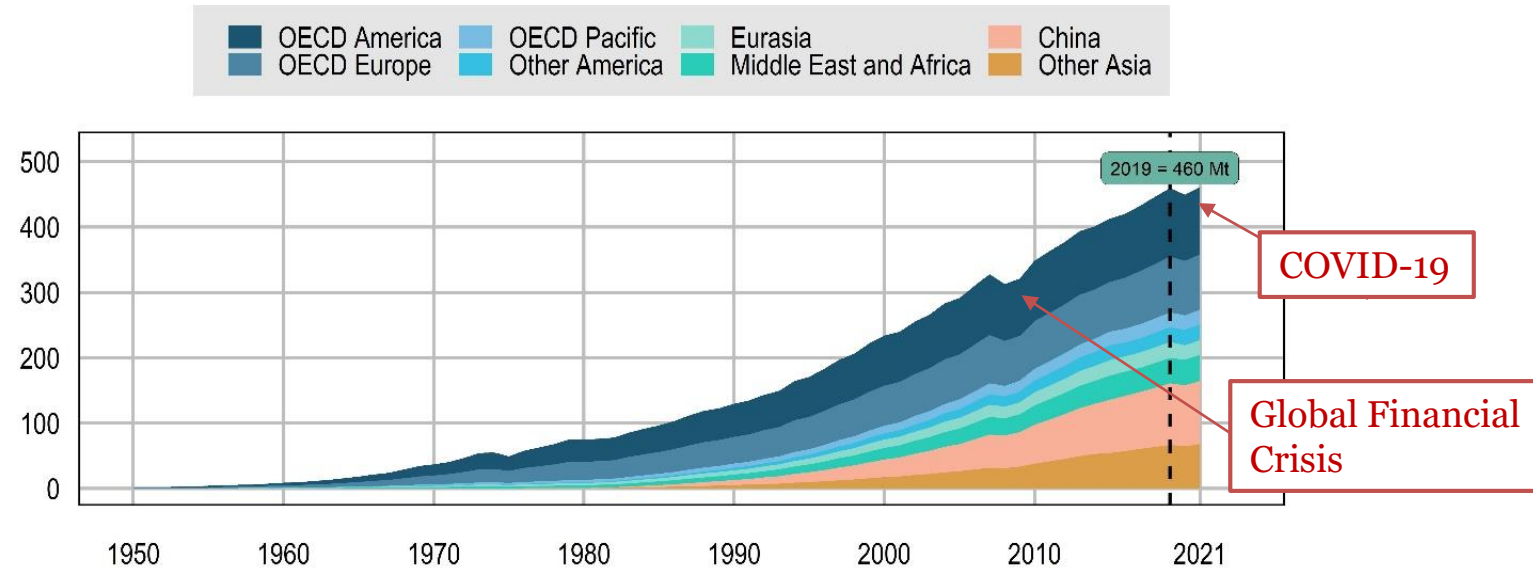
Shardul Agrawala

Head, Environment and Economy Integration (EEI) Division
Environment Directorate, OECD



Global use of plastics is growing steadily...

In million tonnes (Mt), 1950-2021



45 500



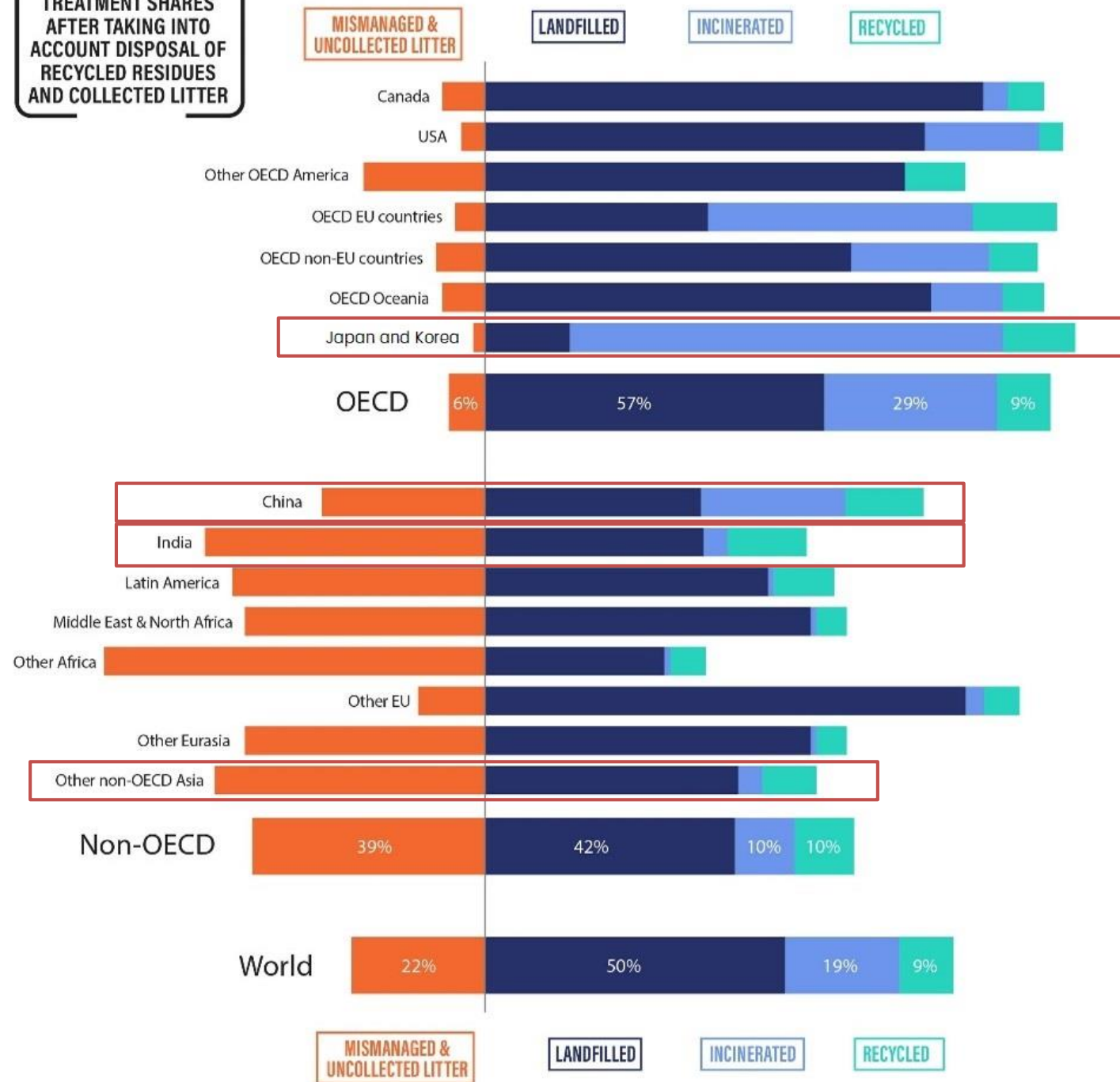
40%
quicker growth
than GDP in
2000-2019

1.8 Gt
GHG emissions
generated annually

156 kg
per capita /year in OECD
39 kg
per capita /year in non-OECD



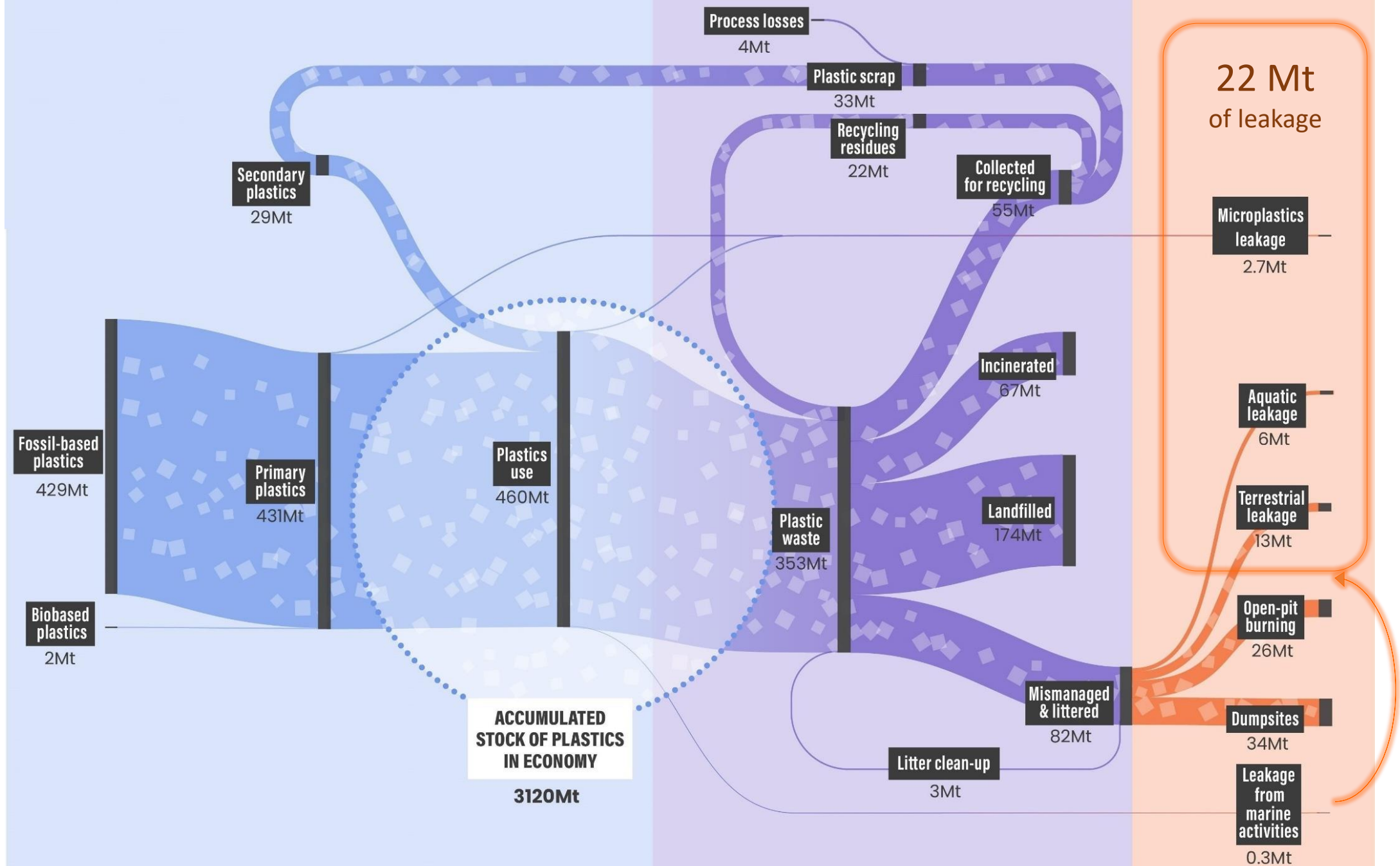
**TREATMENT SHARES
AFTER TAKING INTO
ACCOUNT DISPOSAL OF
RECYCLED RESIDUES
AND COLLECTED LITTER**



PLASTICS PRODUCTION & WASTE

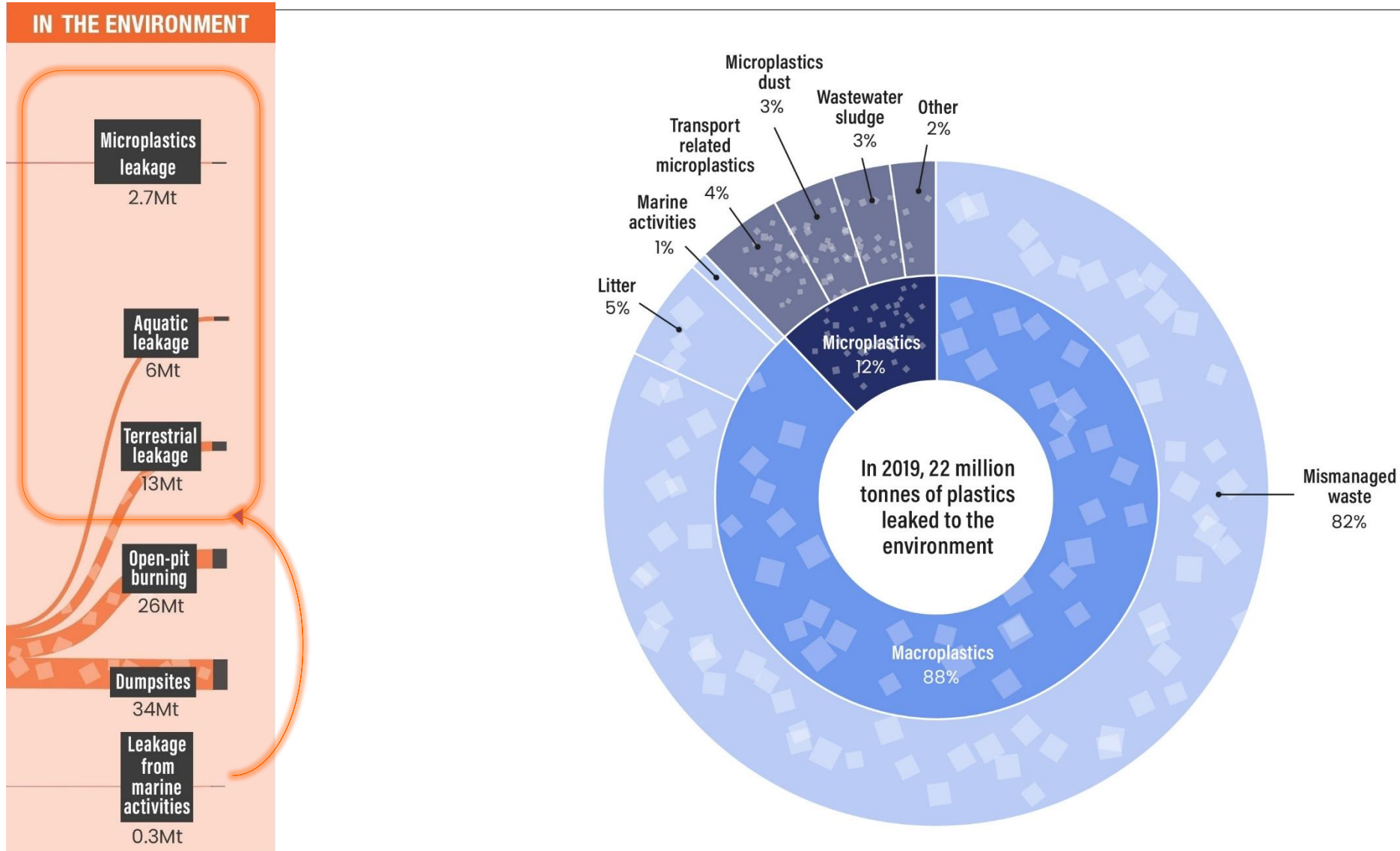
PLASTIC WASTE

IN THE ENVIRONMENT





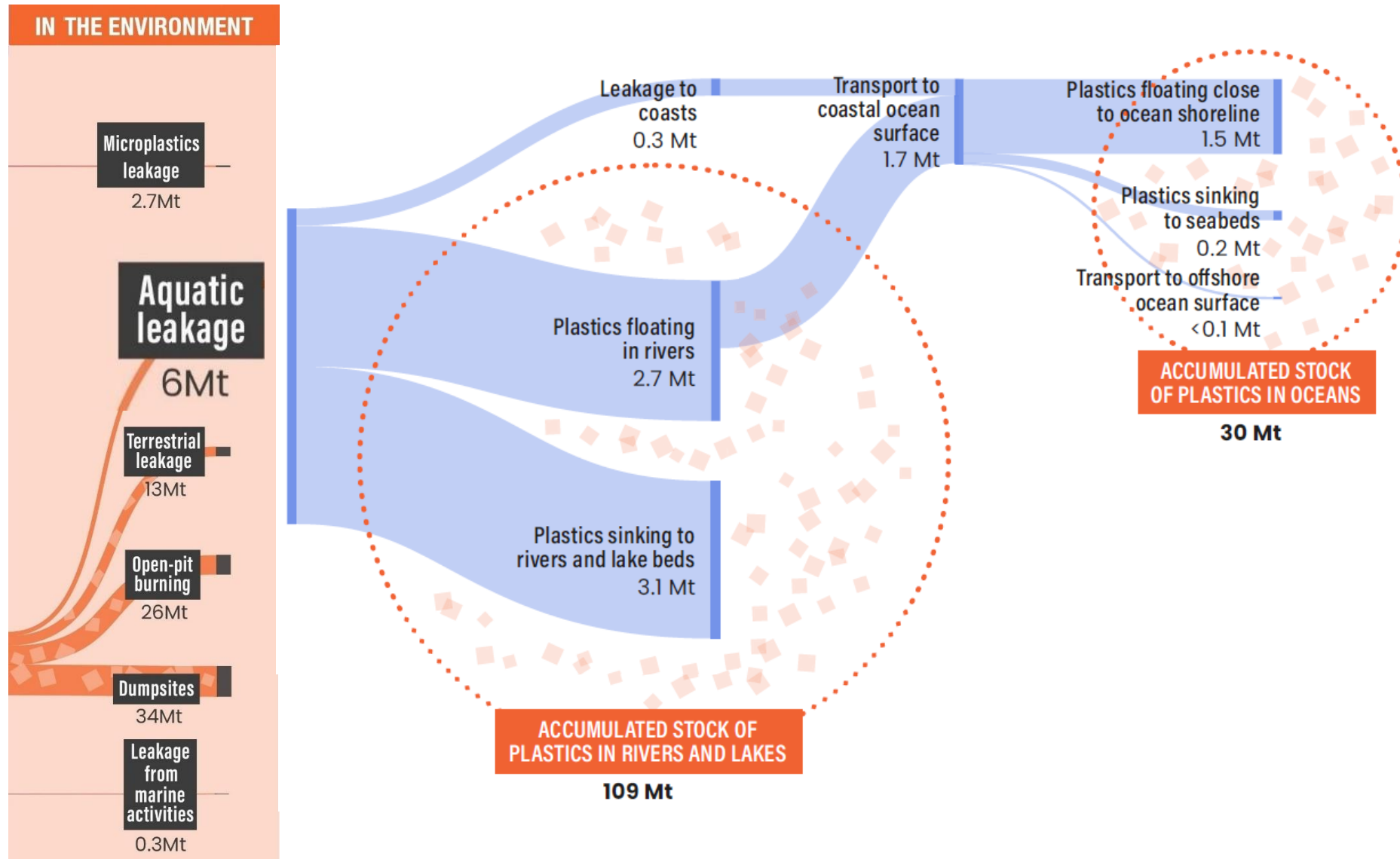
Global leakage of macro-and microplastics to the environment is estimated at 22 Mt



Asia contributes to **49%** of macroplastics leakage and **43%** of microplastics leakage



Rivers are a key pathway and sink for aquatic leakage





Key levers for intervention

All plastics

- Bolster markets for recycled plastics
- Boost innovation for more circular plastics
- Scale-up international financing and co-operation
- Increase ambition of domestic policies

Microplastics

- Strengthen the knowledge base to:
1) Better assess risks 2) Assess and compare mitigation interventions (e.g. product eco-design, use-oriented best practices and mitigation technologies, end-of-pipe solutions)
- Exploit co-benefits with other policy objectives (e.g. sustainable mobility)
- Consider additional policy measures for unintentional-released microplastics



Thank you

Find out more about our work at:
www.oecd.org/environment/plastics

