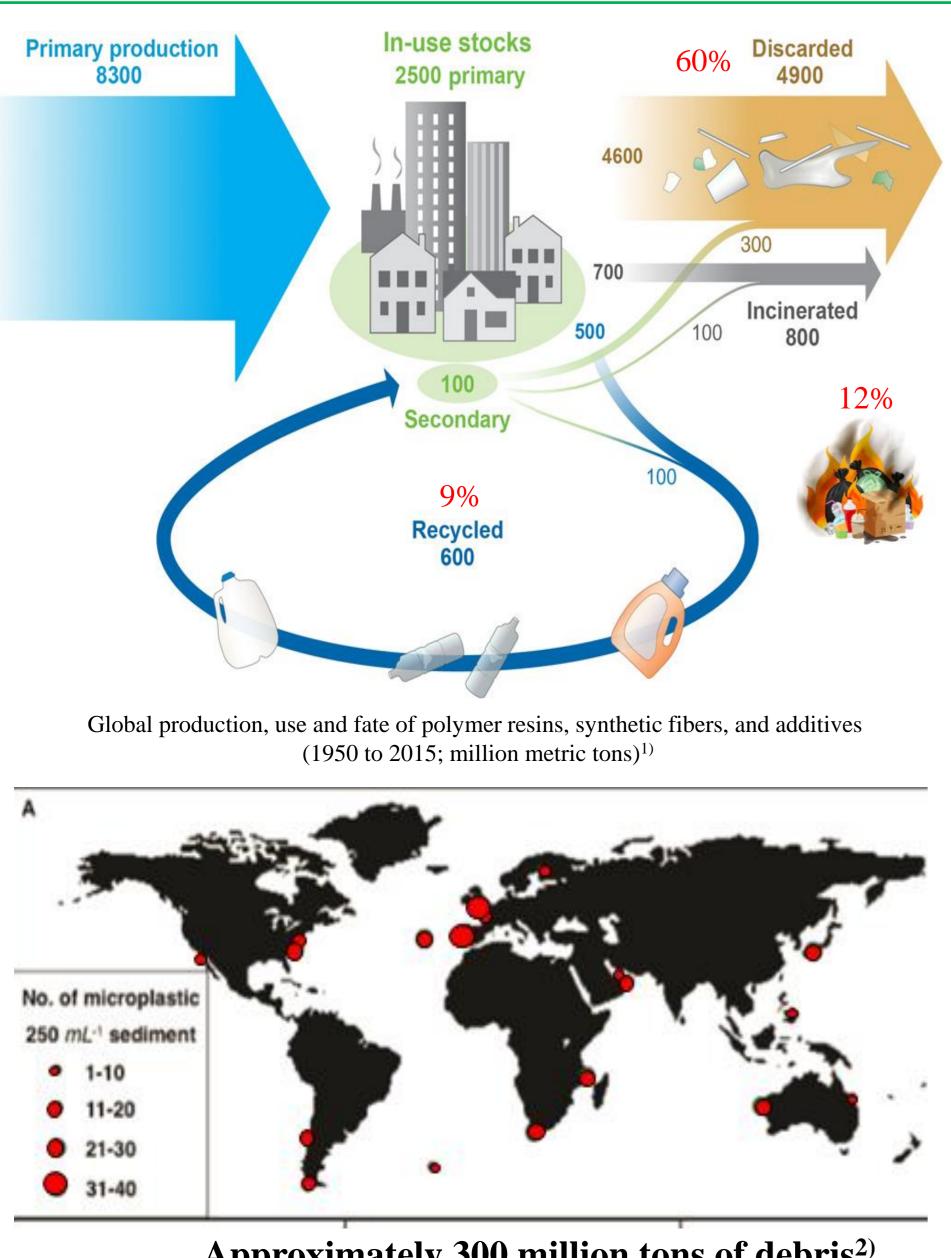
Occurrence and distribution of microplastics in road dust collected from Myanmar and Taiwan

Kumamoto University

Ei Ei MON 1,2, Haruhiko NAKATA1

¹Graduate School of Science and Technology, Kumamoto University, Kumamoto, Japan ²Department of Chemistry, Pathein University, Pathein, Myanmar

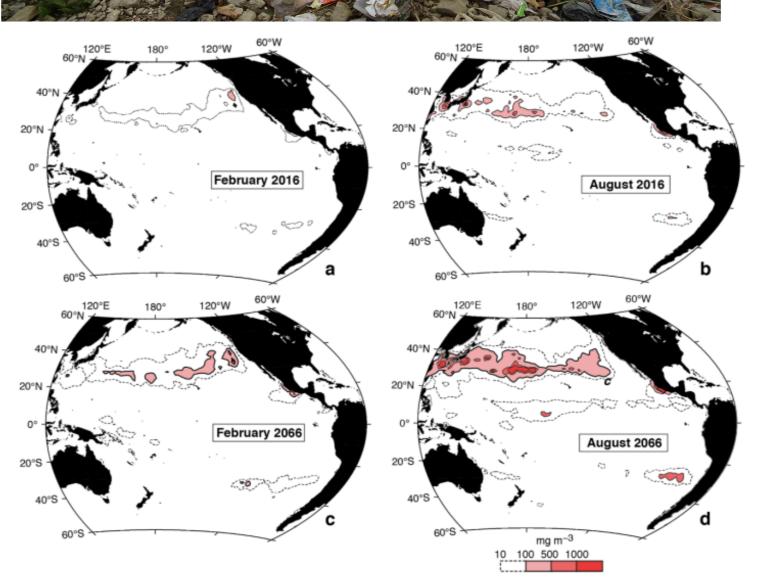




Background & Introduction Microplastic (MP) ❖Small pieces of plastic Ayeyarwaddy Hydrophobic property 1) Primary sources Personal care and cosmetic products

2) Secondary sources





Objectives

- Investigation occurrence on distribution of MPs in road dust from Myanmar and Taiwan
- *Identification of the ingredient chemical in microplastic (PVC) in road dust

Conclusions

- >Ubiquitous distribution of MP in road dusts from Myanmar and Taiwan
- >Phthalates were identified in microplastic (PVC) in road dust

