

## Summary

### **“Circular Economic Utilization of Plastics Waste – Challenges and Prospects in Asia-Pacific Region”**

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The unprecedented speed of urban industrial transformation coupled with enhanced use of plastic material has raised the level of plastic waste pollution. About 174 Mt of plastic was produced in Asia and the Pacific region since 2000<sup>i</sup>. The top 20 polluting rivers, mostly located in Asia, account for 67% of the global total<sup>ii</sup>. This presentation discusses the challenges and effects of plastic waste pollution. It shows the importance of the circular economy approach and identifies the circular economic utilization of plastic waste, new plastic economy. The presentation introduced a few recommendations and strategies by adding the benefit of the Driving Force-Pressure-State-Impact-Response (DPSIR) framework. It also discusses initiatives such as the 3R Declarations in Indore and Bangkok in 2018 and 2019, respectively.

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<sup>i</sup> UNCRD Report 2019, State of Plastics Waste in Asia and the Pacific- Issues, Challenges and Circular Economic Opportunities <http://www.uncrd.or.jp/index.php?page=view&nr=506&type=230&menu=214>

<sup>ii</sup> Laurent C.M. Lebreton et al., 2017. River plastic emissions to the world's oceans  
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