THE ADB CIRCULAR ECONOMY WORKING GROUP WEBINAR SERIES 2022

Cleaner Technology/ Pollution
Prevention/ Life Cycle
Assessment/ Eco-Design in
Process Industry/ Greenhouse
Gas/ Carbon and Water
Footprint/ Energy
Efficiency/Environmental Footprint





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INTRODUCTION OF CIRCULAR PLASTICS ECONOMY FOR POLICY MAKERS:

Module 3: Plastic Life Cycle, Value & Supply Chain, and Impact

25th August, Thursday 1300 – 1400H GMT +8 via Zoom Asst.Prof.Dr. Viganda Varabuntoonvit Chemical Engineering Department, Kasetsart University

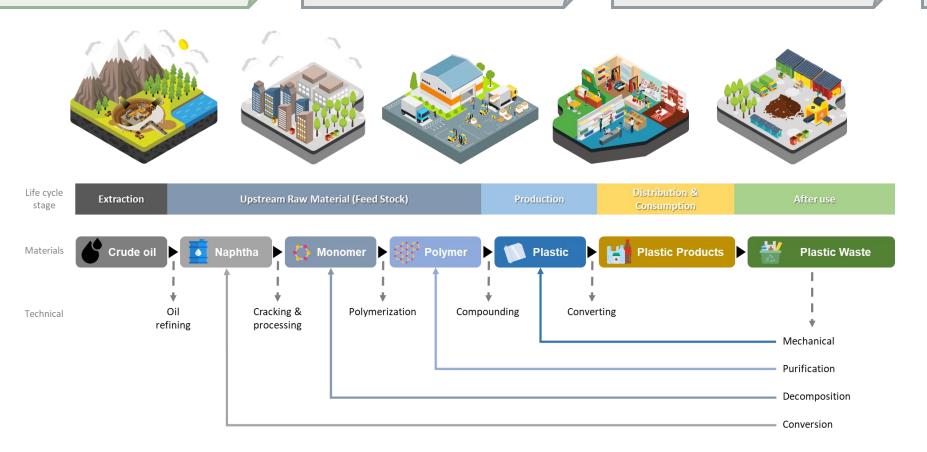


and Plastic Life Cycle (& Bio-Plastic)

Example of Supply
Chain Management for Plastic CE

Recycling Plastic (Mechanical and Chemical)

The Environmental Impact of Recycle Plastic Resin

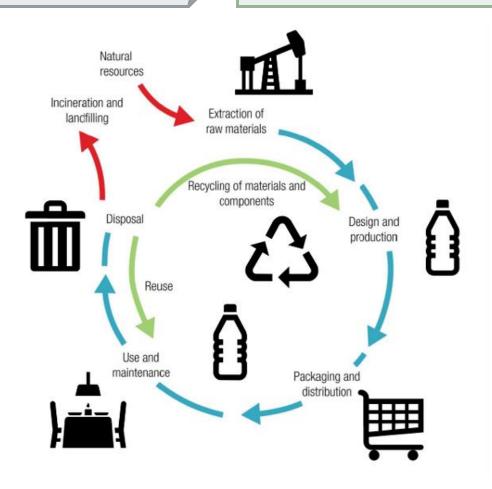


 How to produce plastic for both Conventional and Bio-Plastic and
Plastic Life Cycle
(& Bio-Plastic)

Example of Supply
Chain Management for
Plastic CE

Recycling Plastic (Mechanical and Chemical)

The Environmental Impact of Recycle Plastic Resin



- The Example of management through any life cycle stage of plastic
- The understanding of Plastic recycling technology and the stage of life cycle it going back
- Eco-design, Circular design
- Increase recycled content
- Reusable product
- Extend lifetime
- Choose Eco-products
- Disposal responsibly
- Recycling technology
- Upcycling product

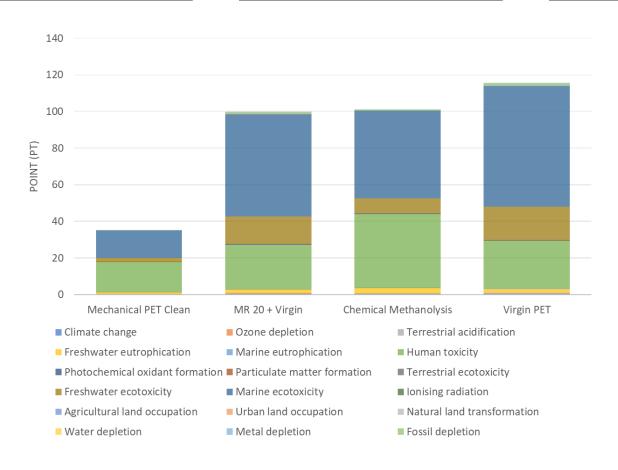


and
Plastic Life Cycle
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Example of Supply
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The Environmental Impact of Recycle Plastic Resin



- The Life Cycle Impact
 Assessment Results to
 compare the virgin plastic
 resin to mechanical and
 chemical recycling plastic
 resin
- The conclusion for policy recommendation from life cycle aspect



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Thank you!

