

Green Cities - Green Industries Conferences 2021- Thailand, Europe & ASEAN

"Eastern Economic Corridor - Future Business in Thailand and ASEAN 2021: Green Bio Waste & Circular Economy & Management"

"Managing Industrial Waste: Recycling and Upcycling as Value Chain"





As prosperity is rising, waste generation is rising too



Source: World Bank, Bloomberg, The Economist







"River plastic" and "ocean plastic"

- 10 rivers contribute an estimated 90% of the plastic flowing yearly in the oceans.
- All these rivers are in regions, where the waste volumes are estimated to rise by 2050 by et least 53%





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Source: "Export of Plastic Debris by Rivers into the Sea," by Christian Schmidt et al., in Environmental Science & Technology, Vol. 51, No. 21; November 7, 2017; Scientific american





Source: IHS, Eurostat, US EPA, World Economic Forum, Goldman Sachs Global Investment Research





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Source: World Bank





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Chemical recycling and it's potential



Advantages

- Increasing of recycling potential:
 - Solution for *hard to recycle* plastic types and *compounds*
- Production of high, virgin quality goods:
 - Plastics and
 - Fuels

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- Lower carbon footprint
- Reduces disposed waste quantities
- Complementary technology to mechanical recycling
- Easy to integrate in existing supply chains and material flows