



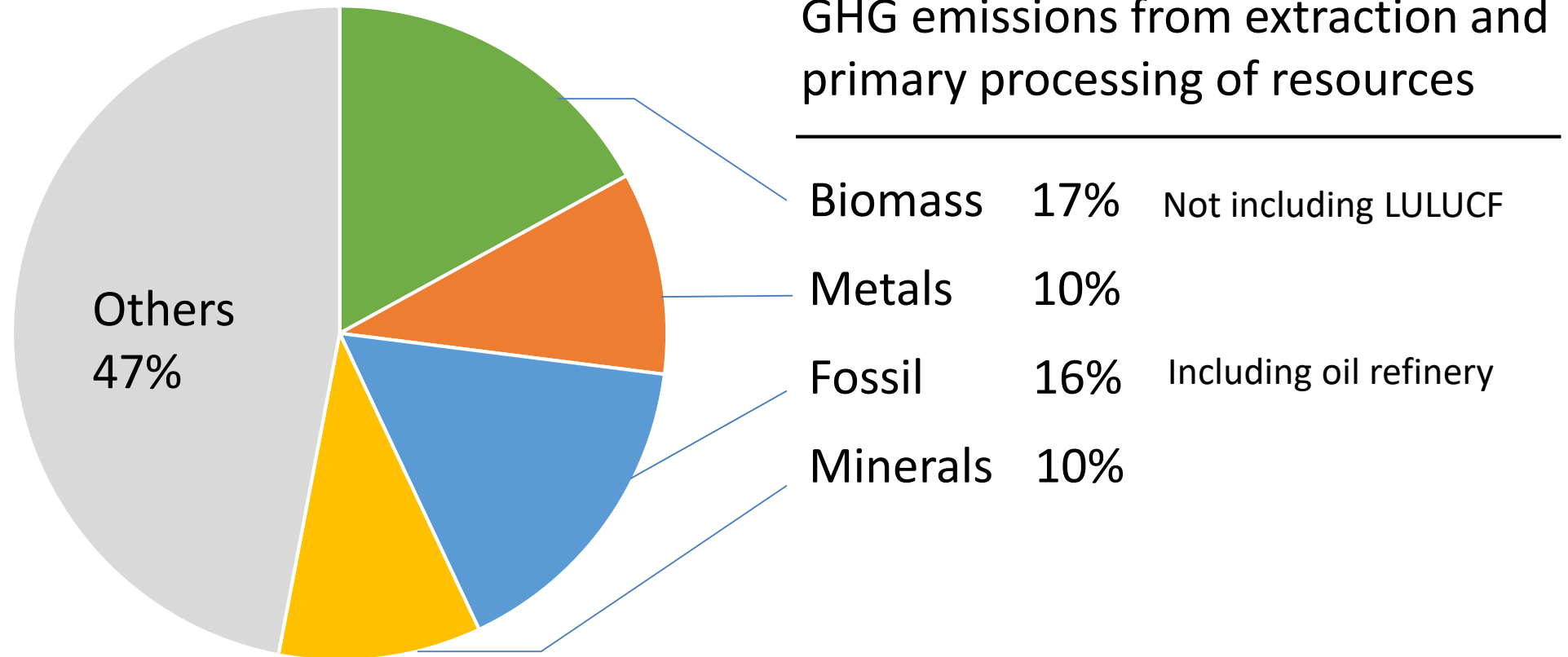
Tokyo's Plastic Strategy

Yasuo FURUSAWA

Chief Specialist for circular economy
Bureau of the Environment, TMG

Half of the GHG emissions comes from Resources

Ratio to the global GHG emissions



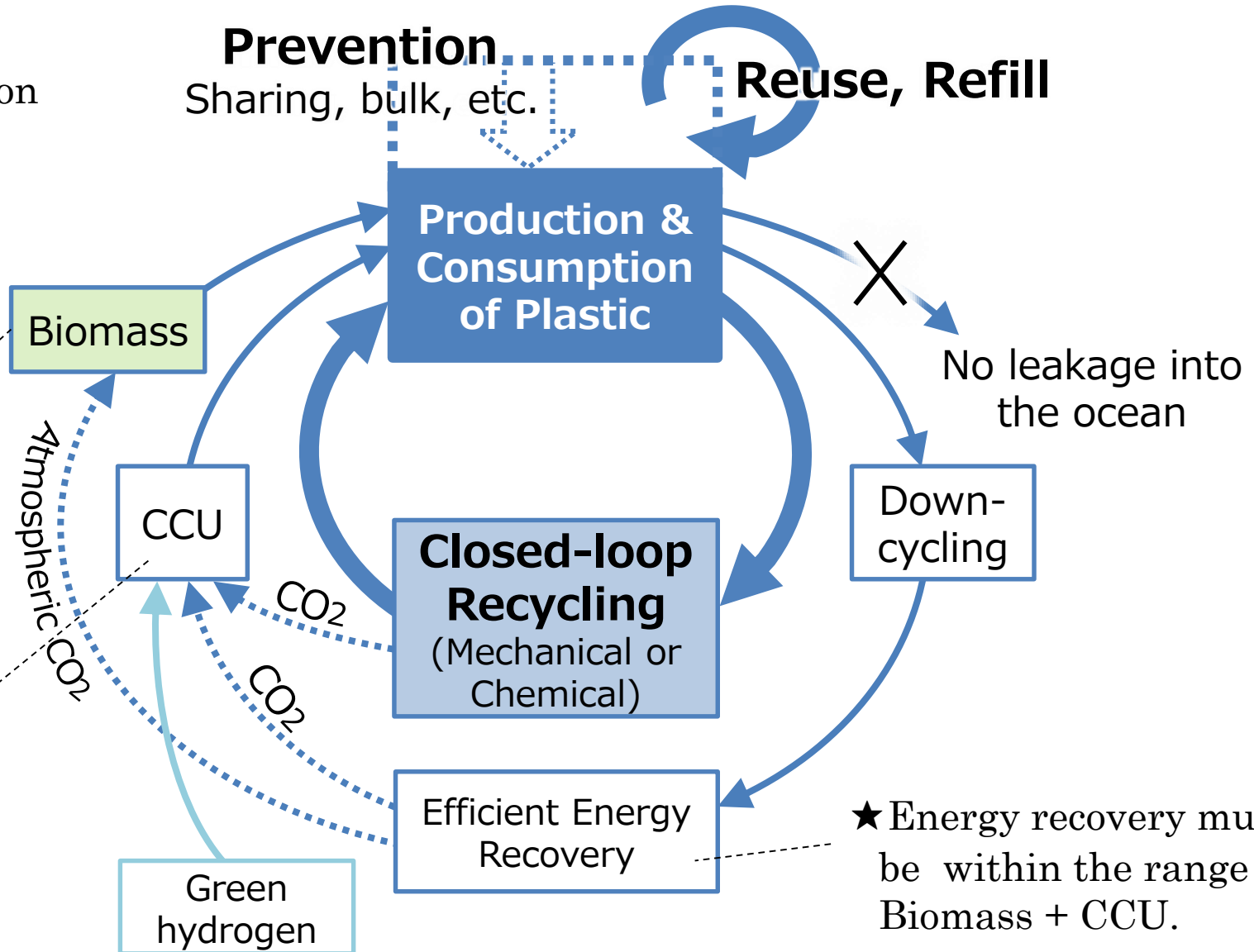
IRP (2019). *Global Resources Outlook 2019: Natural Resources for the Future We Want*

CCC: Carbon-closed Cycle

★ Energy for plastic production and recycling must be completely covered with renewable energy.

★ Biomass use with no land use change, and within the limit of the growth rate of plants

★ CCU within the range of the supply of CO₂-free hydrogen



★ Energy recovery must be within the range of Biomass + CCU.

Innovations we need

Innovation in business models:

- Rethinking the way we make, sell and buy, and use things
- Significant reduction of single-use plastics
- Shift to a reuse-based system

Innovation in recycling system:

- Easy-to-recycle product design
- Take-back scheme by retailers and manufacturers
- Recycling technologies including advanced sorting system, solvent-based extraction, depolymerization and other chemical recycling

Projects for Circular Innovations



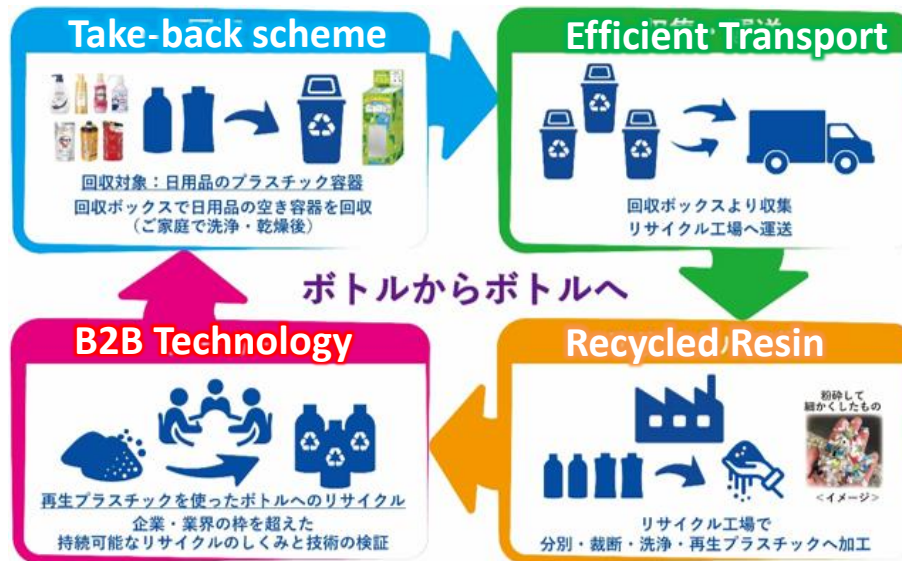
Loop

A global platform for reuse



Re&Go

Reusable cups for take-outs from cafés & CVSs including Starbucks and Lawson



Take-back and B2B recycling

- Take-back scheme of used plastic containers
- R&D for bottle-to-bottle recycling technology
- Collaboration between major brands (Kao, Unilever, P&G, Lion)

Circular Innovation Forum

Circular Innovation Forum 2021

A promotional banner for the Circular Innovation Forum 2021. The left side is a blue triangle containing text in English and Japanese. The right side features a dark background with glowing blue circular patterns and logos for the Tokyo Metropolitan Government and 'TIME TO ACT CLIMATE ACTION'.

Circular Innovation Forum 2021

Organized by Bureau of Environment,
Tokyo Metropolitan Government

Supported by
EU Delegation to Japan &
EU-Japan Centre for Industrial Cooperation

サーキュラー・イノベーション・フォーラム2021

主催 東京都環境局
協力 駐日欧州連合代表部、日欧産業協力センター

We will be commencing shortly.
Friday, November 26, 2021
4:50PM — 8:00PM (JST)



Governor of Tokyo



Vice-mayor of Amsterdam