

Designing and producing plastic products for circularity

National product design guidelines

UNEP - 26 September 2023 – Annabe Pretorius



forestry, fisheries
and the environment

Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

Plastics | SA

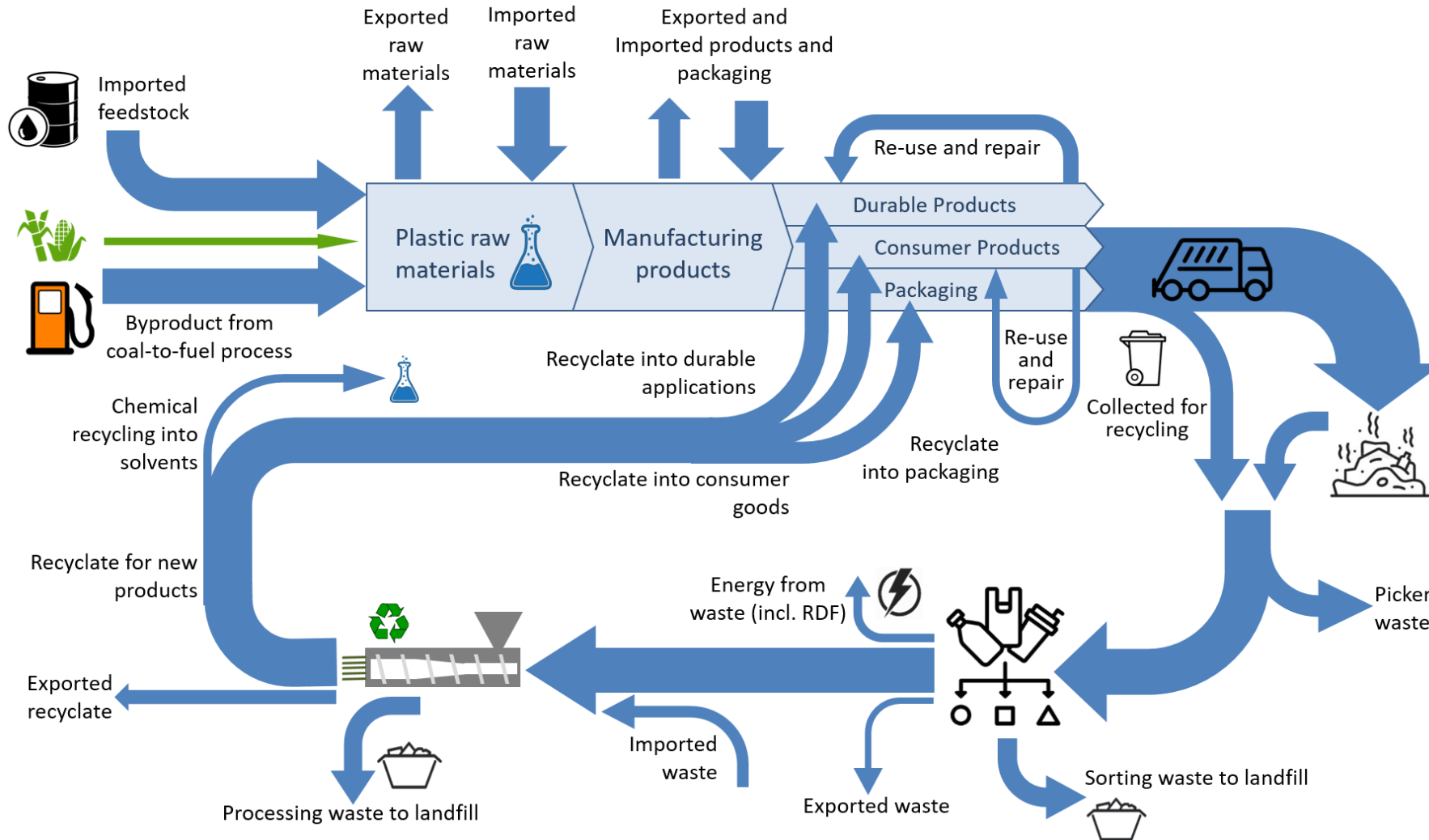
Circular economy for the plastics industry

Circularity means:

- using plastics (or any resource) more efficiently by keeping the material in use for as long as possible,
- getting the most we can from the material during its use, and then
- recovering / recycling it to make new products

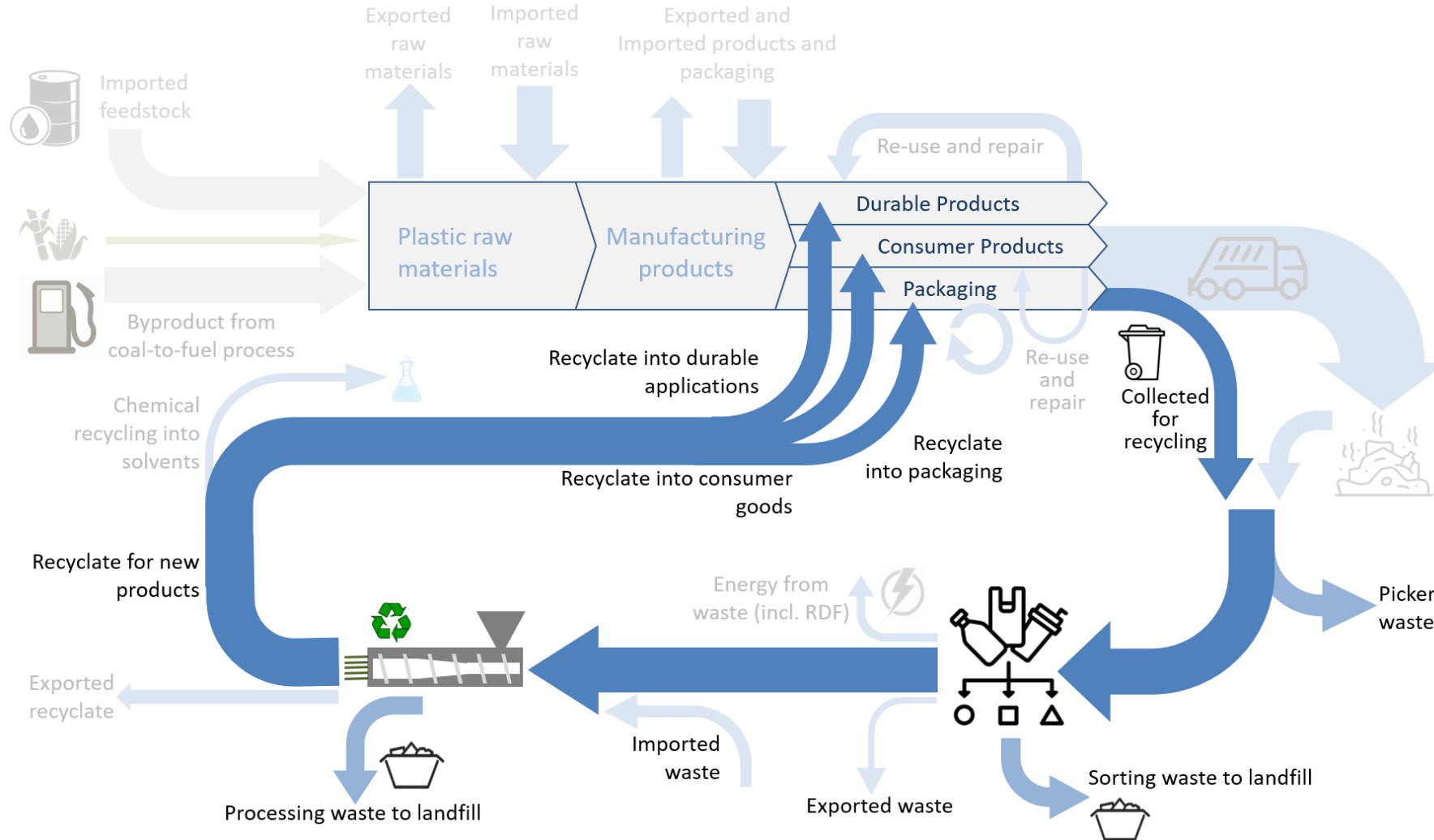


SA Plastics industry baseline - 2022





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National product design guidelines

- Packaging SA – Traffic light concept



- Product Responsibility Organisations



- Department of Forestry, Fisheries and the Environment



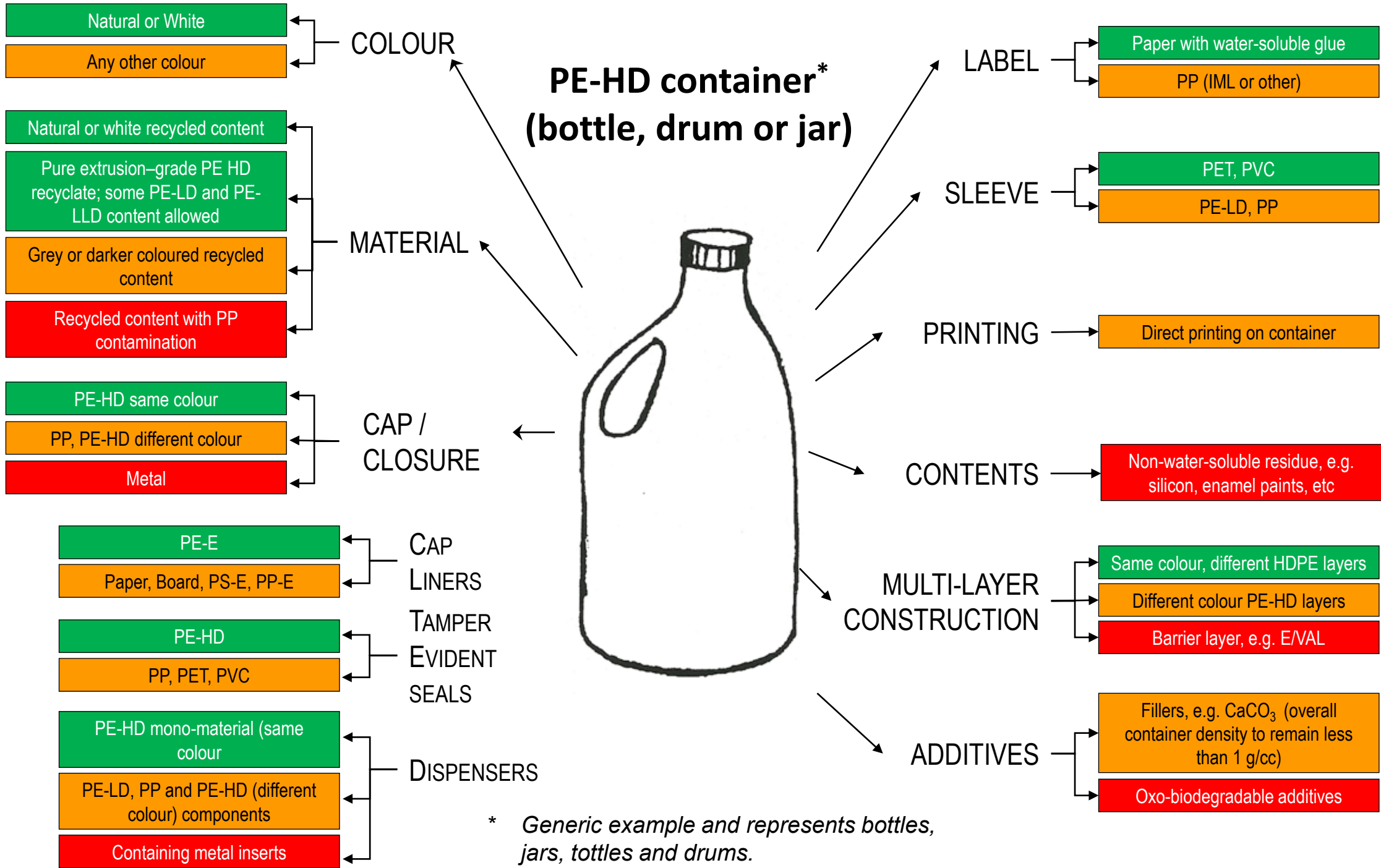
- South African Plastics Recycling Organisation



- Designed for Earth – App
- Platinum Design Principles – Award to brand owners for doing the right thing

Key:

Green = popular for recycling and will be widely collected and processed
Orange = widely recycled; less popular
Red = not recycled



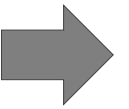
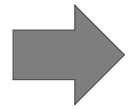
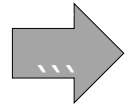
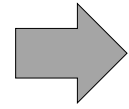
* Generic example and represents bottles, jars, tattles and drums.

BEST QUALITY

Blow moulded bottles, drums and jars



Colours



Less plastics leaking into the environment?



Less plastics leaking into the environment?





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