PLASTIC PACKAGING VALUE MAP

1 Sourcing

2 Manufacturing

3 Use

4 Recovery

PRODUCT DATA

LOGISTICS

SALES

PACKAGING STAGES

PLASTIC VALUE CHAIN

PRIMARY STAKEHOLDER

Feedstock origin, Feedstock properties, Sourcing data, Processing data

Plastic origin, Material properties, Added chemicals, Production data, Water consumption, Energy consumption

Added materials, Production data, Water consumption, Energy consumption, Material waste

Content data (origin, producer, footprint, ingridient, usedate, etc), Added materials, Production data, Water consumption, Energy consumption

Content data (origin, producer, footprint, ingridient, usedate, etc), Inventory data (storage, location, time, product condition etc)

Transport data, Storage data, Order data

Order insights, Purchase data, Demand forecast, Inventory status, Cost trends/ trajectory

Feedstock

Plastic Granulates Plastic Foil

Packaging Material

Final Packaging

Final Product

RAW MATERIAL

CHEMICAL PROCESSING

PACKAGING PRODUCTION

PRODUCT PACKAGING

RETAIL

Feedstock Supplier

Chemical Supplier

Chemical Processing Company

Ink & Additives Supplier

Packaging Material Supplier

Converter

Brand Owner

Retailer

Retailer

Whole Saler

CONSUMPTION

Packaging Waste

Consumer

Consumption data (purchase date, location, product condition etc), Disposal data (packaging component, seperation details etc)

Recycled Granulate Manufacturer

Recycler

Material Sorter

Independent Logistic Company

Dual System & Logistic Partner

Waste Picker

MATERIAL REPROCESSING

WASTE MANAGEMENT

Recycled Plastic Granulates

Packaging Fragments Plastic Particles

Reversed logistics

Process data, Recycled material properties, Granulate quality

Collected amount, Material Properties (mono vs. recycled), Material condition

Leakage

Incineration

Landfill

INDEED