# **Global Packaging Sustainability** Turning Necessity into Opportunity



#### **The Four Reuse Models**

Business-to-consumer reuse models differ in terms of packaging 'ownership' and the requirement for the user to leave home to refill/return the packaging.





packaging is picked up from home by a pickup service (e.g. by a logistics company)

**Refill on the go** users return the packaging at a store or drop-off point (e.g. in a deposit return machine or imailbox)

6 ways that these reuse models can bring significant benefits to both consumers and businesses:

- Cut costs by making compact products
- Meet individual needs through customization
- Optimise operations by sharing designs
- Build brand loyalty with deposit and reward schemes
- Improve customer experience with superior design
- Gather intelligence by using smart systems

Reuse – Rethinking Packaging -Ellen MacArthur Foundation – 2019

Converting 20% of all plastic packaging into reuse models represents a \$10 billion opportunity.

Percentage of shoppers claiming to have switched their regular food brands because of their attitude to packaging



Image: Green Alliance

#### Types of food packaging that people worry about



#### The New Plastics Economy: Rethinking the future of plastics (WEF)

CD cases, water station cups, plastic cutlery, imitation"crystal glassware", video cases

Forecast of Plastics Volume Growth, Externalities and Oli Consumption in a Business-As-Usual Scenario



Foamed polystyrene hot drink cups, hamburger take-away clamshells, foamed meat trays, protective packaging for fragile items

Water cooler bottles, fiexible films, multi-material packaging





The New Plastics Economy: Rethinking the future of plastics - World Economic Forum (WEF) - 2016



### Examples of Promising Enabling Technologies for the New Plastics Economy and Their Level of Maturity

	R&D	PILOT	SCALING	MATURE TECHNOLOGY
1. CREATING AN EFFECTIVE AFTER-USE	REVERSIBLE REMOVING ADHESIVES ADDITIVES	CHEMICAL MARKERS		NEAR INFRARED



The New Plastics Economy: Rethinking the future of plastics - World Economic Forum (WEF) - 2016

## **CONTACT US**

ET2C International Inc. E contact@et2cint.com T +86 (21) 5358 9600

#### in f **y D** www.et2c.com

ET2C International Inc.