







# **Agenda**

- ► Innovation is our heritage
- ► Environment research 2017
- ▶ Beverage carton innovations
- ▶ Beverage carton recycling









#### **Tetra Pak Global Business Model**

A single source supplier - three independent businesses



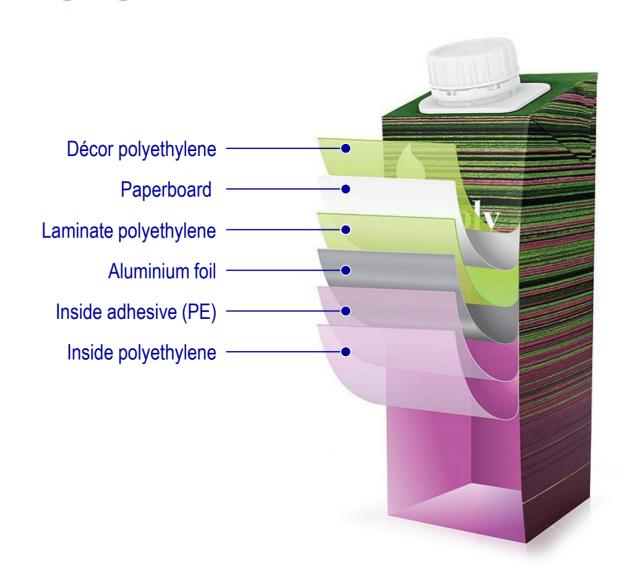








## **Aseptic Packaging Material**





## **Environment is a priority for Tetra Pak**

#### **Sustainable growth**











### **Tetra Pak Sustainability Approach**

#### Food-People-Futures > www.tetrapak.com/sustainability

#### **Protecting food**

Working with our customers and partners to make food safe and available everywhere through our innovative and market-leading food processing and packaging solutions.

#### Our commitment to the UN SDGs:







#### Top material aspects:

- Food availability
- · Customer health and safety
- Food waste



#### **Protecting people**

Safeguarding and enabling our people and supporting communities where we operate.

#### Our commitment to the UN SDGs:





#### Top material aspect:

· Occupational health and safety

#### **Protecting futures**

Supporting the sustainable future of our planet and the long-term success of our customers.

#### Our commitment to the UN SDGs:















#### Top material aspects:

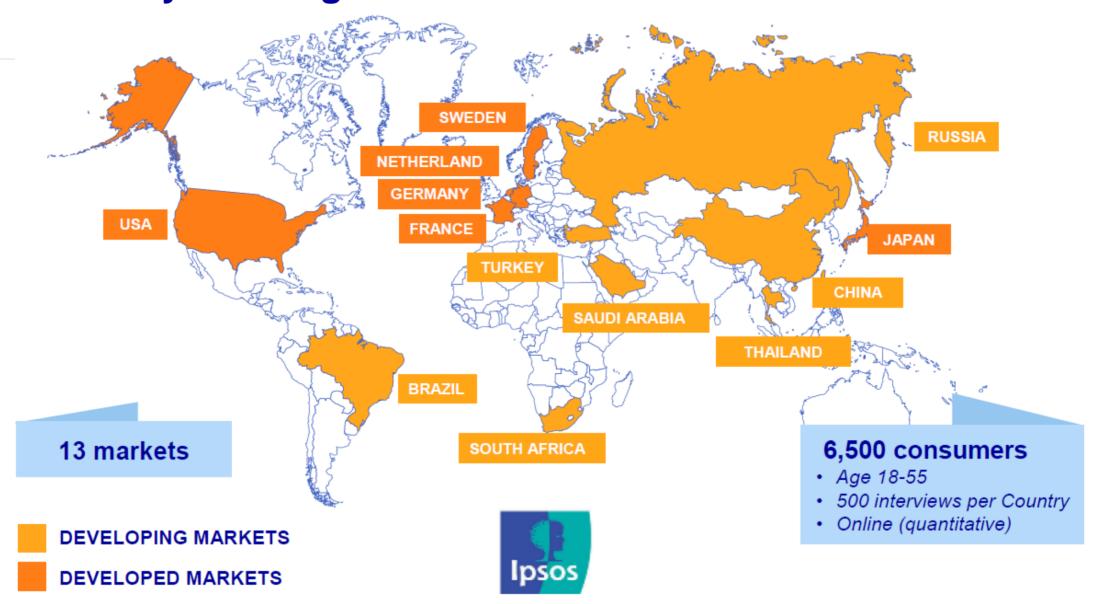
- Supplier environmental assessment
- Supplier water use

- · Packaging design and resource use
- Packaging renewability
- Energy use and GHG emissions
- Machines and equipment: waste generation
- Machine and equipment: energy use and GHG emissions
- Machines and equipment: water use
- Packaging recycling
- · Packaging climate impact





### **Country Coverage**





### Research objectives



- ► Provide inputs to **Strategy & Product Development** 
  - Inputs used for review of <u>Environmental strategy</u> and Environmental <u>Innovations roadmap</u>
- Serve commercial and communications purposes
  - Identify market opportunities and threats in relation to environmental issues
  - Share insights and engage <u>customers</u> (and commercial teams) on environmental initiatives
  - Secure solid deck on environmental position for external communications



### **Key insights 2017**



85%

# OF CONSUMERS BELIEVE THAT THE FOCUS ON ENVIRONMENTAL ISSUES WILL INCREASE IN THE NEXT 5 YEARS

- Recycling and food waste reduction are the top performed environmental actions
- Emotional drivers and personal benefits influence purchase of environmentally sound products

42%

#### **CONSUMERS LOOK FOR LOGOS WHEN SHOPPING BEVERAGES**

• On-pack is the preferred channel to get environmental information about packaging

43%

# OF CONSUMERS SAY THAT AN ENVIRONMENTALLY SOUND PACKAGING MAKE THEM MUCH MORE LIKELY TO CONSIDER THE BRAND

And half of them say that it makes the brand worth more than it cost



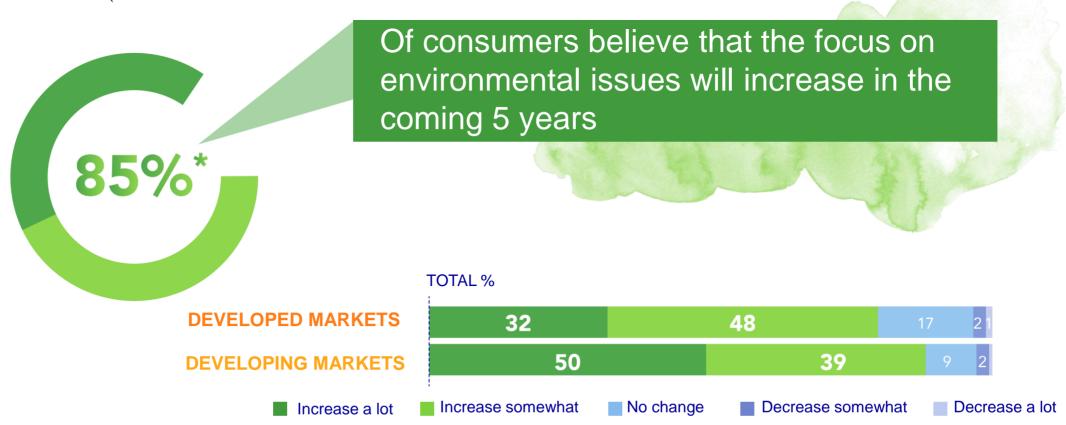


### **Environment is top of mind for consumers**

Expected to be an even more relevant topic in the future



How much do you think the focus on environmental issues (e.g. climate change, environmental pollution) will increase/decrease in the coming five years? (Prompted, Single choice)



Base: Consumers (n=6543)

\*Top 2 boxes (Increase a lot + Increase somewhat)





### Recycling confirmed as the most frequent activity

#### Food waste reduction is the top activity in developing countries



Below is a list of activities. Thinking about the past year, please indicate which of the following actions you have actually done or considered doing, or have not considered doing, using the below ranking: (Prompted, single per row)

ENVIRONMENTAL ACTIVITIES - TOP BOX (% FREQUENT	LY DONE)		DEVELOPED	DEVELOPING
Sorted and set aside waste for recycling	<b>2017</b> 2015	<b>52</b>	70%	36%
Reduced the amount of food/beverage wasted by me/my family	2017	43	45%	41%
Purchased a product with an environmentally sound packaging	<b>2017 23</b> 24		15%	29%
Considered environmental aspects when purchasing things	<b>2017 20</b> 2015 18		15%	25%
Avoided a particular product or brand for environmental reasons	2017 18 12 14		16%	21%
Avoided a beverage in a plastic container for environmental reasons	<b>2017 16</b> 2015 13		10%	21%
Purchased an environmentally sound product, even if it costs more	2017 15 2015 16		12%	18%
Avoided a beverage in a carton container for environmental reasons	2017 11 2015 7		7%	15%
			. Comment of the Programme of the Progra	

Base: Consumers (n=6543)





# 'Environmentally sound product' shows different nuances'

#### Increased associations with 'natural' compared to the past



When you think about an environmentally sound product, which is the first thing that comes to your mind? (Prompted, Single choice, top 6 answers)

DEFINITION OF ENVIRONMENTALLY S	OUND PRODUCT - % MENTIONS	DEVELOPED	DEVELOPING
Products that can be recycled	2017 19	21%	18%
Biodegradable products	2017 2015 12	11%	17%
Organic products	<b>2017 13</b> 2015 13	13%	14%
Products grown without pesticides, preservatives	2017 13 2015 11	11%	15%
Products made with recycled materials	2017 10 2015 12	11%	9%
Products made with material from renewable resources	<b>2017 9</b> 2015 10	9%	9%
Base: Consumers (n=6543)	95% Significance towards 2015	Noteworthy difference de	veloped - developing





## Emotional drivers influence purchase of green products

Personal benefits are very relevant especially in developing countries



Why do you buy / would you buy environmentally sound products? (Prompted, Multiple choice)

#### DRIVERS TO PURCHASE ENVIRONMENTALLY SOUND PRODUCTS

	% MENTIONS			DEVELOPED	DEVELOPING	
	To preserve the environment for future generations	2017	58	EE0/	600/	
		2015 51		55%	60%	
/	To do something helpful for the community	2017	37	35%	39%	
	To do something helpful for the community	2015	32			
	Because it fits with my lifestyle (e.g. organic,	2017	35	28%	40%	
	local, natural, free-from, etc)	2015	28	2076	40 76	
	Because of additional benefits compared to standard	2017	34	24%	44%	
	products (e.g. health benefits)			2470	<del>- 11</del> 70	
	Because of higher quality than standard products	2017	23	18%	28%	
Deca	ause of higher quality than standard products	2015	12		2070	

Base: Consumers (n=6543)



Noteworthy difference developed - developing





## The importance of environmental logos is increasing

42% consumers look for them when shopping for beverages



Consumers: When you shop for beverages, do you typically look for environmental logos on the products you buy? (Prompted, Single choice)

#### **ATTENTION TO ENVIRONMENTAL LOGOS DURING SHOPPING - % MENTIONS**

	ALWAYS + OFTEN	SOMETIMES	NEVER
TOTAL	42 👚	39	19
DEVELOPED	31 👚	40	30
DEVELOPING	52	38	10
TUDICEV	67 🍙		31 3
TURKEY			
THAILAND	66		31 3
CHINA	57 📮		39 4
BRAZIL	47		43 10
SAUDI ARABIA	47	39	14
SOUTH AFRICA	45 📮	34	21
USA	45 🁚	50	20 13
RUSSIA	37	50	13
GERMANY	35	48	17
FRANCE	34	40	26
SWEDEN	29	45	27
NETHERLANDS	21	43	26 27 37 52
JAPAN	20	28	52
	Base: Influences (n=6543)	95% Significance toward	ls 2015





## The package itself is the preferred source of information

#### To get environmental facts about packaging

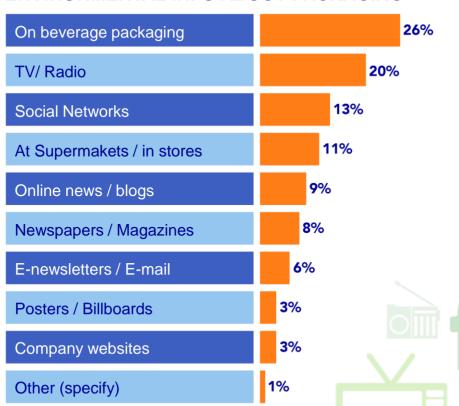


Base: Consumers (n=6543)

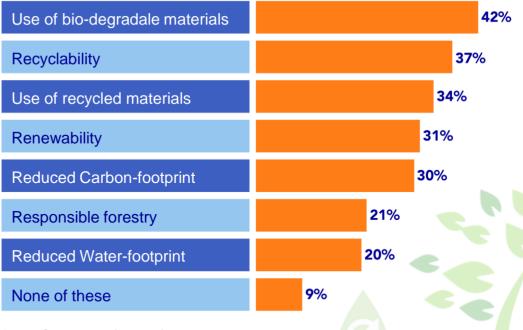
Through which of the following communication channels would you prefer to get environmental information about beverage packaging? (Prompted, Single choice)

#### Which of the following topics would you like to read/ learn more about? (Prompted, Multiple choice)

## PREFERRED CHANNEL TO GET ENVIRONMENTAL INFO ABOUT PACKAGING



#### **TOPICS TO READ / LEARN MORE ABOUT**



Base: Consumers (n=6543)





Teera Tetra Pak, Aug 8, 2018 / 18

### Sustainable packaging drives consumers' preference

20% of consumers also recognize higher brand value



If you were about to choose a beverage brand, how would an environmentally sound packaging affect your consideration of the brand? (Prompted, Single choice)

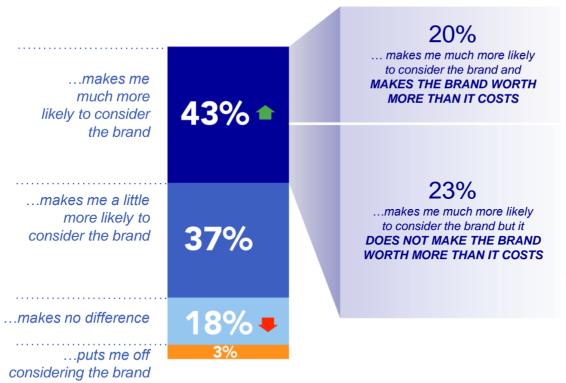
IMPACT OF ENVIRONMENT ON BRAND VALUE

How would an environmentally sound packaging change your

opinion about the value of this brand? (Prompted, Single choice)

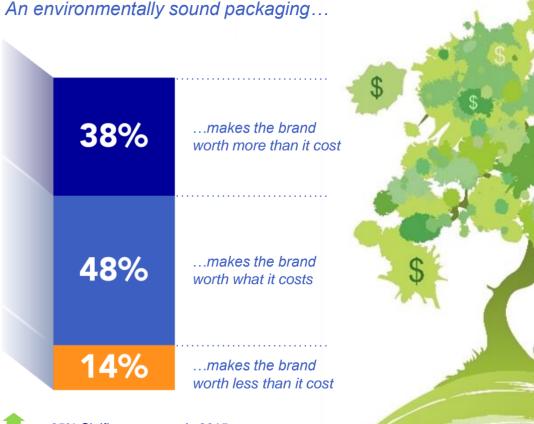
#### IMPACT OF ENVIRONMENT ON BRAND CONSIDERATION

An environmentally sound packaging...



Base: Consumers (n=6543)

95% Sigificance towards 2015







### Environmental logos add trust and appeal to the brand

### Considered increasingly clear and useful



Next are some statements about environmental logos. Please indicate how much you agree or disagree with each statement, using a scale of 1 to 5, where 1 means you 'not at all agree' and 5 means you 'strongly agree'. (Prompted, Single per row)

#### **AGREEMENT ON STATEMENTS ABOUT ENVIRONMENTAL LOGOS - % MENTIONS** TOP2BOXES (STRONGLY AGREE + SLIGHTLY AGREE) **DEVELOPED DEVELOPING** 57 2017 Environmental logos make 47% 67% the brand more trustworthy \*new statement 2017 2017 55 Environmental logos are useful in helping me understand 44% 64% the environmental impact of the package 2017 49 Environmental logos make the beverage 38% 58% product more appealing 2017 44 Information shown on environmental logos 35% 52% are believable 2017 41 Environmental logos are clear 32% 49% and easy to understand 95% Significance towards 2015 Noteworthy difference developed - developing Base: Consumers (n=6543)

# **Beverage Carton Innovations**







# The world's first aseptic carton package certified for its use of materials from renewable sources

with the highest class available







Highest class certification by Vinçotte



Using polymers derived from sugar cane on cap

- Wood fibres used for paperboard
- Polymers derived from sugar cane used for
  - Cap (High-density polyethylene, HDPE)
  - Coating (Low-density polyethylene, LDPE)
- ► This means up to 17% reduction in the carbon foot print according to the life cycle analysis (LCA) study\*
- Uses the same production process recycling is possible in the same stream with other packages

Using polymers derived from sugar cane on coating



## **Renewable Content Comparison**

#### **Material from Renewable Sources**

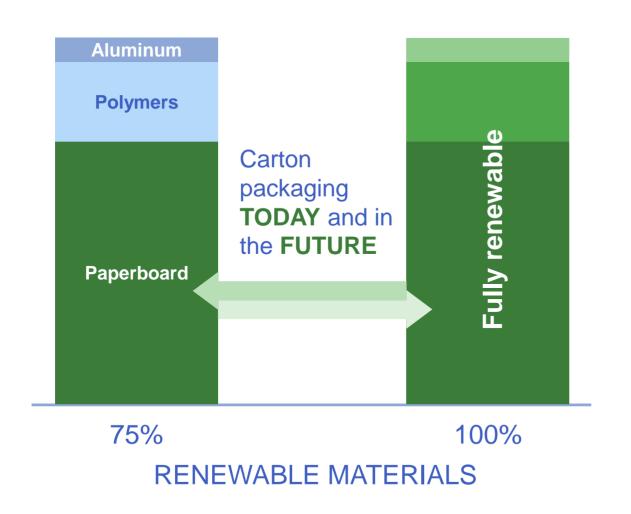
Tetra Brik Aseptic 1000 Edge LightCap 30	Materials from renewable sources	
Standard packaging material and opening	69%	
With standard packaging material and Bio-based LightCap 30	74%	
With bio-based LightCap 30 and bio-based polymers in the packaging material decor and lamination layers	82%	





### Our aim is to offer a 100% renewable, aseptic package

We will increase the use of renewable materials in our packaging





#### Key elements:

- Increase paperboard content
- Use bio-based polymers
- Develop renewable barrier materials



### **Separable Top**

Available for all Tetra Top packages



A perforation below the top makes it easy to separate the sleeve

Creasing
In plastic top for TT Micro,
TT Mini Saroma,
TT Midi Huron/Bajkal









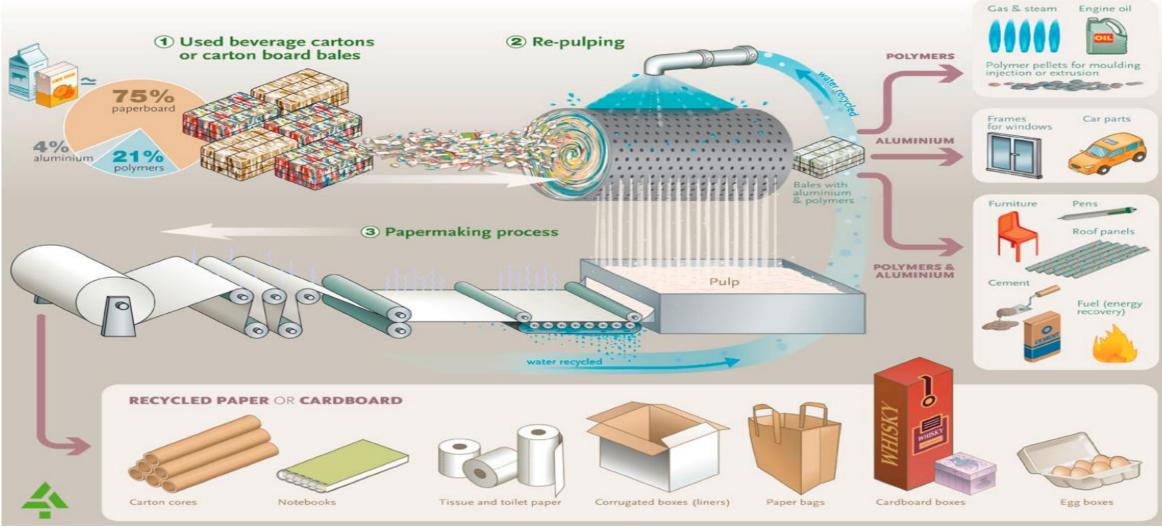
## **Accelerate Used Beverage Carton Recycling**





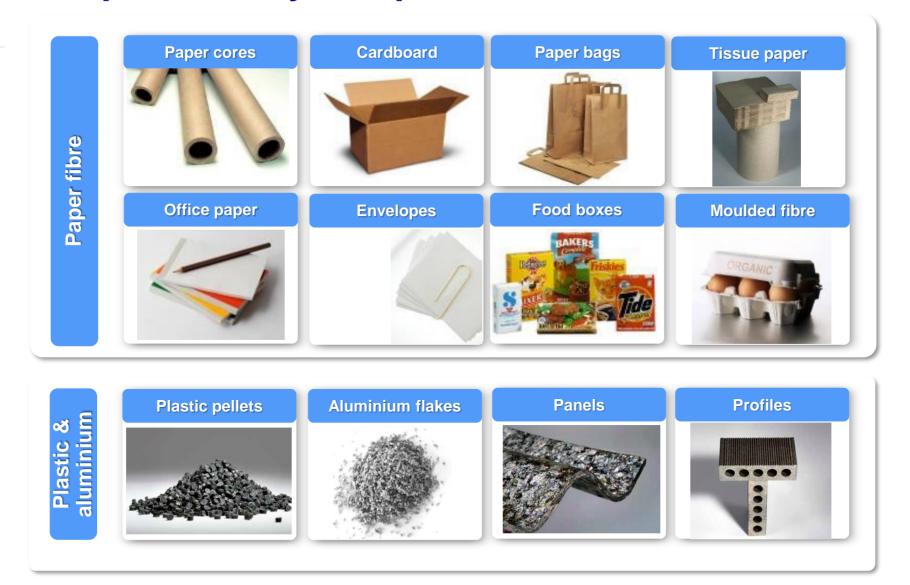
# Recycling of used beverage cartons Explained with pictures







# **Examples of recycled products**





# Thank you!

