

Tetra Pak and Environment: Sustainable by Nature

Gloyta Nathalang

Communications Director
Tetra Pak (Thailand) Limited
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Tetra Pak (Thailand) Ltd.



Food Processing & Packaging Systems



PROTECTS WHAT'S GOOD™

Tetra Pak's commitment to food safety & sustainability



We believe in responsible industry leadership and a sustainable approach to business.

Our motto, “PROTECTS WHAT’S GOOD™” reflects our vision to make food safe and available, everywhere.



FOOD SAFETY

Delivering processing and packaging solutions with food safety as our foundation



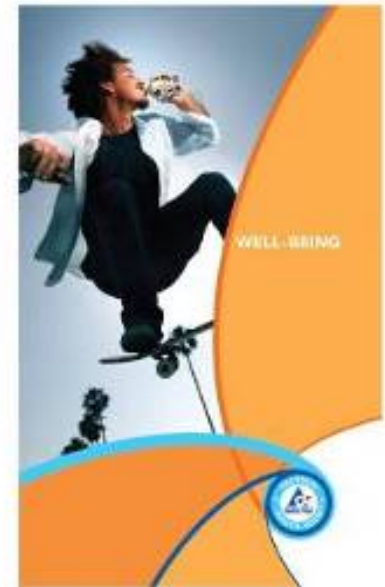
CUSTOMER

Driving low costs and wide choice for our customers to deliver convenience to consumers



ENVIRONMENT

Sustainable by nature through our use of renewable resources, minimum carbon footprint, recycling and resource management



WELL-BEING

Supporting our employees and contributing to society by providing opportunities through our global presence

Our Commitment

Toward Environmental Sustainability

“We believe in responsible industry leadership, creating profitable growth in harmony with environmental sustainability and good Corporate Citizenship.”



Our guiding principle since 1951

A package should save more than it costs



The recipe to make environment friendly packaging material is to minimise the use of natural resources and impact on environment

Tetra Pak's Environment Position

Four pillars driving focus and competitiveness



Tetra Pak and the Environment

Renewing - a raw material sourcing perspective



Sustainable sourcing is key

Increase certified wood fibres for our cartons

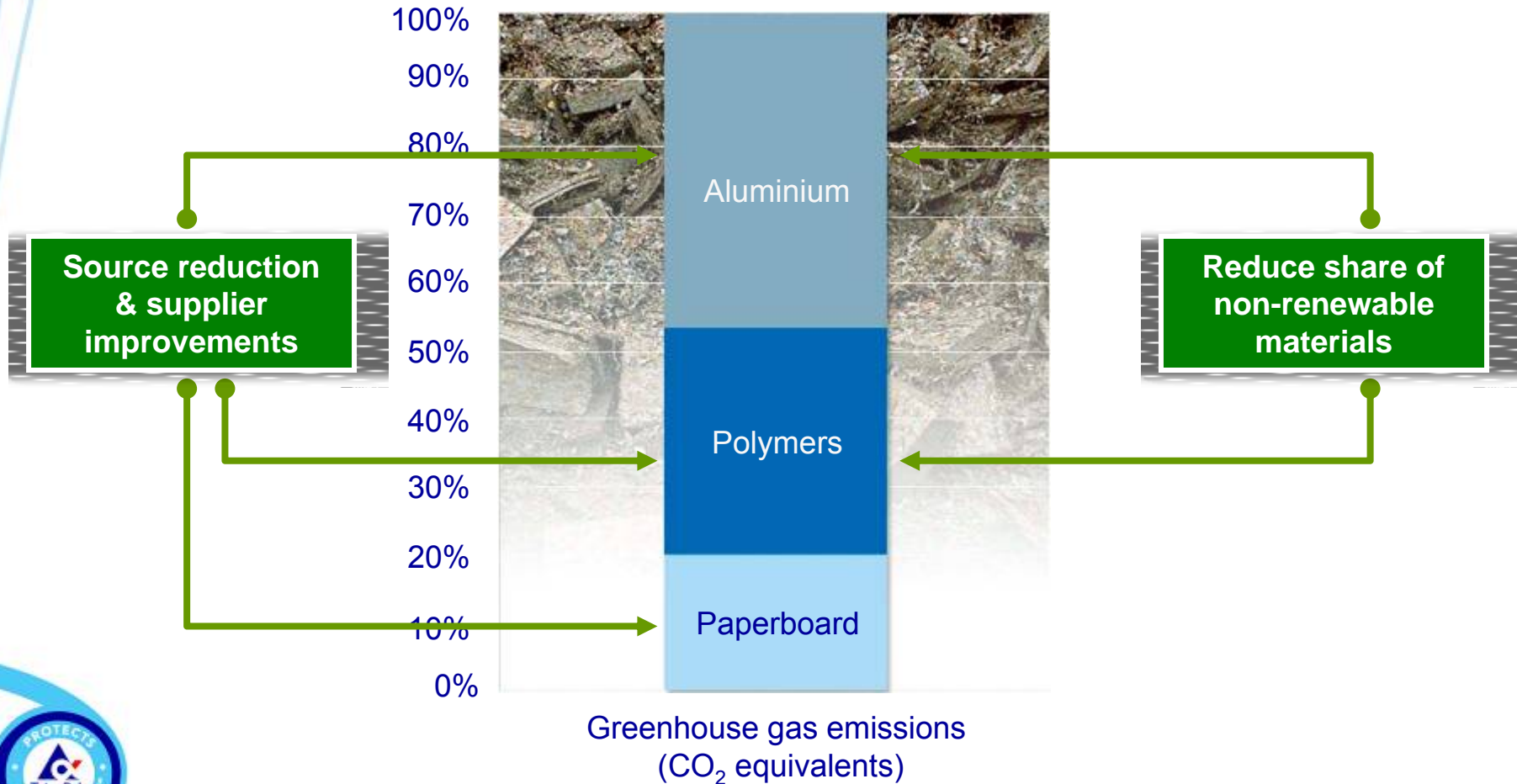
- ▶ Traceability systems for wood independently certified
- ▶ Forestry management systems independently certified/audited
 - World's first Forest Stewardship Council (FSC) –certified paper package in 2007.



Renewables have low impact

Board is 75% of weight but only 20% of CO₂ impact

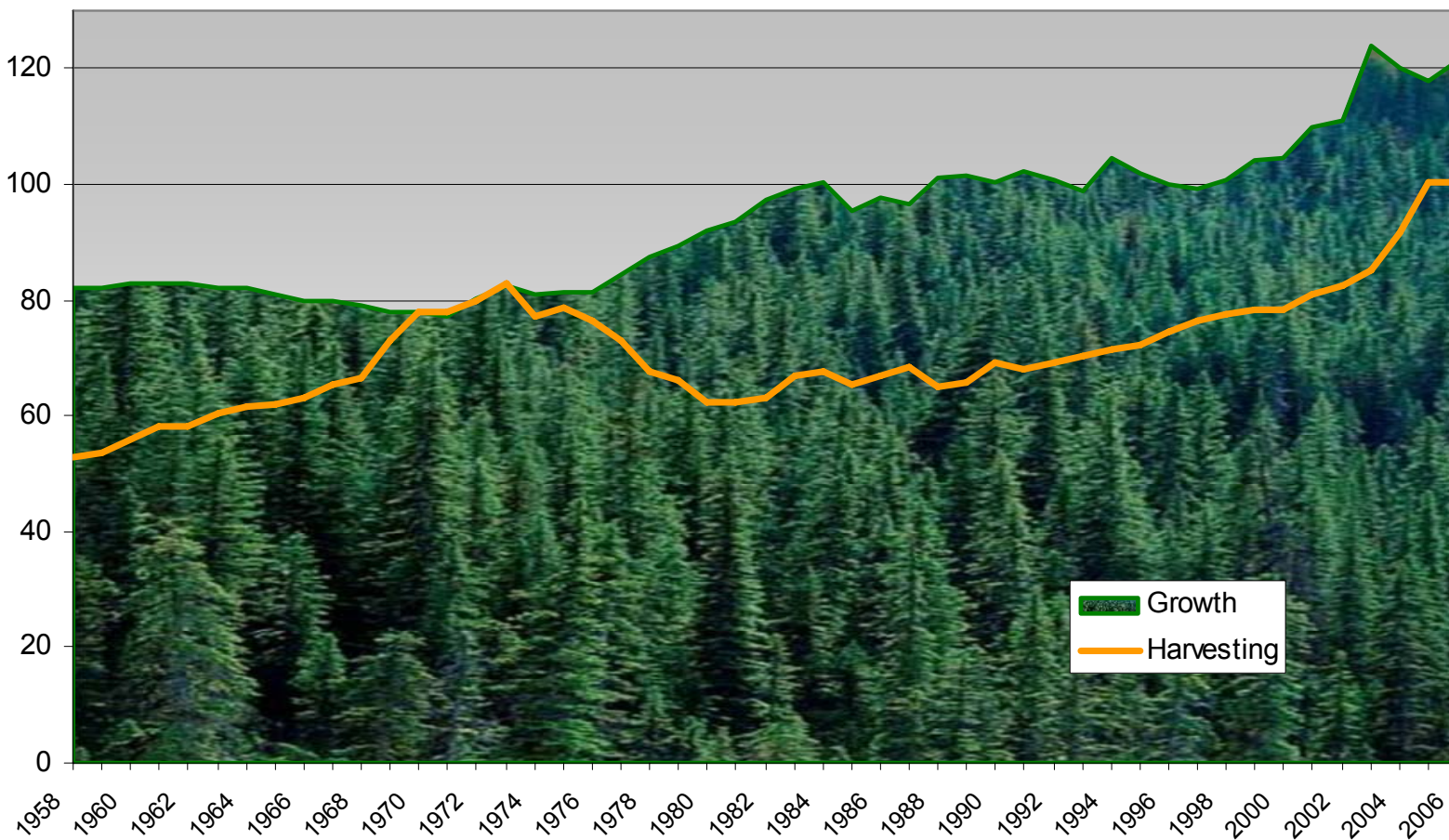
Base materials produced for Tetra Pak



The forest – a growing resource

Example: Growth outpaces harvesting in Swedish forests

Mio M3



Source: Riksskogstaxeringen, 5 year historic averages



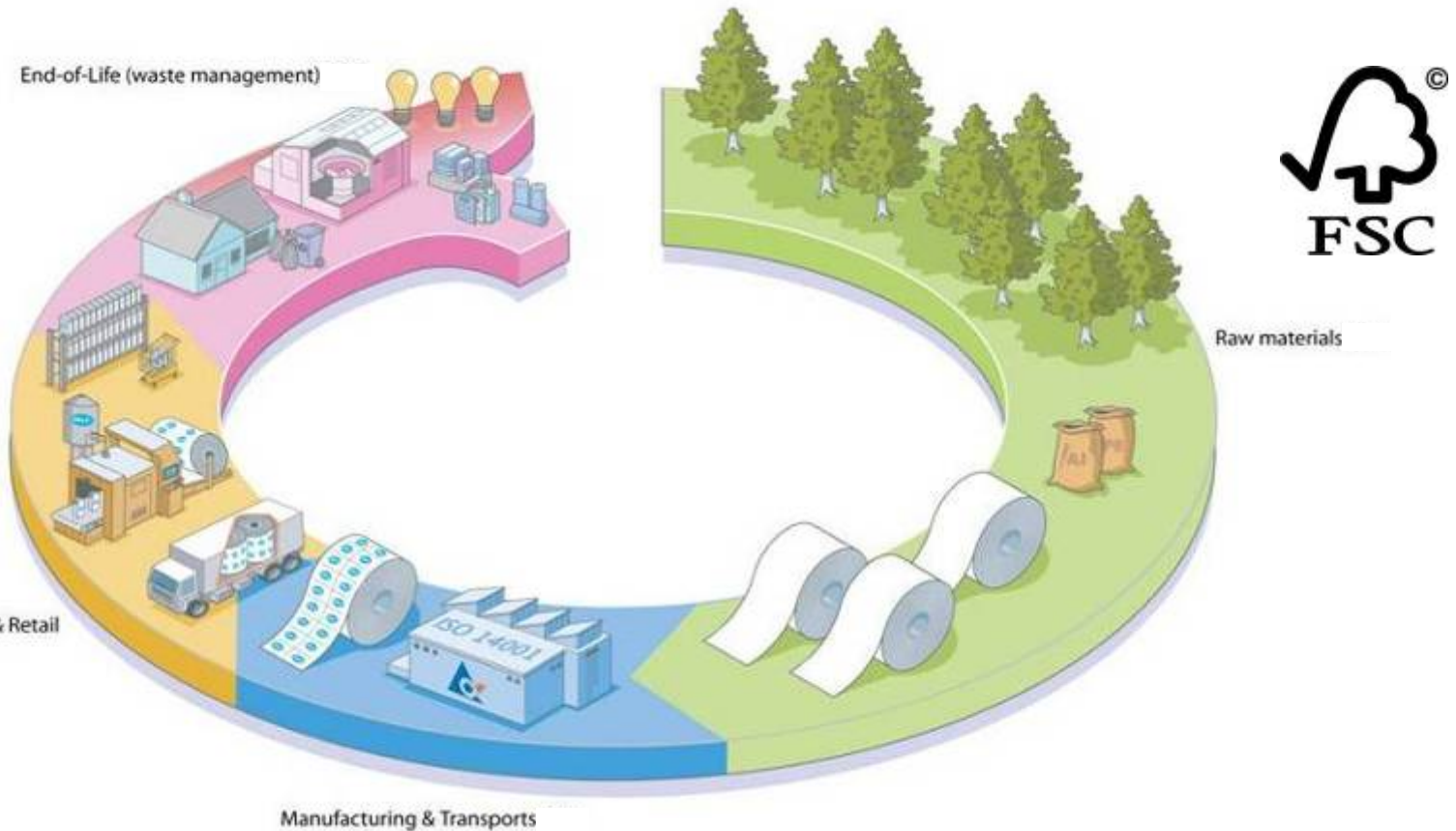
Tetra Pak and the Environment

Reducing - minimising impact during economic life



Measuring Environment Impact

Life Cycle Assessment (LCA)



Raw materials

Filling, Distribution & Retail
(= customers)

Manufacturing & Transports

End-of-Life (waste management)



Carbon Label

First Packaging Manufacturer Awarded

- ▶ In 2009 Tetra Pak was Thailand's first packaging manufacturer to be awarded Carbon Label (for packaging only) by a joint committee between Thai Environment Institute and Thailand Greenhouse Gas Management Organisation
- ▶ The Carbon Label recognizes 10% reduction in the level of carbon dioxide emissions during production of our packaging material between 2002-2008.



Tetra Pak and the Environment

Recycling - ensuring continued use of scarce resources





Recycling matters

Ensuring efficient re-use of resources

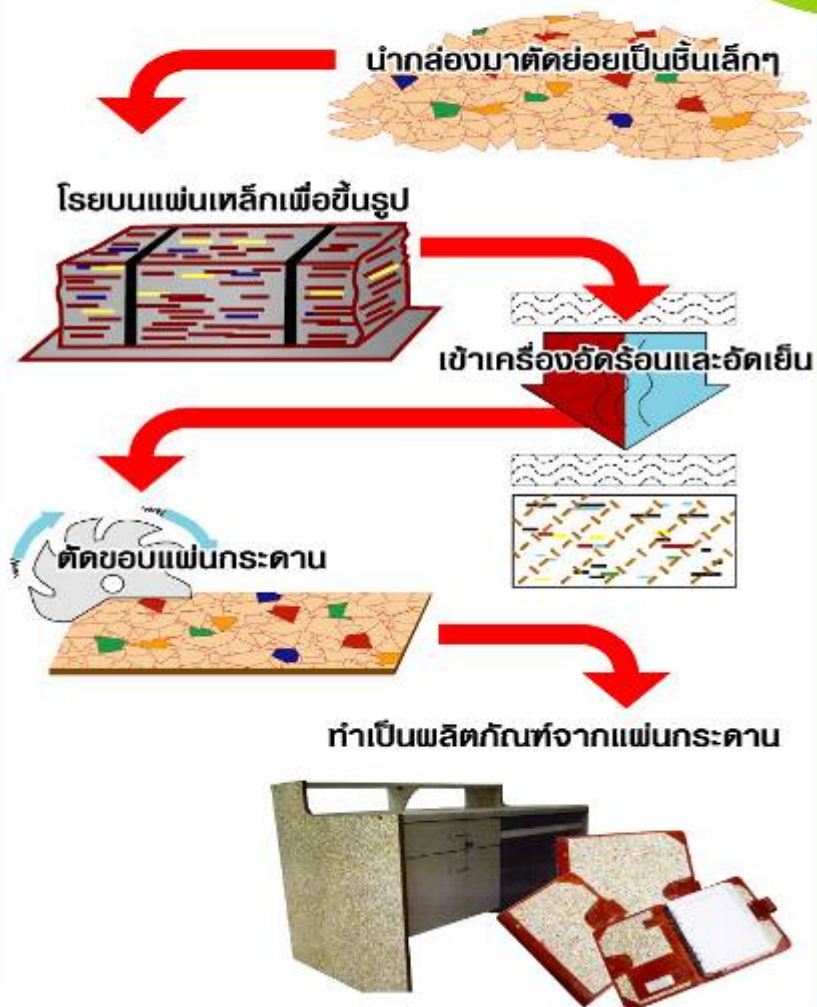
- ▶ Recycling fundamental for environmental performance
- ▶ Recycling - a credit in LCAs
 - Reduced CO₂ from landfills. A study shows that every ton of used beverage cartons recycled helps reduce 900 kilograms of carbon dioxide emission.
 - Input for new products
- ▶ Projecting environmental/social responsibility to consumers



Beverage Cartons Recycling



การผลิตเป็นแผ่นไม้กระดาน



การแยกเยื่อกระดาษ



Consumer Education

Raising awareness on cartons recyclability

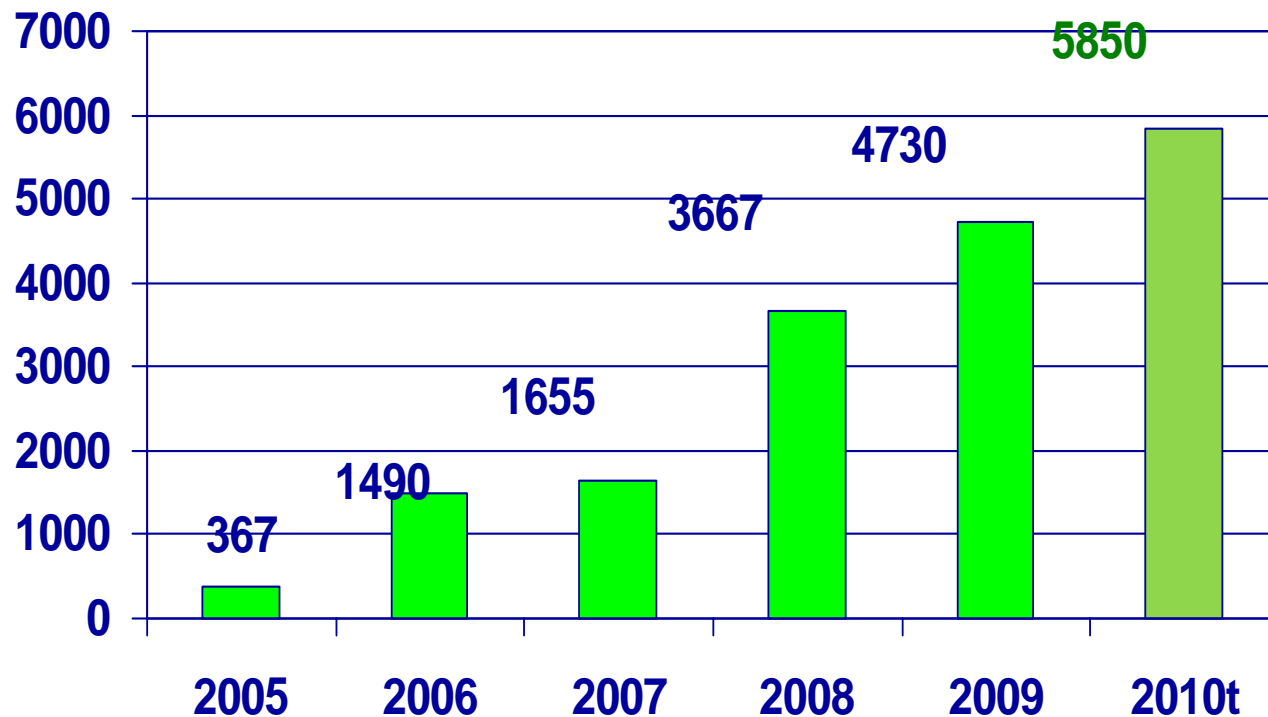
- ▶ All year round activities through
 - Beverage Carton Group; Partner with competitor
 - Thailand Institute of Packaging Management for Sustainable Environment (TIPMSE)
- ▶ Tetra Pak's own campaigns
 - Thai Children Love Recycling (2006-2007)
 - Jaew Saves Earth (2008)
 - Save the Earth with Big C and Tetra Pak (2009)
- ▶ Activities with other partners; e.g. Bangkok Metropolitan Administration
- ▶ Recycling in local community.



Thailand

Carton recycling growing

Tons Recycled



Tetra Pak and the Environment

Responsibly – taking a long-term perspective



Responsibility matters

We want to be involved



**GLOBAL
FOREST
& TRADE
NETWORK**



A responsible business scope

We design our packages to be economically and environmentally advantageous



“A package should save more than it costs”

Dr Ruben Rausing



Developing a sustainable portfolio

Part of prioritisation as well as a rationale on its own

Environmentally focused projects

- ▶ Increasing renewable share
- ▶ Reducing carbon footprint
- ▶ Source reduction
- ▶ Reducing utility consumption & waste
- ▶ Improving recyclability

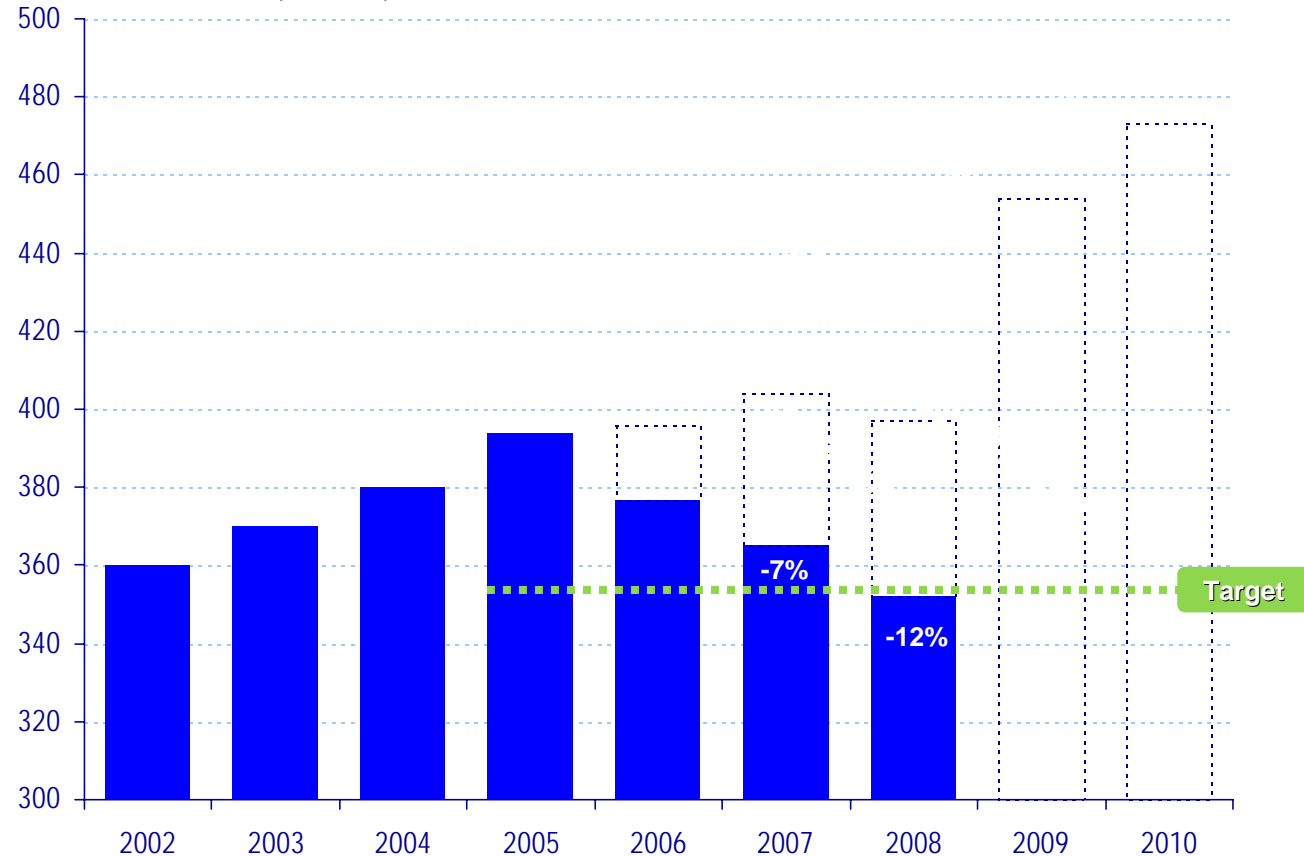


Our commitment to CO₂ reduction

Target 10% reduction by 2010 (2005 base)



Global CO₂ emissions (k tonnes) Tetra Pak total



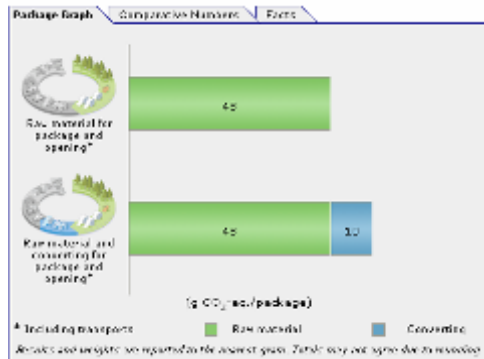
We measure & share our CO₂ impact

Carbon calculator available on www.tetrapak.com

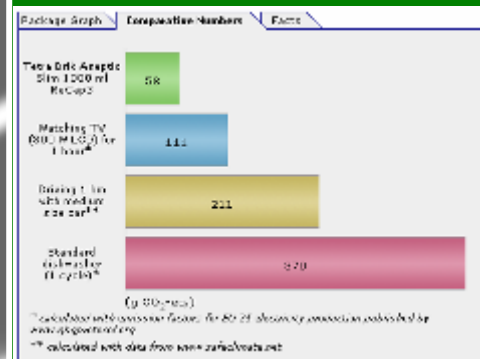
From raw material to package production



Results for CO₂ impact per package



Putting results in context



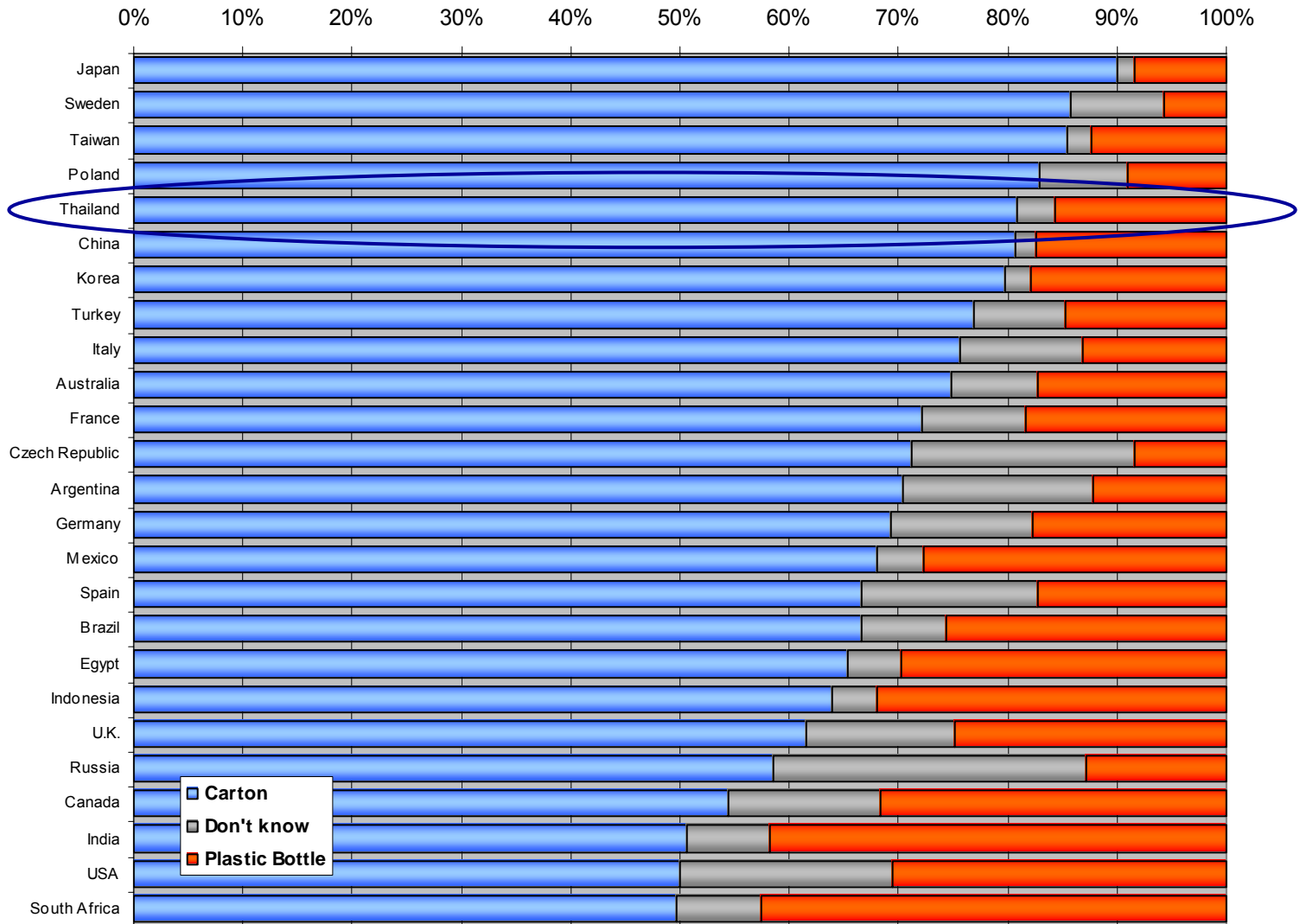
Tetra Pak's environment position

Four pillars driving focus and competitiveness



Cartons – a strong environment asset

Stronger performance than plastic in all 25 markets



Source: Roper Reports Worldwide, Quantitative study, 2008
"Which package format has the best environmental image"



THANK YOU

