



# Enabling the sustainable supply chain

**GS1 Standards for the Global Protocol on Packaging Sustainability (GPPS)**





# Industry is collaborating to work on the sustainable supply chain



## Industry alignment

Define priorities, piloting & publishing sustainability metrics, best practices

**TCGF (Global), CCGD, FCPC, CFGI, RCC (CA);  
FMI, GMA, RILA (US) and other trade associations**



## Standards and Implementation Support

Global standards for identification and data sharing, community management and support for local implementation

**Global Office and Member Organisations**

## Research and Sciences

Building solutions to define & measure  
**Sustainability Consortium and other organisations**



## Trading Partners Supplying Input and Requirements

Retailers, Distributors, Operators, Manufacturers, Raw Material Suppliers  
Governmental and Non- Governmental Organizations, Academia

## Technology and Solution Partners Supplying Solutions

Dashboards, Data Pools, ERPs, Reporting Tools



## For more information



Diane Taillard  
Director, Industry Solutions  
GS1 Global Office  
E [diane.taillard@gs1.org](mailto:diane.taillard@gs1.org)

Ruediger Hagedorn  
Collaborative Industry Programmes  
The Consumer Goods Forum  
E [r.hagedorn@theconsumergoodsforum.com](mailto:r.hagedorn@theconsumergoodsforum.com)



# Annex





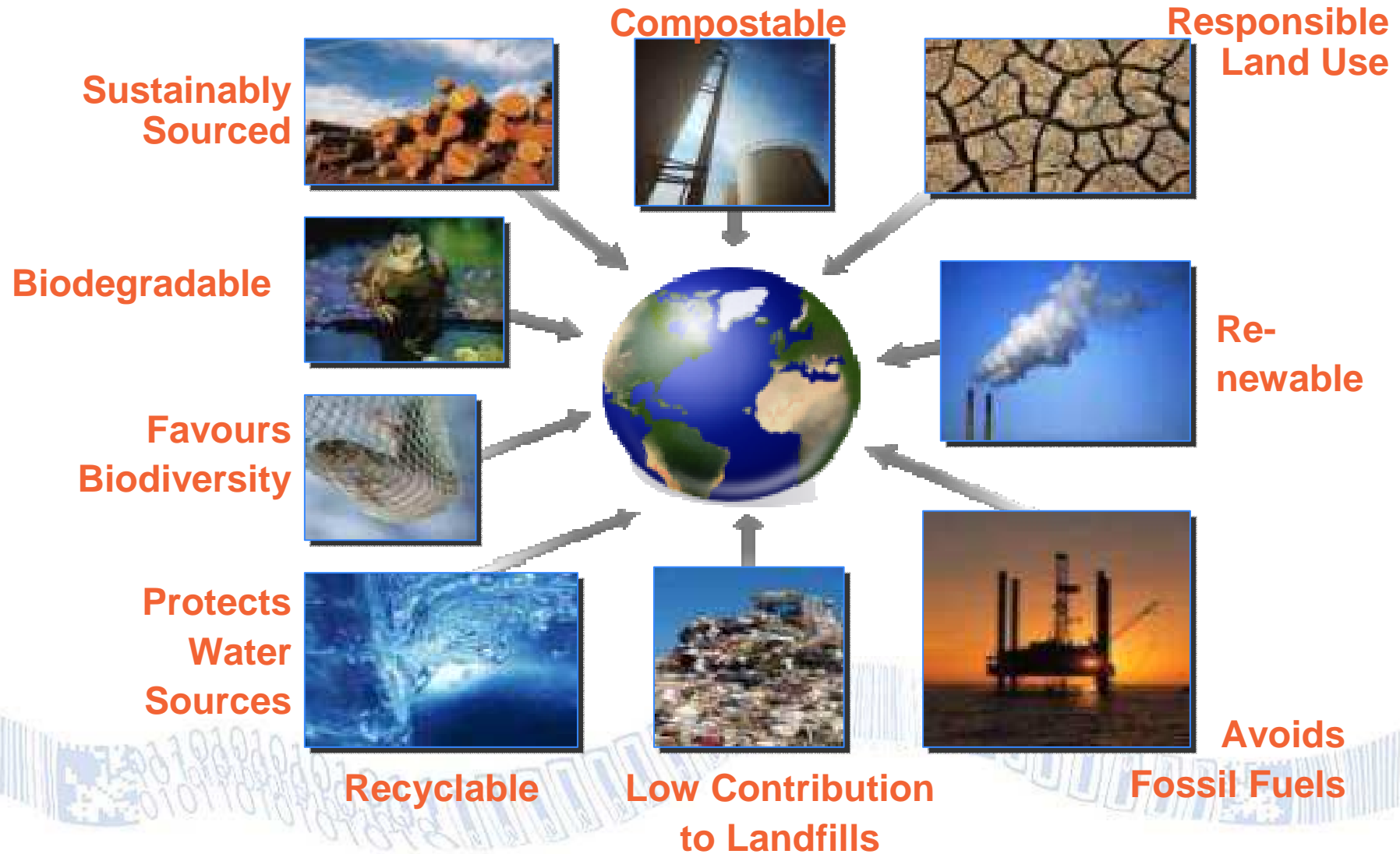
# Aligning the industry on sustainability

The Global Packaging  
Project, led by The  
Consumer Goods Forum



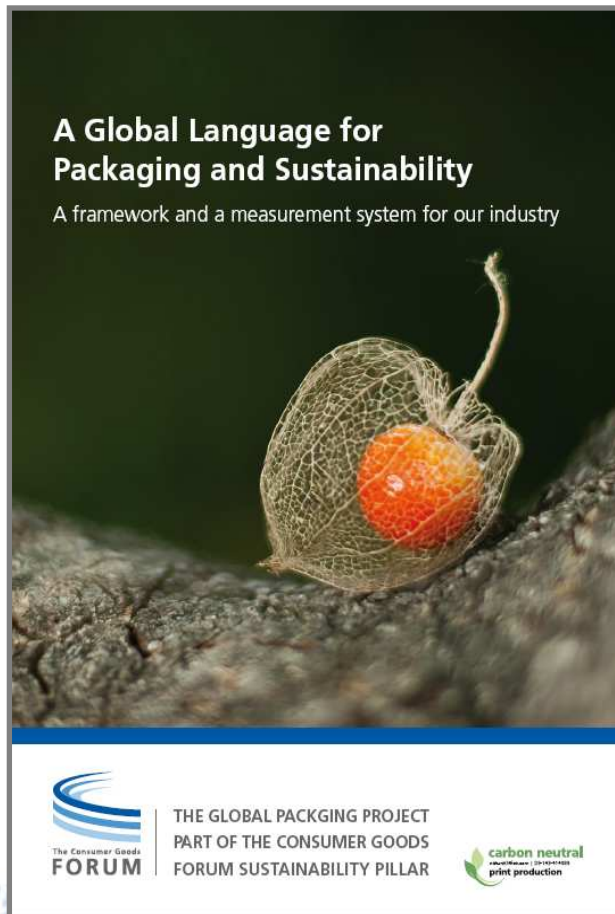


# Complexity of sustainability requires a common language





# A common measurement system for packaging and sustainability



The Global Packaging Project, an initiative of The Consumer Goods Forum, has defined a set of metrics that provide a common language for understanding sustainability and product packaging



# The published metrics: the Global Protocol on Packaging Sustainability

ENVIRONMENTAL ATTRIBUTES & LIFE CYCLE INDICATORS	
ATTRIBUTES	
Packaging Weight and Optimization	Assessment and Minimization of Substances Hazardous to the Environment
Packaging to Product Weight Ratio	Production Sites Located in Areas with Conditions of Water Stress or Scarcity
Material Waste	Packaging Reuse Rate
Recycled Content	Packaging Recovery Rate
Renewable Content	Cube Utilization
Chain of Custody	
LIFE CYCLE INDICATORS – INVENTORY	
Cumulative Energy Demand	Land Use
Fresh Water Consumption	
LIFE CYCLE INDICATORS – IMPACT CATEGORIES	
Global Warming Potential	Photochemical ozone creation potential (POCP)
Ozone Depletion	Acidification Potential
Toxicity, Cancer	Aquatic Eutrophication
Toxicity, Non-Cancer	Freshwater Ecotoxicity Potential
Particulate Respiratory Effects	Non-Renewable Resource Depletion
Ionizing Radiation (Human)	
ECONOMIC & SOCIAL ATTRIBUTES	
ECONOMIC	
Total Cost of Packaging	Packaged Product Waste
SOCIAL	
Packaged Product Shelf-Life	Community Investment
CORPORATE PERFORMANCE CHECKLIST	
ENVIRONMENT	
Environmental Management System	Energy Audits
SOCIAL	
Child Labor	Freedom of Association and/or Collective Bargaining
Excessive Working Hours	Occupational Health
Responsible Workplace Practices	Discrimination
Forced or Compulsory Labor	Safety Performance Standards
Remuneration	



30+ metrics and indicators with a common definition that companies can use to measure and communicate on the sustainability of packaging of their products





# Implementation of the Global Protocol on Packaging Sustainability

**GS1 Standards for sharing  
sustainability data**





## GS1 will support the roll-out of the Global Protocol on Packaging Sustainability



- **Providing standards** for the automated exchange of these metrics between trading partners
- **Supporting global deployment** of the new metrics globally in the consumer goods sector



# GS1 solution for sharing the GPPS sustainability metrics

**GS1 GDSN**

**The Global Data Synchronisation Network**

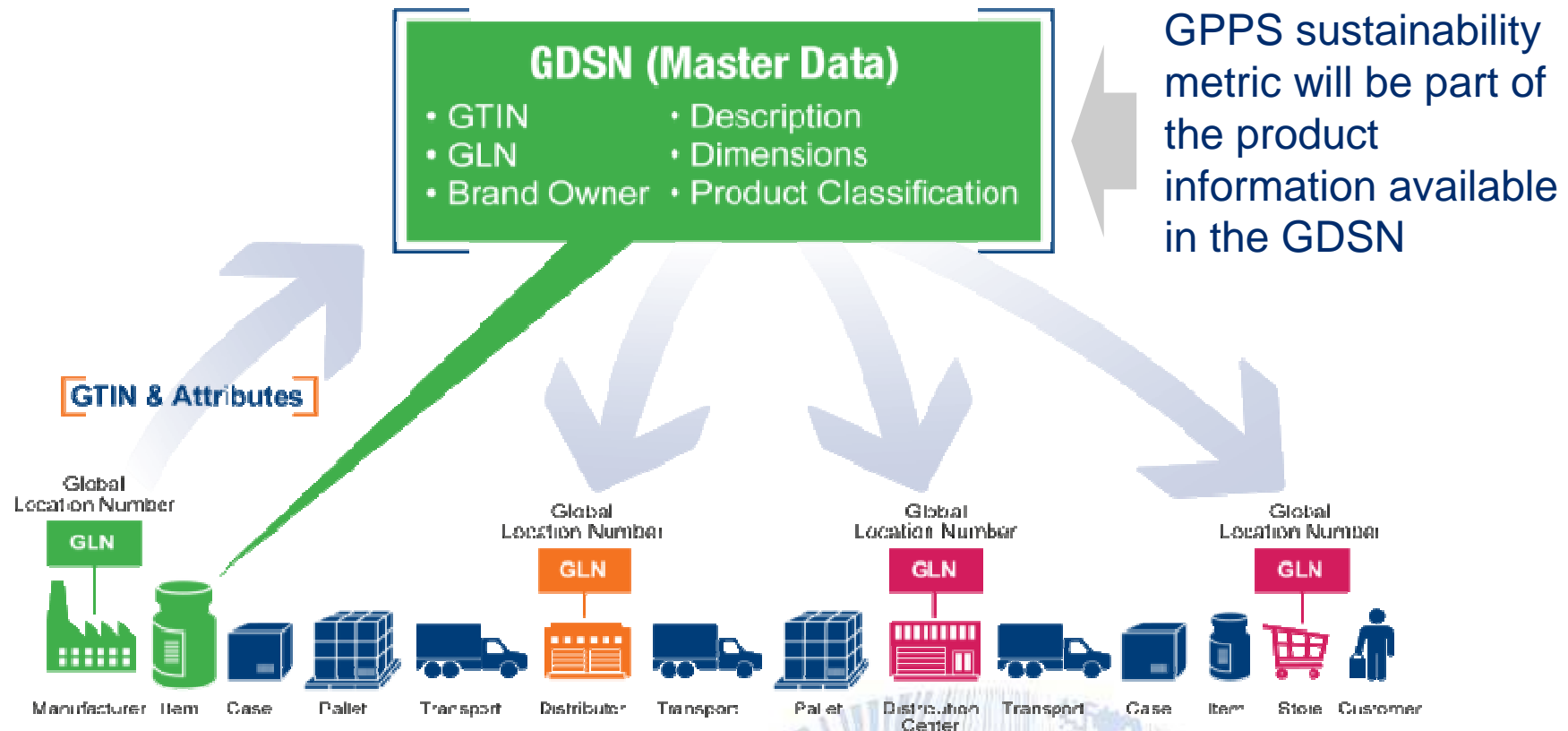


**Effective information sharing** between trading partners on packaging sustainability

- A common “interpretation” by all Information Systems thanks to **global data standards**
- Reliable and up-to-date data thanks to **automated exchange** through the Global Data Synchronisation Network



# GS1 Global Data Synchronisation Network (GDSN)



Companies share the product information (master data) in an automated manner, so all companies have the same information in their system



## **GDSN: an important network that companies can leverage as needed**

### **GS1 GDSN - Global Data Synchronisation Network**

•A network used by many companies: **20,000** trading partners

•**7.1 million** trade items in Global Registry

•**28** certified data pools operating in **130+** countries

### **For companies using the GPPS**

•**Select your own certified data pool**, interoperable with any others used by trading partners

•**An open and voluntary model**: populate the packaging sustainability fields in the GDSN that are relevant to your business