



# **The Sustainability Consortium (TSC) - Science as foundation for measuring sustainability**

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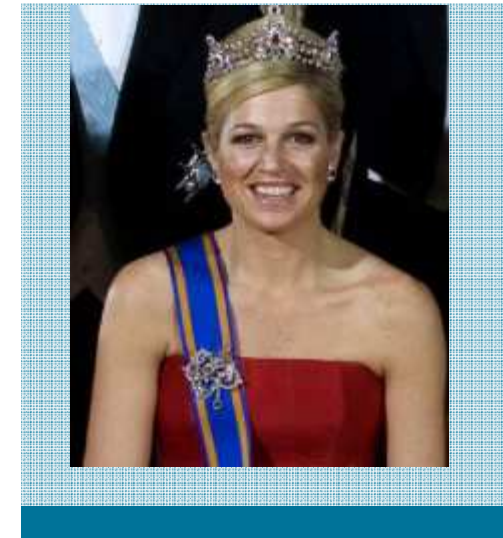
## TSC Introduction

Sustainability measurement on product level using life cycle thinking

- Science based and practical
- 110 consumer product categories covered
- 60 - 80% of global impact cons. products

Global co-operation between Universities, NGO's and Business

- Started in July 2009
- Wageningen UR European co-ordinator (August 2011)
- Financing by company members and users
- >100 members (2 trillion Euro sales)
- Yearly budget about 6 million dollar



# The Consortium is coordinated by universities in the United States, Netherlands and China



# Members from business, academia, government and the NGO sectors. Corporate annual turnover nearly 2 Trillion Euro



# Product Sustainability Toolkits



## Category Sustainability Profile (CSP)

- Reference document for sustainability professionals
- Comprehensive assessment of hotspots & improvement opportunities
- References to scientific literature, initiatives and expert input

## Category Snapshot

- 1-pager for business audiences (retail buyers and manuf. sales teams)
- Priority hotspots and IOs
- Business language with business rationale for action (e.g. cut costs)

## Key Performance Indicators (KPIs)

- 10-15 questions for retailer-manufacturer interactions
- Targeting hotspots across full lifecycle (incl. farm)
- Tracking performance of individual products within product category





## Food, Beverages and Agricultural Categories finished

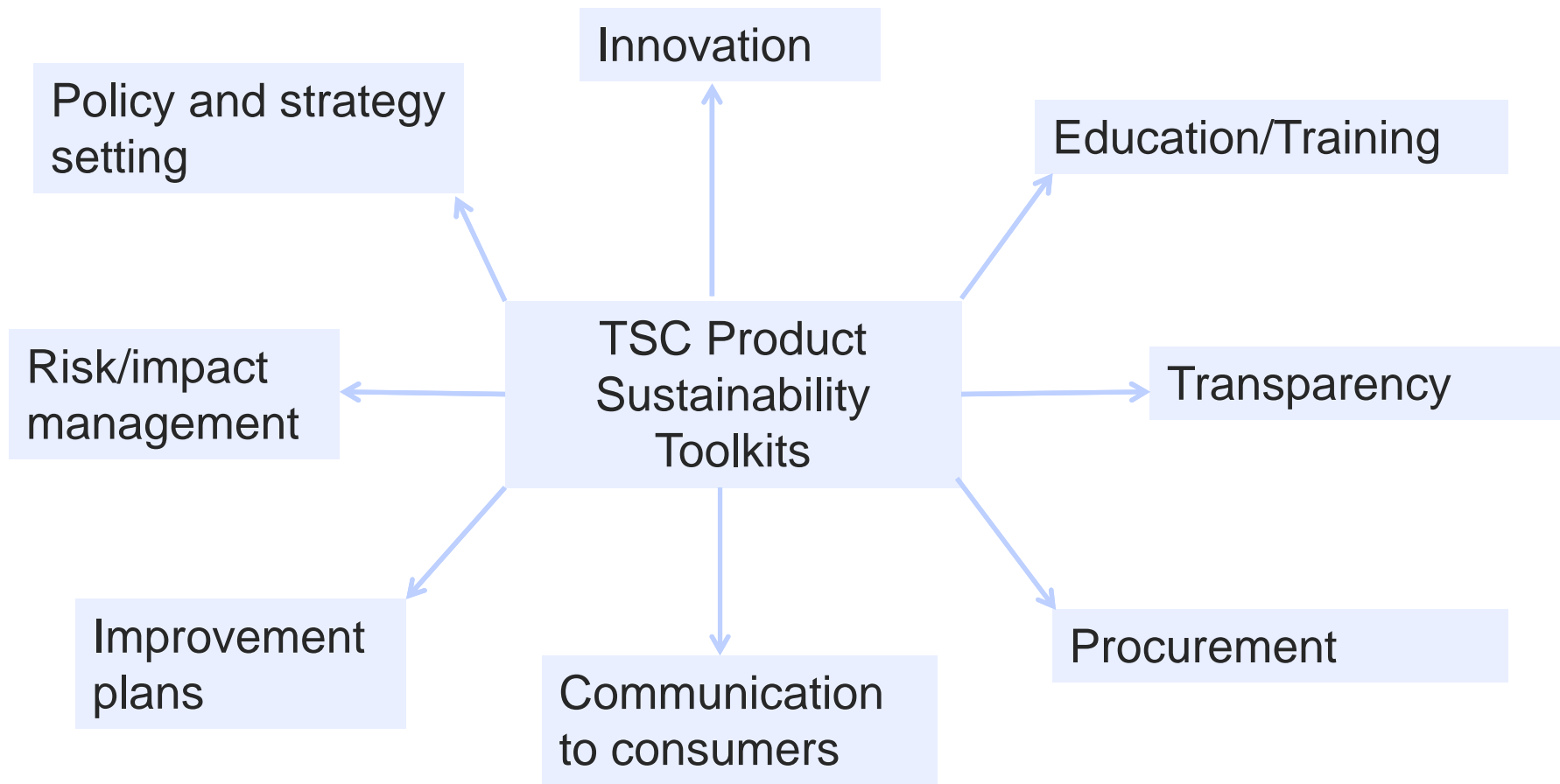
Apples	Corn Syrup	Non-Dairy Products	Spirits and Liquors
Bananas	Cucumbers	Nuts	Stone Fruit
Beans, Lentils, and Peas	Dairy	Packaged Cereal	Sugar
Beef	Dry Pet Food	Pasta	Table Grapes
Beer	Eggs	Pork	Tea
Berries	Farmed Fish	Potatoes	Tomatoes
Bread	Farmed Shellfish	Prepared Salads	Wet Pet Food
Chicken	Frozen Convenience Meals	Processed Berries	Wild-Caught Fish
Chocolate	Grains	Processed Citrus	Wine
Citrus	Jams and Jellies	Seed Oils	
Cocoa	Juice	Soda and Sports Drinks	
Coffee	Leafy Vegetables (Lettuce)	Soup	

## Example for pork

Identify hotspots based on literature	Improvement opportunities	Key Performance Indicators (KPIs)
<p>Feed:</p> <ul style="list-style-type: none"><li>• Energy LCA &gt; 50% (Cederberg et al. 2009)</li><li>• GHG LCA &gt;50% (Dalgaard, 2007)</li><li>• Nutrients (de Vries en de Boer, 2010)</li><li>• Land use (Dolman, 2012)</li><li>• Worker health (Smith et al., 2013)</li></ul>	<ul style="list-style-type: none"><li>• Feed conversion</li><li>• Feed additives</li><li>• Feed formulation</li><li>• Benchmarking</li><li>• Precision agriculture</li></ul>	<p>On average what is the feed conversion ratio for delivered pigs?</p> <ul style="list-style-type: none"><li>A. Unable to determine at this time</li><li>B. Participate in external initiative</li><li>C. Have determined average feed conversion rate only for finishing phase</li><li>D. Overall feed conversion rate is greater than or equal to 3.1:1</li><li>E. Overall feed conversion rate is between 2.8:1 - 3.1:1</li><li>F. Overall feed conversion rate is less than or equal to 2.8:1</li></ul>

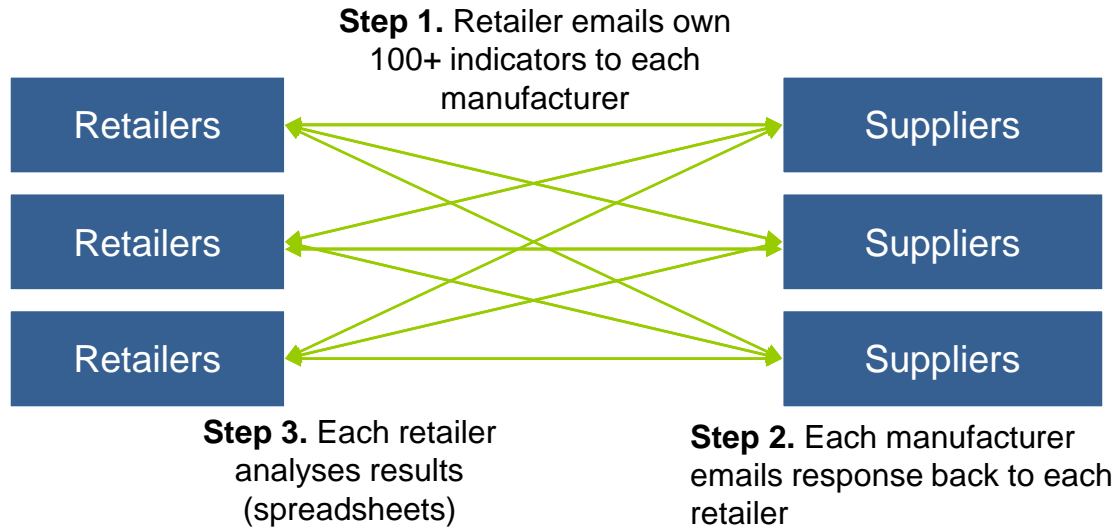


# How are TSC Knowledge Products being implemented throughout supply chains?

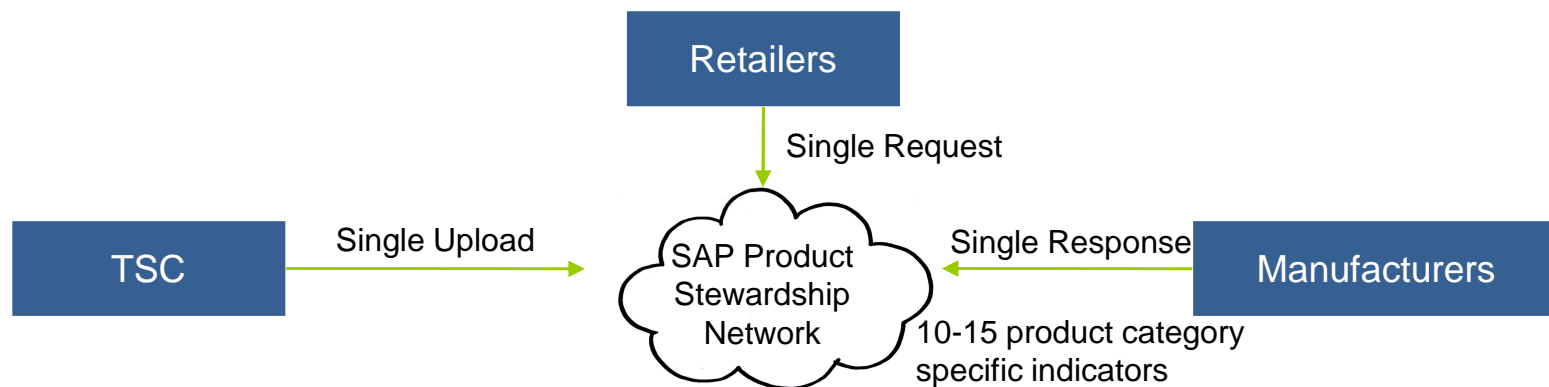


# Reporting Platform

## “Manual” Reporting Process

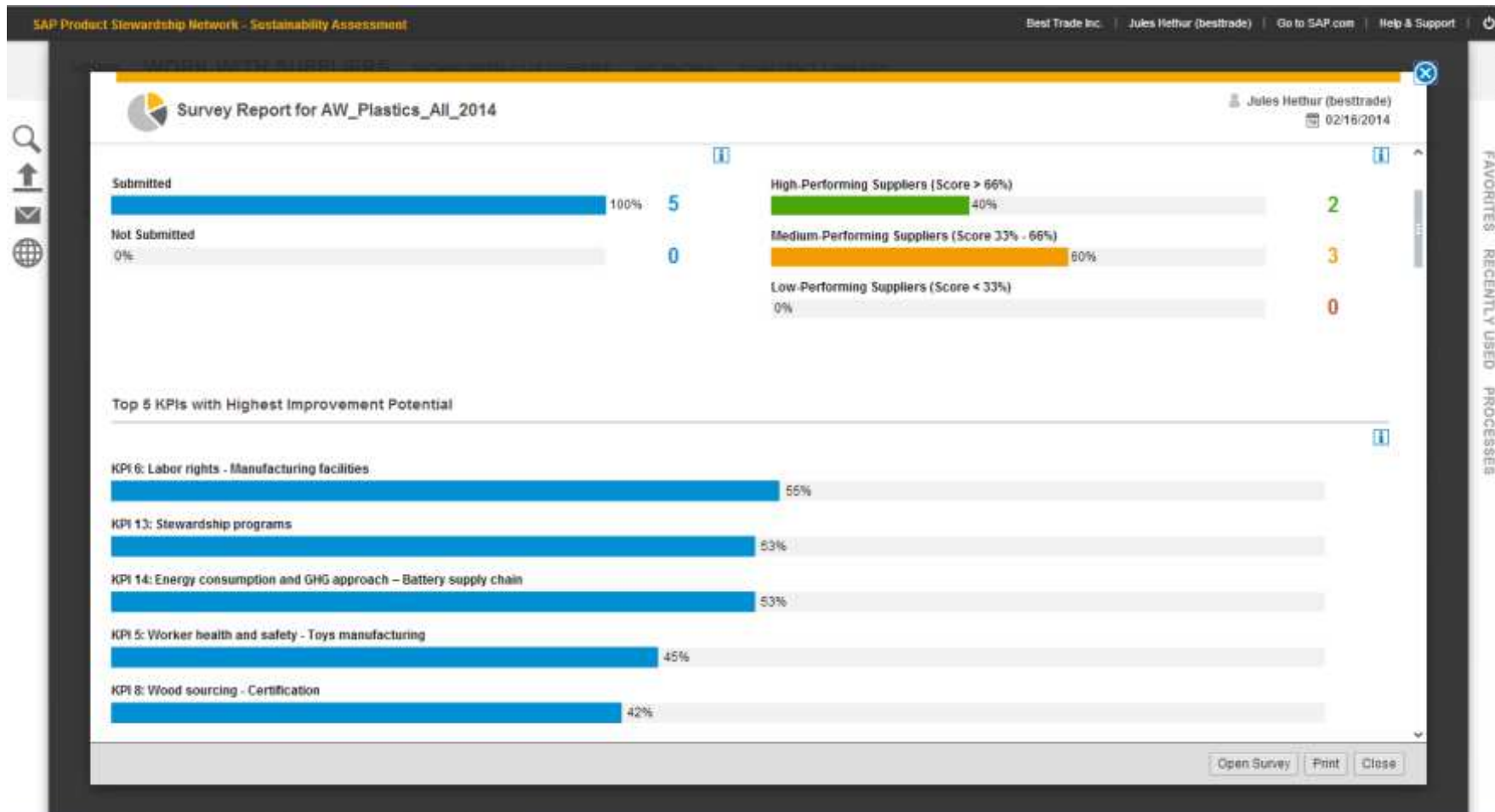


## TSC Reporting Platform



# Tool users have access to detailed analytics

Progress, category improvement potential, supplier rankings, background docs



# Ways To Engage With Us

## Use the Tools

- Download the Sustainability Profiles and KPIs (costs <\$600)
- Build them into your own sustainability programs and/or use SAP platform to manage suppliers

## Work in Partnership

- Use the TSC Toolkits (<\$600) and work with us on a dedicated program to implement (costs TBC)

## Become a Member

- Help shape the strategy and be part of the network
- Oversee the content development
- Tier 1 Membership \$100k/25k, Tier 2 \$50k/10k



## Use of results – Exchange of KPI scores

### TSC members:

- Wal-Mart
  - Fall 2012: 5000 USA suppliers
  - Winter 2014: 4000 suppliers in 7 countries
- Delhaize, M&S and three other large retailers
  - Small scale pilots
- Ahold
  - Implementation project started Spring 2013
  - Co-operation with farmers organization (ZLTO) and Rabobank

### Non-TSC members:

- Use of Tools: Several non-TSC retailers (9 countries) interested in piloting using SAP tool
- Work in Partnership: Two proposals with several non-TSC retailers to start implementing TSC
  - Work on alignment with EU PEF
  - Consumer communication



# Co-Operating With Other Initiatives

- EU Product Environmental Footprint
  - Participating in piloting
- Consumer Goods Forum
  - Endorsed TSC
- WBCSD  wbcsd sustainable lifestyles
  - Participation in sustainable lifestyle group
- Green Public Procurement
- Consumer targeted apps
- International Network on Product Sustainability Initiatives (UNEP/Grenelle/EC/WRAP/GS 1)
- CDP: TSC member
- Sector specific initiatives:



wbcsd sustainable lifestyles





# What's next for TSC?

1

## Implementation Services



- Help members & users drive impact & unlock value across their supply chains
- Create feedback loop to gather intelligence & ideas for improvement on Toolkits
- Training & support to boost implementation, scale up with partners

2

## Usability



- Improve the user-interface of TSC Toolkits & other new features
- Translate scientific information into business practice
- Work with retail partners to embed into the buyer-supplier conversation

3

## Next generation tools



- Toolkits for new product categories
- **Supply Network KPIs; alignment & partnership with sector-specific initiatives on metrics & data**
- Other support tools & features, e.g. commodity mapping & data flow

4

## Leadership Initiatives



- Leverage the unique network of TSC to drive impact that only TSC can deliver
- Vehicle to tackle tough cross-cutting issues (e.g. consumer)
- Partner with Tier 1 members to define and lead initiatives.





THE  
**SUSTAINABILITY**  
CONSORTIUM

The Sustainability Consortium® is jointly administered by  
Arizona State University and University of Arkansas with additional  
operations at Wageningen University and Nanjing University.

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