International Association of Public Transport
Union Internationale des Transports Publics
Internationaler Verband für öffentliches Verkehrswesen
Unión Internacional de Transporte Público

Sustainable Development Coaching & Training Session

Introduction to UITP's New Reporting Framework for Charter Signatories

4th-5th October 2009

Brussels

Bombardier Transportation: Sustainability Reporting – meeting GRI and UITP requirements

Michael Schemmer, Bombardier, Berlin, Germany

Connecting the world of public transport

Bombardier Environmental and Sustainability Track Record

1993:
We apply Design for Environment to improve environmental performance of our products

1995 :
BT's Kassel site is the first rail manufacturing plant world-wide to be registered under the
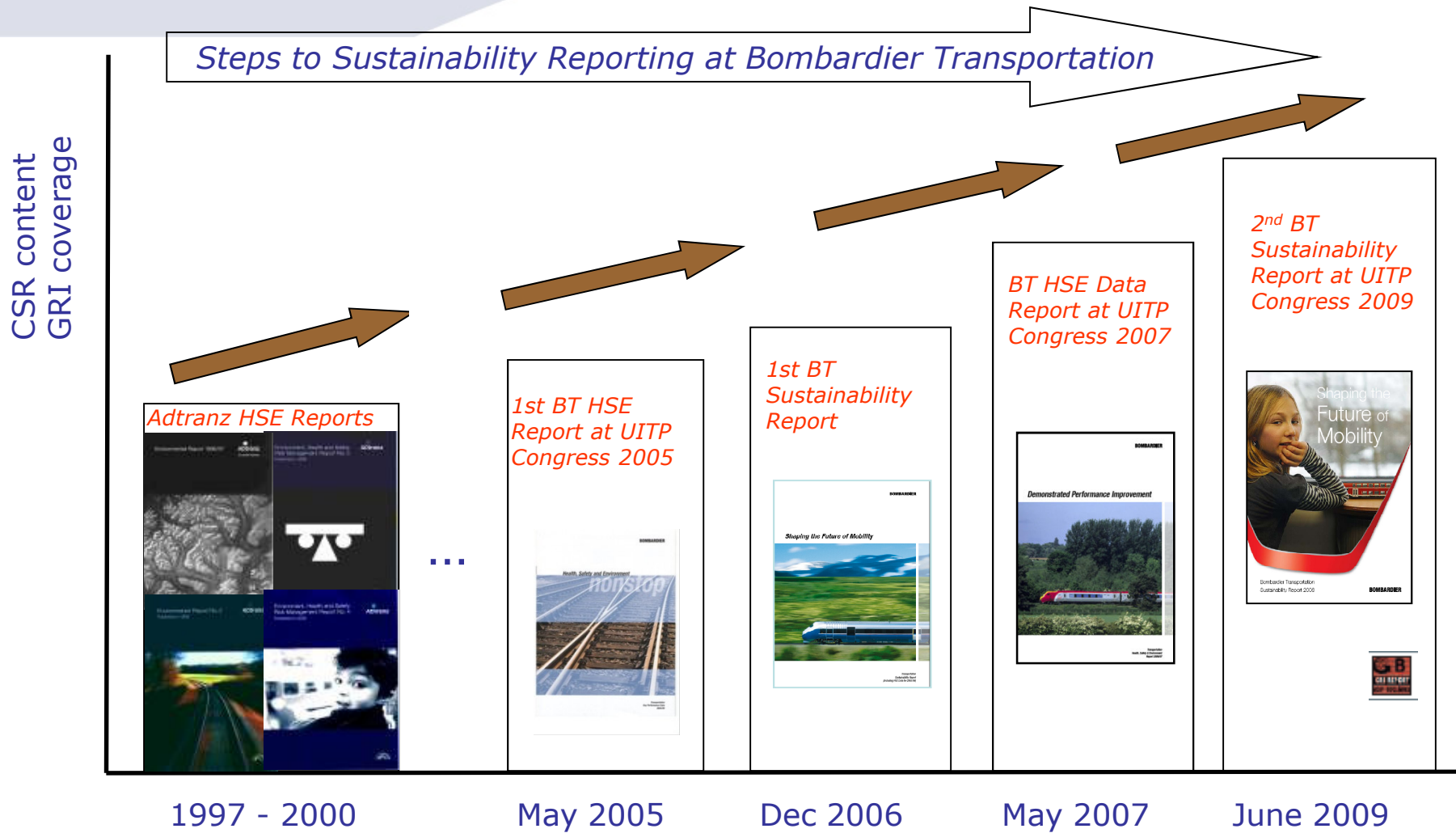EU EMAS scheme

1999:
We present the first Environmental Product Declaration in rail industry

2003:
Bombardier Transportation is the first rail systems manufacturer to sign the UITP Sustainability Charter
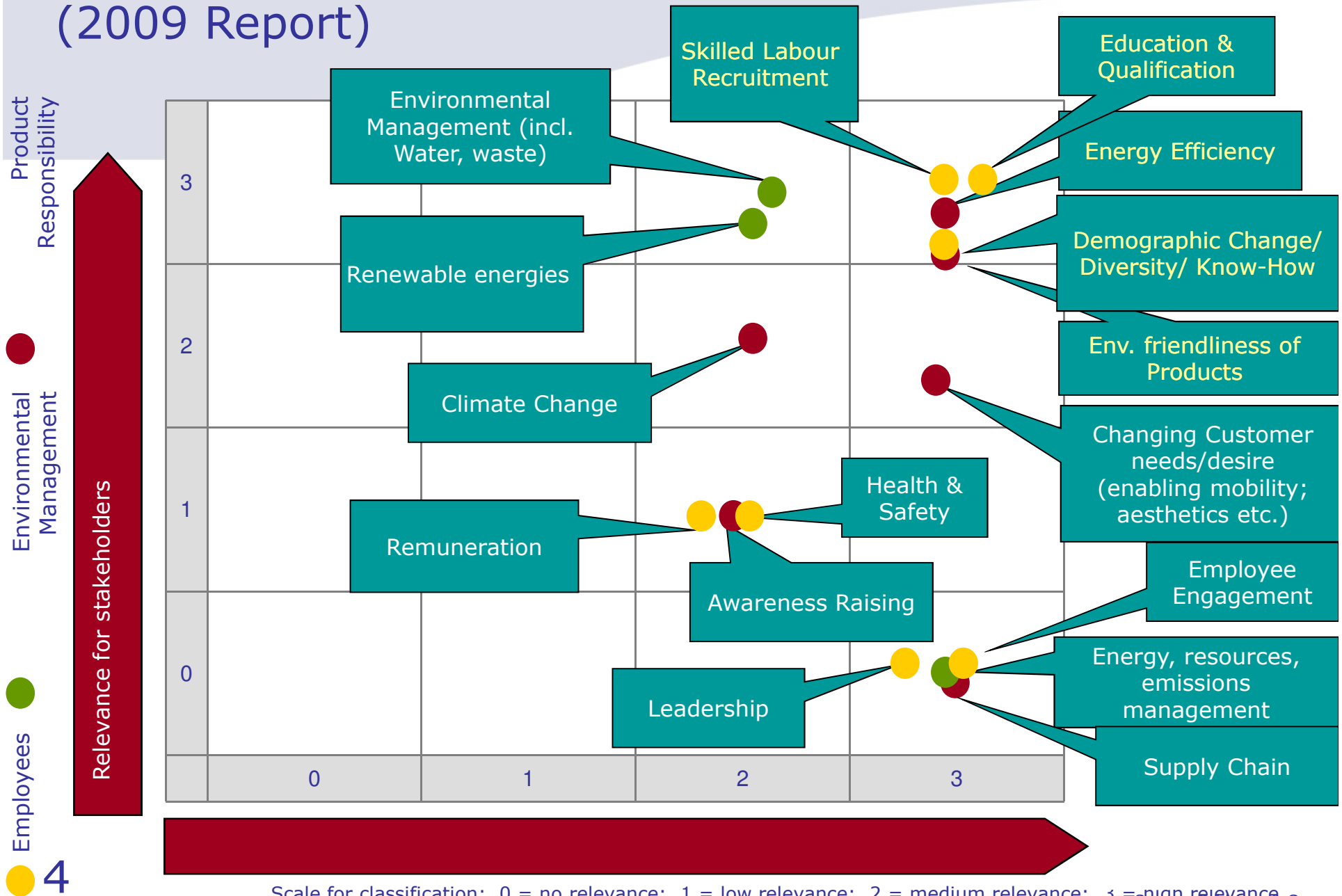
2008:
Launch of *ECO4* portfolio &
first modular EPD for sub-system

2009:
BT's EPD approach becomes industry standard (UNIFE)

Evolution of CSR Reporting at Bombardier

Steps to Sustainability Reporting at Bombardier Transportation

CSR content
GRI coverage

Adtranz HSE Reports

...

*1st BT HSE
Report at UITP
Congress 2005*

*1st BT
Sustainability
Report*

*BT HSE Data
Report at UITP
Congress 2007*

*2nd BT
Sustainability
Report at UITP
Congress 2009*

1997 - 2000   May 2005   Dec 2006   May 2007   June 2009
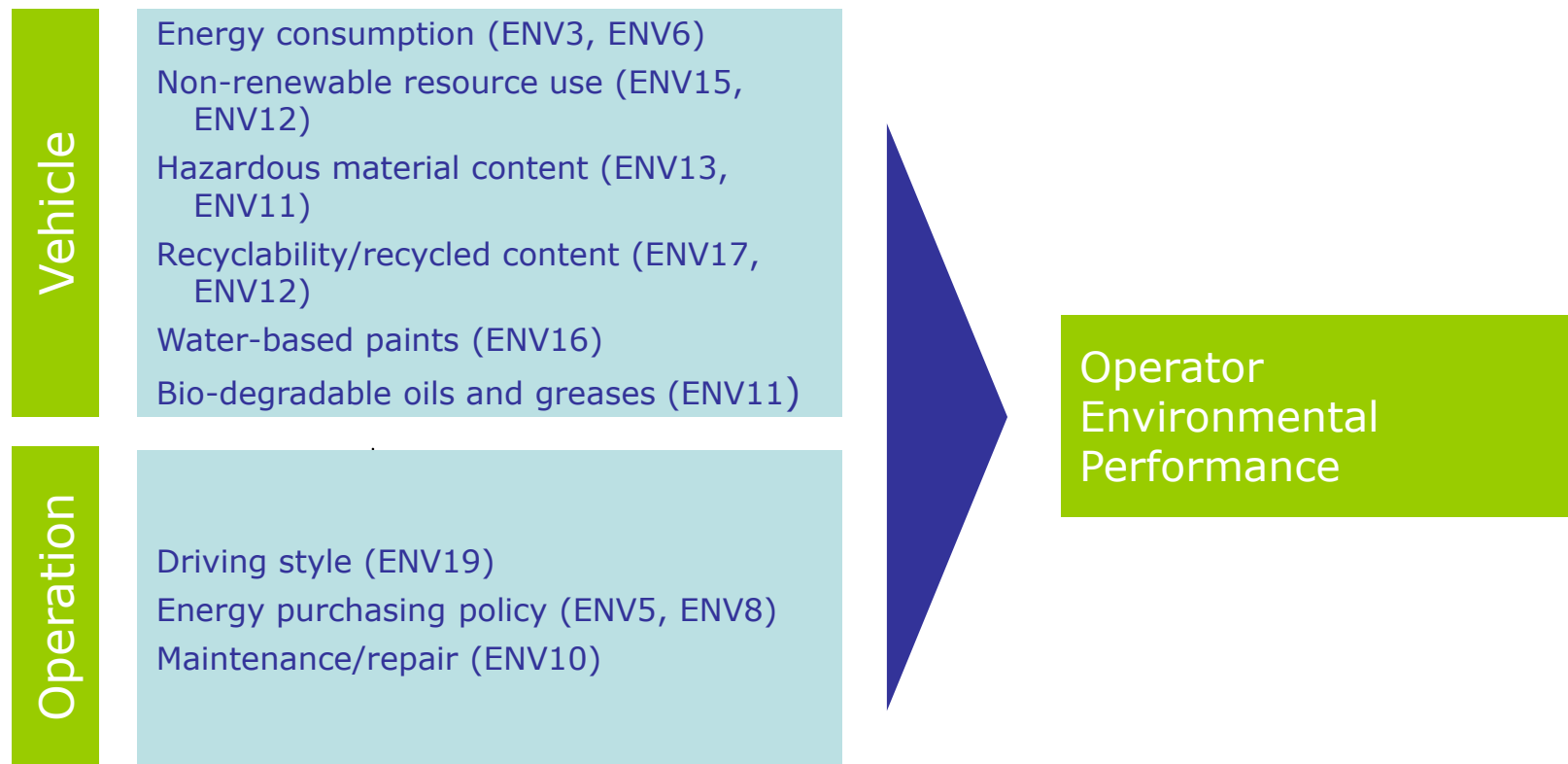
Determining the Content: Materiality Analysis (2009 Report)

Scale for classification: 0 = no relevance; 1 = low relevance; 2 = medium relevance; 3 = high relevance

Source: Schlange & Co.

Examples for Influencing an Operator's Environmental Performance

Vehicle

Energy consumption (ENV3, ENV6)

Non-renewable resource use (ENV15, ENV12)

Hazardous material content (ENV13, ENV11)

Recyclability/recycled content (ENV17, ENV12)

Water-based paints (ENV16)

Bio-degradable oils and greases (ENV11)

Operation

Driving style (ENV19)

Energy purchasing policy (ENV5, ENV8)

Maintenance/repair (ENV10)

Operator Environmental Performance

Relation of UITP and GRI G3 Indicators (Example: Environment)

GRI G3

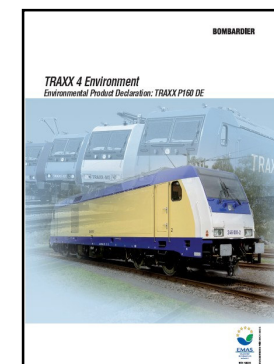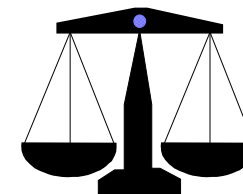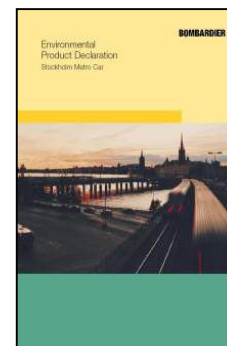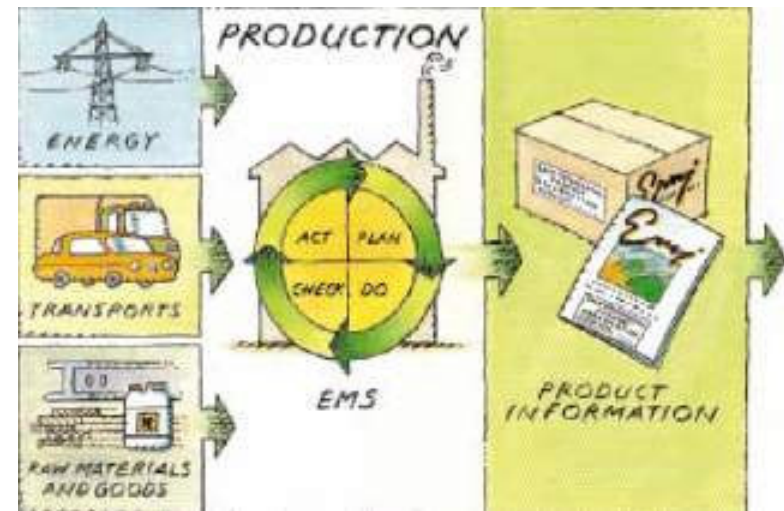| UITP	EN1	EN2	EN3	EN4	EN5	EN6	EN7	EN8	EN10	EN16	EN17	EN18	EN19	EN20	EN21	En22	EN23	EN26	EN27	EN28	EN29
ENV3			●	●		●															
ENV4			●	●		●					●										
ENV5										●											
ENV6			●	●	●	●	●														
ENV7										●											
ENV8										●		●									
ENV9													●	●				●			
ENV10								●	●						●						
ENV11																	●				
ENV12																●	●				
ENV13																		●			
ENV14														●							
ENV15	●																		●		
ENV16																					
ENV17		●																			
ENV18																					
ENV19						●															

Non-GRI KPI Schemes

- UITP Sustainability Charter

- Investor companies/consultants (like SAM)

- UK DEFRA

- OECD

- German Environment Ministry (BMU)

See also: Study performed for Austrian Standards Institute by FORCE Technology (DK), January 2008

Environmental Product Declaration (EPD) – Communication going beyond KPIs

EPD Content

Company Introduction

Product Information

Environmental Management System

Environmental aspects over the Life Cycle

- Manufacturing
- Use
- End-of-life

Environmental profile – based on a Life Cycle Assessment (LCA)

8

FINAL SLIDE

Thank you for your attention!

Questions?