

12th UIC Sustainability Conference

VENICE 2012



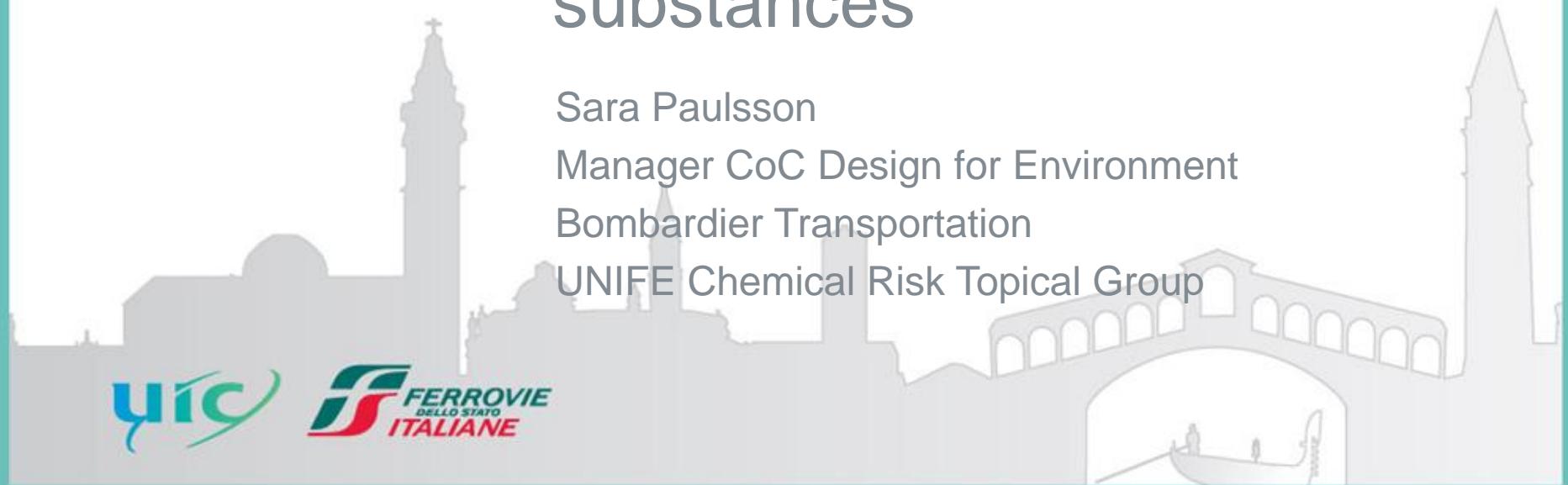
Railway Industry activities for managing materials and substances

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UNIFE Chemical Risk Topical Group



UNIFE and Sustainability



UNIFE Sustainable Transport Committee (STC)

- Provided a forum for the exchange of ideas and experiences since 1999.
- Acts assure a coherent and effective common position and effort of the rail industry in the environmental fields
- Coordinator for all the environmental matters and provides a platform for consensus-building to formulate common positions.

UNIFE STC Topical Groups (TG)

- Energy Efficiency
- Life Cycle Assessment
- Chemical Risks

UNIFE Chemical Risk TG



Purpose

- Common voice for UNIFE members
- Develop Common Understanding and Rules for the Rail Industry
- Provide support for railway system integrators and their suppliers in understanding their legal obligations

Activities

- Railway Industry Substance List
- Material Declaration Template
- Topical factsheets



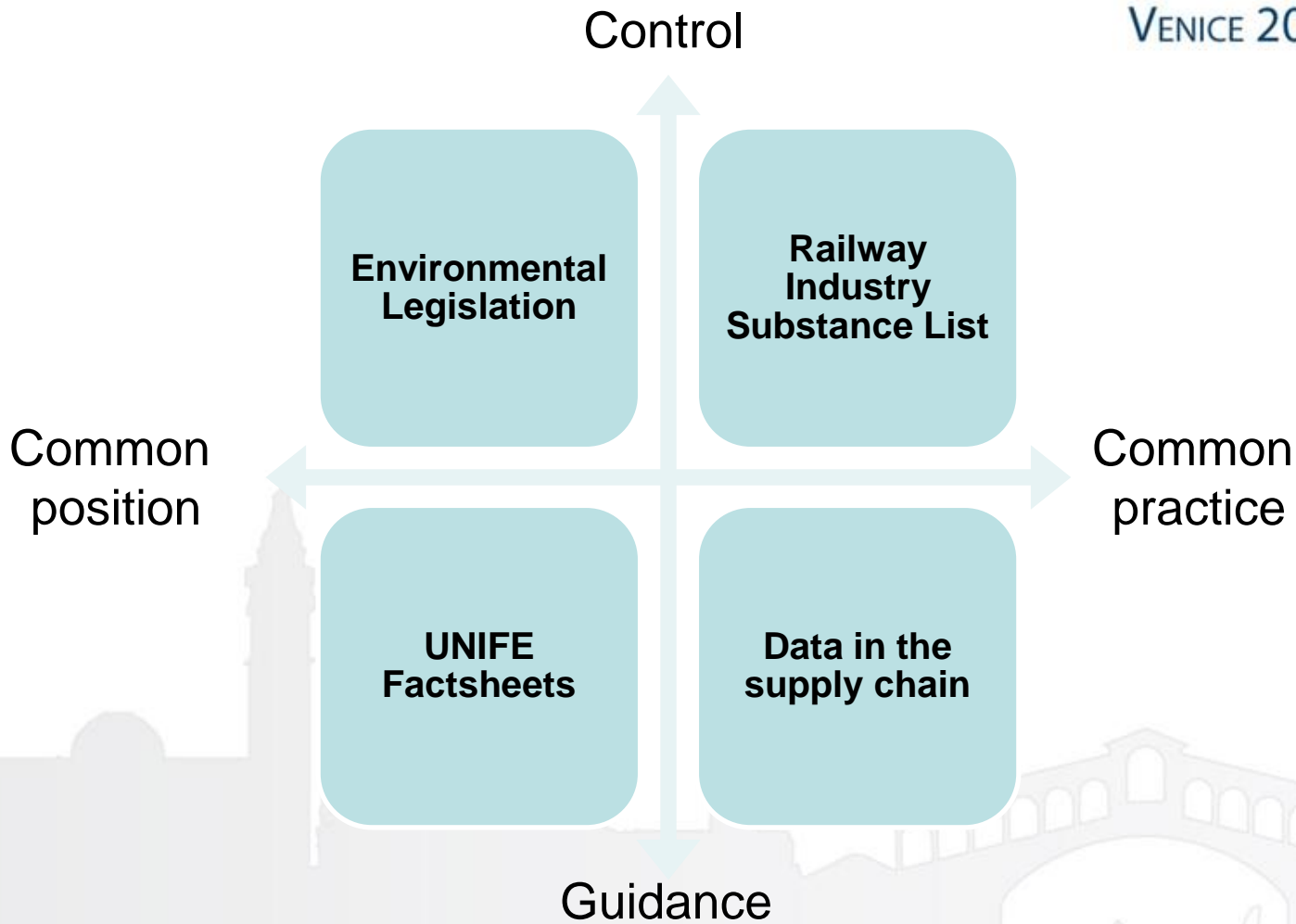
ALSTOM

BOMBARDIER
the evolution of mobility



SIEMENS

Focus areas



Legislation Overview



End-of-Life
Batteries



Substances
Mixtures &
Articles

Energy Using
Products



Substances in
packaging

Waste electronics



Substances in
electronics

29-Oct-12

Railway Industry Substance List



Substance	EINECS Number	CAS number	UNIFE CATEGORY	Controlled applications	Legislation References
1,1,1,2-Tetrachloro-2,2-difluoroethane Synonyms: R 112, CFC 112		76-11-9	P(AR)	All applications	CH SR 814.81 Annex 1 - Specific substances CH SR 814.81 Annex 2 - Groups of preparations and articles
1,1,1,2-Tetrachloroethane		630-20-6	P(AR) D(IFA)	P(AR) in diffuse applications such as surface cleaning D(IFA) in all other applications Germany, Switzerland: P(AR) in all applications, except for closed systems in industrial processes	REGULATION (EC) No1907/2006 - Annex XVII (36.) CH SR 814.81 Annex 1 - Specific substances CAN NPRI for 2010 - Schedule 1 Part 1 Group 1 Substances US 40 CFR Ch. (7-1-10 Edition) #372.65(a)
1,1,1-Trichloroethane Synonyms: Methyl chloroform, Solvent 111, 1,1,1-TCE		71-55-6	P(AR)	All applications	REGULATION (EC) No1907/2006 - Annex XVII (39.) CH SR 814.81 Annex 1 - Specific substances CH SR 814.81 Annex 2 - Groups of preparations and articles REGULATION (EC) No 2037/2000 - OzDS CAN Toxic Substances List - Schedule 1 from 2011-05-01 (15.) US 40 CFR Ch. (7-1-10 Edition) #372.65(a)
1,1,1,2-Tetrachloroethane		79-34-5	P(AR) D(IFA)	P(AR) in diffuse applications such as surface cleaning D(IFA) in all other applications Germany, Switzerland: P(AR) in all applications, except for closed systems in industrial processes	REGULATION (EC) No1907/2006 - Annex XVII (35.) CH SR 814.81 Annex 1 - Specific substances CAN NPRI for 2010 - Schedule 1 Part 1 Group 1 Substances US 40 CFR Ch. (7-1-10 Edition) #372.65(a)
1,1,2-Trichloro-1,2,2-trifluoroethane Synonyms: 1,1,2-trichlorotrifluoroethane; R 113; CFC 113		76-13-1	P(AR)	All applications	CH SR 814.81 Annex 1 - Specific substances CH SR 814.81 Annex 2 - Groups of preparations and articles REGULATION (EC) No 2037/2000 - OzDS CAN Toxic Substances List - Schedule 1 from 2011-05-01 (4.) US 40 CFR Ch. (7-1-10 Edition) #372.65(a)
1,1,2-Trichloroethane		79-00-5	P(AR) D(IFA)	P(AR) in diffuse applications such as surface cleaning D(IFA) in all other applications Germany, Switzerland: P(AR) in all applications, except for closed systems in industrial processes	REGULATION (EC) No1907/2006 - Annex XVII (34.) CH SR 814.81 Annex 1 - Specific substances CAN NPRI for 2010 - Schedule 1 Part 1 Group 1 Substances US 40 CFR Ch. (7-1-10 Edition) #372.65(a)
1,1-Dichloroethane Synonyms: 1,1-dichloroethylene; Vinylidene chloride		75-35-4	P(AR) D(IFA)	P(AR) in diffuse applications such as surface cleaning D(IFA) in all other applications Germany, Switzerland: P(AR) in all applications, except for closed systems in industrial processes	REGULATION (EC) No1907/2006 - Annex XVII (38.) CH SR 814.81 Annex 1 - Specific substances CAN NPRI for 2010 - Schedule 1 Part 1 Group 1 Substances US 40 CFR Ch. (7-1-10 Edition) #372.65(a)

Railway Industry Substance List

- Developed specifically for the railway industry
- Defines substances as Prohibited or Declarable according to European and International legal requirements
- A single common substance list to replace the variety of company specific lists
- Includes “REACH substances”:
Candidate List of SVHCs, Annex XIV, Annex XVII & Appendices (1-6 or 8)
- Next step is to provide guidance on typical use to aid compliance activities

GOAL:

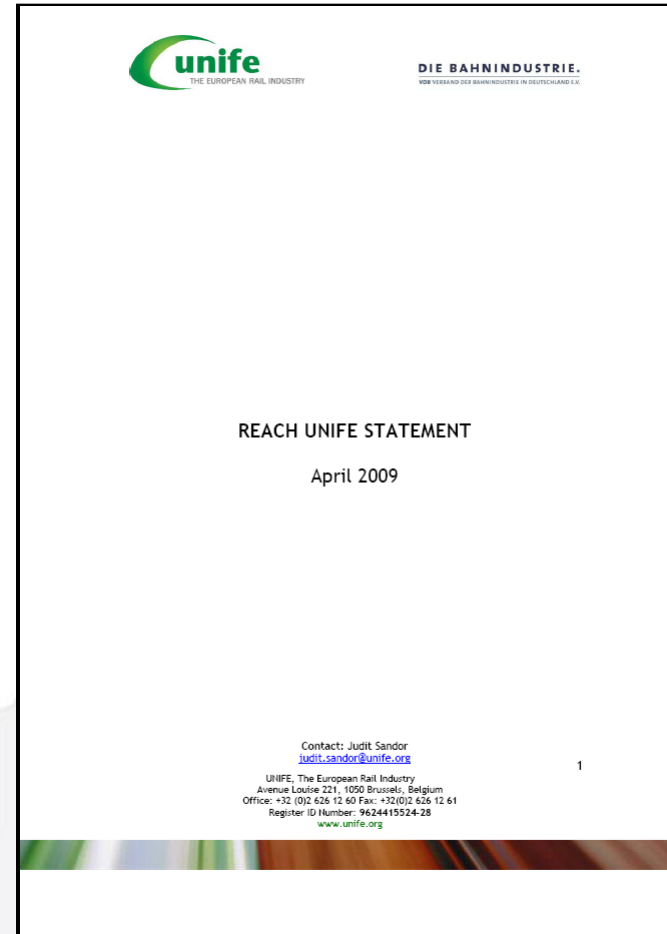
- Common controls
- Supply chain guidance

REACH Factsheets



UNIFE REACH Statement

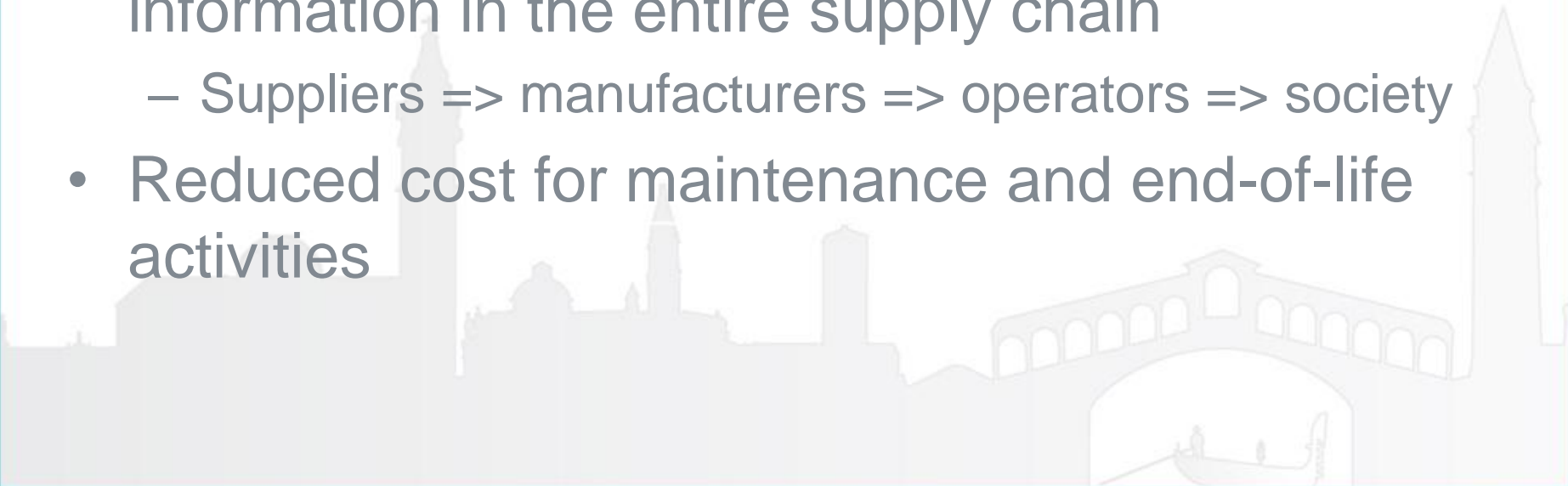
- Basic overview of the REACH regulation
- Details specifics for the Rail Industry, eg “substances intended to be released”



Benefits for sector



- Control the composition of products
 - Providing proof for environmental legal compliance
 - Base information required for further assessment
- Transparency and harmonized flow of information in the entire supply chain
 - Suppliers => manufacturers => operators => society
- Reduced cost for maintenance and end-of-life activities





Thanks for your attention!

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