

# 12<sup>th</sup> UIC Sustainability Conference



Energy&Co2 parallel session

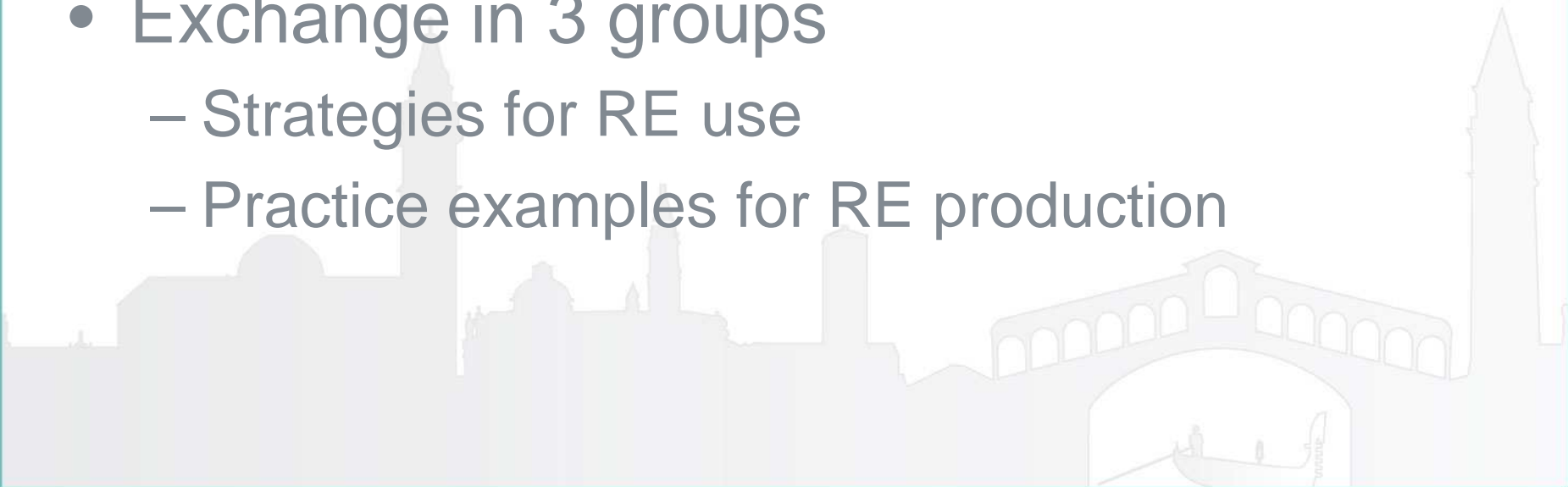
26 October 2012  
Results



# Railways & Renewables



- Introduction / Expectations
- Input: RE Use (Ulrich Ostermeyer)
- Input: RE Production (Pascale Heylen)
- Exchange in 3 groups
  - Strategies for RE use
  - Practice examples for RE production



# Railways & Renewables



To be differentiated:

- Renewable energy use / procurement
- Renewable energy production on railway infrastructure
- Expectations from UIC:
  - Common guidelines for „green certificates“.
  - Exchange of good practice examples.

## Exchange Session: Group VERONICA

### BELGIUM

- RE Production: SNCB buys its electricity from Infrabel, so they depend on the RE projects of Infrabel.
- RE STRATEGY: No one and they are not thinking on having one

### ITALY

- RE STRATEGY: under evaluation
- RE Production: at the moment solar production for WS

### RUSSIA

- RE STRATEGY: no-one, but studying European case
- RE Production: no-one but studying

### EAST JAPAN

- At the moment only En. Efficiency measures in place



### Expectation regarding RE Procurement

- Guidelines needed for accounting and reporting of Zero Carbon products
- Guidelines needed for the exact calculation of CO2 emission factors

### Expectation regarding RE Production

- Case studies needed
- Cost /benefit analysis information needed
- Information on the balance between energy RE produceable and energy needed for train traction (different scale of orders)

Expectation out of topic from ITALFERR:  
Needs of common and harmonized guidelines at international/European level on the accounting and reporting of carbon footprint of the building phase

## Exchange Session: Group ULI



### NORWAY

- RE Strategy: Policy for green procurement
- No customer interest in green product
- Use of GoO (Guarantee of Origin) + additional requirements
- RE PRODUCTION: 100% hydro power

### THALYS

- Electricity provided by SNCB and SNCF
- no own RE strategy

### NS

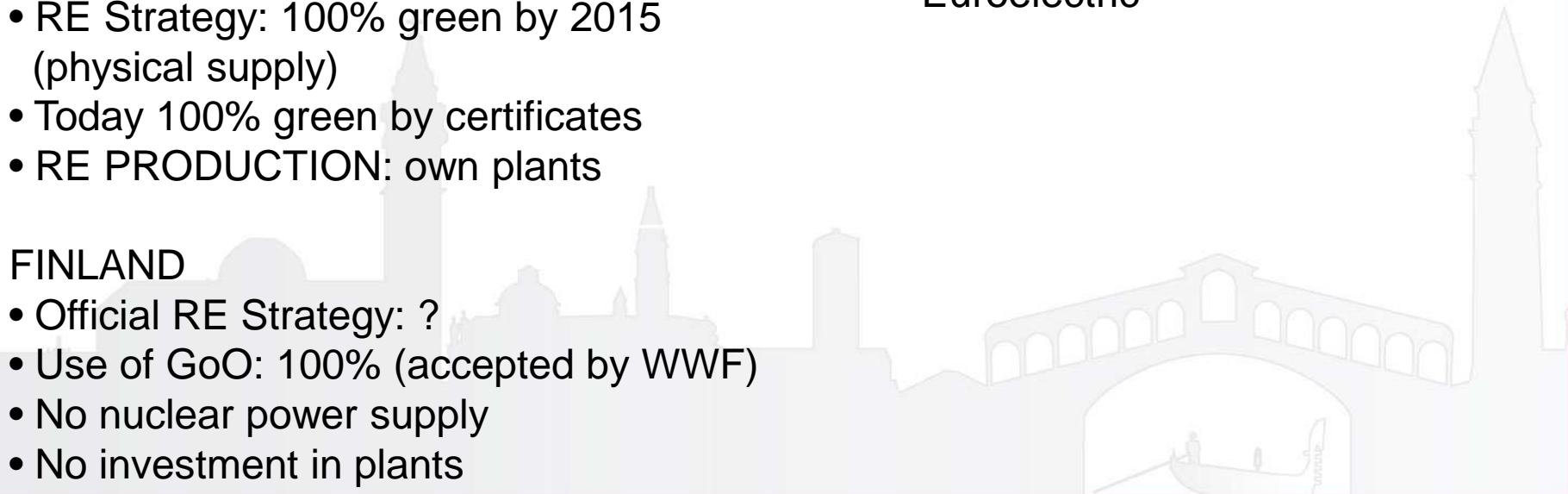
- RE Strategy: 100% green by 2015 (physical supply)
- Today 100% green by certificates
- RE PRODUCTION: own plants

### FINLAND

- Official RE Strategy: ?
- Use of GoO: 100% (accepted by WWF)
- No nuclear power supply
- No investment in plants

### Expectation regarding the UIC zero carbon project :

- Suppliers need to be involved
- Clarify content of existing cooperation between CER and Euroelectric



## Exchange Session: Group MARKUS

### SWEDEN

- RE Production: Heat storage for workshops

### NETHERLANDS

- RE Production: Geothermal heat + Heat pumps

### ITALY

- Solar production for workshops

### GERMANY

RE Procurement: Reputation discussion

### SWITZERLAND

- RE Strategy: focus on energy saving, aim: 100% renewable by 2025

### DENMARK

- RE Procurement: Reputation discussion on RECS

### BELGIUM

- Objectives to rise share of renewables, but cost issues



EXPECTATIONS: sharing of experiences in Renewable Energy Engagements

