

The background of the slide is a photograph of the Hungarian Parliament Building in Budapest at dusk. The building is illuminated with warm lights, and its reflection is visible in the Danube River. The sky is a deep blue, and the city lights are visible in the distance.

# WG C: Standards

**ARGE Conference  
Budapest, 5 September 2013  
Pierre Vilain**

## WG C: Standard Issues AGENDA

- Members of WG C
- WG C Activities completed since the last Conference
- Generic branch EPDs for ARGE Members

## Members of ARGE WG C

- Alessandro Brunelli (Italy)
- Susanne Bushmann (Germany)
- Paul Duggan (UK)
- Heinz-Eckhard Engel (Germany)
- Jukka Sadinmaki (Finland)
- Joachim Kieker (ARGE)
- Herbert Mate (Austria)
- Arjen Koole (Netherlands)
- Markus Kornhofer (Austria)
- Martial Schneider (France)
- Inge Liden (Sweden)
- Michele di San Geronimo (Sweden)
- Stephan Schmidt (Germany)
- Marijn Van der Wal (Netherlands)
- Philippe de la Croix (France)
- David Whitworth (UK)
- Pierre Vilain (France)

**New (active) Members  
are welcome!**

## Main activities of ARGE WG C since the last Conference

- 3 meetings (Dec 2012, Apr 2013 and June 2013)
- 3 quaterly technical reports from A.Brunelli
- Follow-up about CPR
- DoPs Templates
- FAQ section included in ARGE Homepage a about practical questions that people can ask about CE marking, CPR, guidelines,...
- Generic branch EPDs Project



## What is an EPD?

- Stands for Environmental Product Declaration
- Standardized way of quantifying the environmental impact of a product or system.
- Declaration include information on:
  - The environmental impact of raw material acquisition
  - Energy use and efficiency
  - Content of materials and chemical substances
  - Emissions to air, soil and water
  - Waste generation.
- The main part for creating the EPDs is the PCR writing: Product Category Rules which will define the requirements and also the number of EPDs needed for a Product Category
- In some EU Countries, EPDs are more and more requested by the Market.



## Main Steps already completed:

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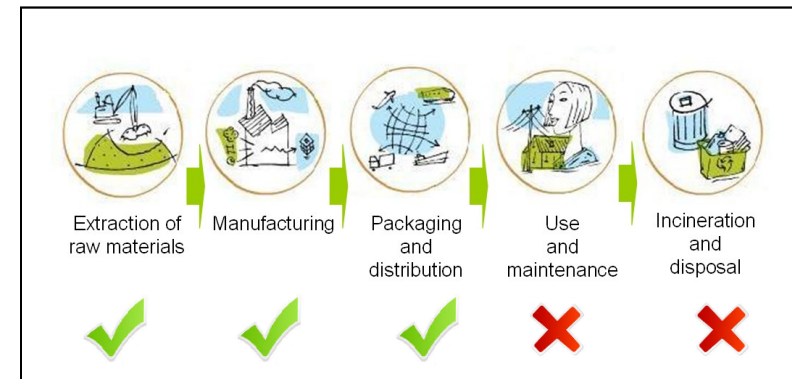
- September 2012: Decision to go for Project Feasibility
- December 2012: Project Road Map decided
- January 2013: Questionnaire sent to member associations to obtain their Product Category requirements.
- April 2013: Frame of a Tender set up, as well as potential bidders
- June 2013: List of Product Categories reviewed.
- Mid July 2013: 4 Tenders sent to EuGeoS, CETIM, PE International and BRE.
- Beg August 2013: 3 Offers received
- August 2013: first Analysis completed and further questions asked to the Bidders

*Main ARGE Actors so far: David Whitworth,  
Joachim Kieker and Pierre Vilain*

## Main Drivers

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- Minimum cost
- Pragmatic and simple approach
- PCRs and EPDs from Germany Fachverband available to be reused.
- EPDs complying with EN 15804, from Cradle to Gate (A1 to A3)
- EPDs to be endorsable by each National Program Holders through ECO or other means; **acceptance Europe-wide**
- Timeline
- Clear Pricing proposal including a maximum amount, taken in account various number of EPDs



## Suggested Project Process

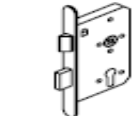
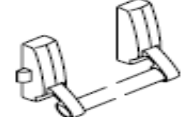
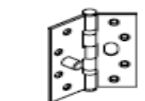

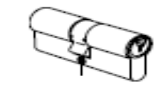

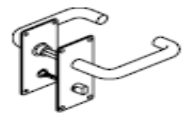
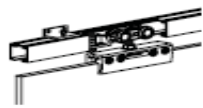
- **Step 1: Definition of study boundaries**
  - ✓ Meetings with ARGE members
  - ✓ *Deliverables: Product Families and Groupings to prepare PCR writing*
- **Step 2: Selection of Program Holder**
  - ✓ Assessment of the costs linked to the Program Holder
  - ✓ *Deliverables: Proposal of a Program Holder with their EPD layout and costs.*
- **Step 3: PCR writing**
  - ✓ Meetings with ARGE members
  - ✓ Reuse the inputs from German PCRs and others if available (Most probably based on the material weight)
  - ✓ *Deliverables: PCR for all the Products*
- **Step 4: Collection of LCA data**
  - ✓ Definition of data to be collected within ARGE Companies
  - ✓ Collecting relevant input data
  - ✓ *Deliverables: average LCA data*
- **Step 5 (optional): Common EPD writing for one pilot Product Family**
- **Step 6 (To be estimated per Product Families or per EPDs): EPD writing and certification for all the Product Families**

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## Product Categories considered

		steel	stainless	aluminium	brass	plastic	zamak
1. Locks		•					
2. Panic exit devices		•					
3. Hinges		•	•				•
4. Window fittings		•					•
5. Locking cylinders					•		
6. Door closers		•		•			
7. Door or window handles			•	•	•	•	•
8. Sliding door gear		•	•	•			

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## Summary of the Offers

- 3 Offers received from:
  - ✓ EuGeos (UK)
  - ✓ CETIM (France)
  - ✓ PE International (Germany)
- All the 3 offers are very comprehensive and documented.
- EuGeos is the most expensive, and might not be considered for the further steps.
- PE Int. seems to be the best placed at the moment, possibly thanks to their previous experience with German Fachverband Association.
- Delivery Time for EPDs about 18-24 Months
- Difficult to get a fixed cost at the beginning of the Project, prior to PCR definition.
- Estimated overall Cost: 100-150 k€ for 8 EPDs, plus 10k€ annual fees for the Program Holder
- Pending questions to be asked to CETIM and PE International: Understanding of actual content of step 6 (EPD writing for all the Product Families), maximum overall Price,...

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## Possible ARGE Financial Model

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- The overall Cost of the Project would be split between each participating ARGE Member (Pricing Key to be agreed)
- Formal financial Commitment would be set up through a Contract between ARGE and the participating Members, prior to engage the Project.
- Upfront fees would have to be paid for deposit
- Each participating ARGE Member would be free to manage their EPD supply Policy to ARGE Companies withing their Country.



## Next Steps

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- Sept 2013: Finalization of Offers, Meeting with Tenders to clarify the Process and possible Options (First phase till Pilot EPD with one Product Category, Second phase for the rest of the EPDs Production?)
- End Sept 2013: Project data to be sent to ARGE Members:
  - Proposed preferred Bidder
  - Content of the Offer and adopted Process
  - Overall Cost and Timing
  - Proposed ARGE Financial Model
- End Oct 2013: Decision Go/No Go from each ARGE Member
- Nov 2013: Project Start up with the selected Consultant
- Mid 2015: Generic branch EPDs available for ARGE Members



**Thank You for  
your attention !**

