



An open International Data Network? – Harmonization of LCA databases for Sustainable Building

Special Session

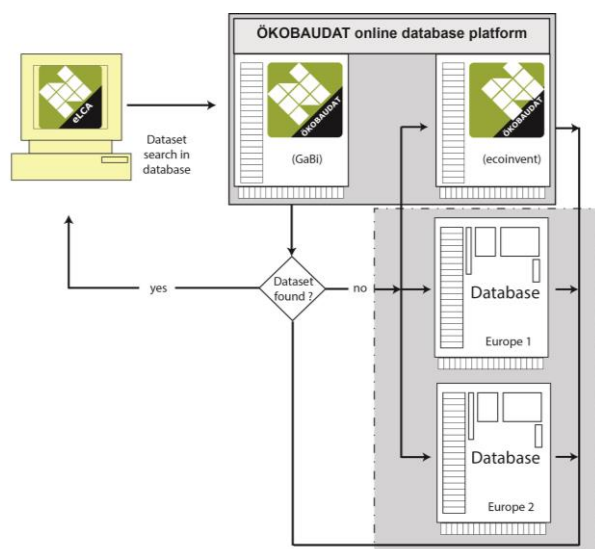
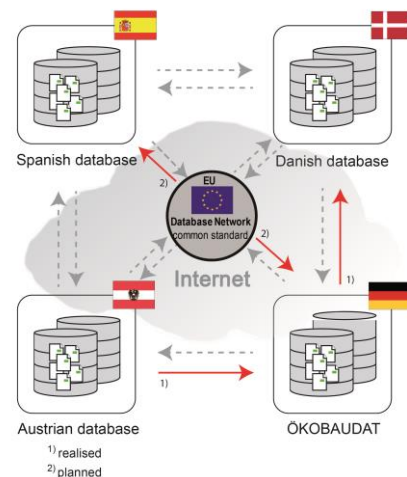
Tuesday, 8th March, 2016

14:00 pm – 17:30 pm, Room 2.015

The Life Cycle Assessment LCA at building level is a central instrument for the evaluation of sustainable construction. The basic material data are given in environmental product declarations (EPD) which in some states are organized in databases. A basic open source structure for online-use has been developed which allows transferring EPD/LCA data and link databases with the aim to share information of such data from different sources.

Within the Special Session the following aspects will be presented and discussed:

- Need and interest for harmonization activities on LCA data for sustainable building
- Development of an infrastructure for EPD/LCA data exchange for sustainable building
- Experience with existing infrastructure and EPD/LCA data transfer



An open International Data Network? - Harmonization of LCA databases for Sustainable Building¹

Special Session, 8th March, 2016, 14:00 pm - 15:30 pm and 16:00 pm – 17:30 pm, Room 2.015

Chair: *Chris Hamans, European Sustainability Consulting*

14:00 pm - 15:30 pm Session Part I – State-of-the Art and requirements for harmonization and networking of LCA data for Sustainable Building

1. **Introduction – An open International Data Network – WG InData and the principal approach**
Tanja Brockmann, Dr.-Ing.; Federal Institute for Research on Building, Urban Affairs and Spatial Development, Germany
2. **Standardization – the need for harmonization activities on LCA data for sustainable building**
Dieter de Lathauwer, Federal Public Service of Public Health, Service Product Policy, Belgium
3. **Towards a European Data Network for Construction Product EPDs**
Oliver Kusche, M.Sc.; Freelance Consultant okworx digital solutions, Germany
4. **Implementing European harmonized EPD**
Eva Schmincke, Dr.; thinkstep, Germany
5. **The Experience**
 - **Infrastructure and online implementation of LCA data in BNB (ÖKOBAUDAT, eLCA)**
Tanja Brockmann, Dr.-Ing., Federal Institute for Research on Building, Urban Affairs and Spatial Development, Germany
 - **The Experience of data import and export as EPD program operator**
Burkhard Lehmann, Dr.; IBU - Institut Bauen und Umwelt e. V., Germany
 - **Rules and verification processes**
Hildegund Mötzl, M. Sc.; IBO – Austrian Institute for Healthy and Ecological Building, Austria
 - **Linking of Databases (OpenDap)**
Josè A. Tenorio, Ph.D.; Section Head – Quality in Construction CSIC, Spain
 - **EPD and use of external data for building calculation in Denmark**
Mathias Høeg; Danish Technological Institute, Denmark

Discussion and Summary

Chair *Chris Hamans, European Sustainability Consulting*

Coffee break

16:00 pm - 17:30 pm Session Part II – Practical applications, experience and ongoing activities for harmonization and networking of LCA data for sustainable building

6. **Can Internet of Things (IOT) change everything? Future for LCA.**
Håkon Hauan, EPD-Norge Norwegian EPD Foundation, Norway
7. **Materials environmental performance data for building level assessments – UK perspective**
Owen Abbe, Ph. D.; BRE Centre for Sustainable Products, United Kingdom
8. **Need for joint activities (results and approach of WG InData)**
Josè A. Tenorio, Ph.D.; Section Head – Quality in Construction CSIC, Spain

Discussion and Summary

Chair *Chris Hamans, European Sustainability Consulting*

¹ All presentations are given by members of the international Working Group “International open Data-Network for Sustainable Building” (WG InData).