

Date and Time : 11/1 (Tue.) 8:50-10:30

Title: Sustainability visualization software and its role toward 2050 net-zero carbon

With an ever-growing pressure for businesses to move toward net zero carbon in 2050, demand for sustainability visualization software is rapidly increasing. Historically, LCA and Scope 3 calculations have been limited to a small number of LCA practitioners and a handful of niche software providers. However, the situation has changed significantly since the corona crisis. The conventional LCA software market is combined with the carbon management software market, transforming into a highly competitive market with various software providers increasing, if not every day. The software market roughly consists of two groups: the conventional LCA software catching up with cutting-edge digital technology and the second is the new providers with a more digital technology background but less experience in sustainability.

This session will introduce the efforts of both conventional and new software providers through short presentations and then discuss the current challenges and prospects of sustainability visualization software. The session will cover a wide range of topics from Scope 3 assessment to product carbon footprint, sharing datasets over different networks, data quality, multicriteria and LCA databases. This session aims to deepen the understanding of various stakeholders so humanity can visualize and share unbiased views of its activities and accelerate its road toward sustainable decarbonization.

**Time: 8:50-8:55**

**Name:** Koichi Shobatake

**Organization:** TCO2 Co. Ltd.

**Title:** Opening remarks

**Time: 8:55-9:05**

**Name:** Eric Mieras

**Organization:** PRé Sustainability

**Title:** Increasing impact of LCA results through flexible visualization.

**Abstract:**

Credible and trustworthy information on the environmental impact of products, services and organizations is key. Companies and other organizations need this for decision making to become more sustainable. While LCA practitioners know the value of this information and understand the importance of the quality of the data, for many end users the usability is more important. That is what they see and work with, that is what helps them to understand the output, that is what they share with others when making the actual decisions. Thus, sharing the results in a visual way that not only appeals to the audience, but that also puts it in the relevant context is crucial. In this presentation examples of visualization that focus on specific audiences and applications will be shared, to show how visualization can be used in a flexible way to increase the impact of the LCA results.

**Time: 9:05-9:15**

**Name:** Ken Yamagishi, Saki Sunaga, Masayuki Kanzaki,

**Organization:** Sustainable Management Promotion Organization (SuMPO),

**Title:** Introduction of questionnaire results for the development of LCA software MiLCA

**Abstract:**

The Sustainable Management Promotion Organization (SuMPO) develops and sells its own LCA software, MiLCA. SuMPO conducted a questionnaire for MiLCA development in September 2022. This presentation introduces the results.

**Time: 9:15-9:25**

**Name:** Tomoko Konishi-Nagano

**Organization:** Fujitsu Limited

**Title:** Fujitsu's Carbon-Neutral initiative and the trust service to cross-company data exchange in the supply chain

**Abstract:** In this presentation, we will introduce Fujitsu's Carbon-Neutral initiative and a

block chine's trust service for data exchange of CO2 emissions in the supply chain across companies. This service is in the process of verifying the data exchange of CO2 across the supply chain through the data linkage demonstration of the Data Visualization Project (which involved more than 100 companies as of August) of the JEITA Green x Digital Consortium. In addition, Fujitsu, as the leader of the Technical Spec Team in the Project, has worked on a preparation of demonstration project for building a platform for visualizing CO2 emissions throughout the supply chain.

**Time: 9:25-9:35**

**Name:** Yoichi Sakamoto

**Organization:** Zeroboard Inc

**Title:** GHG emissions calculation and visualization cloud service "zeroboard"

**Abstract:**

"zeroboard" is a reliable, easy-to-use and scalable GHG emissions calculation and visualization cloud service. "zeroboard" calculates and connects both Corporate GHG emissions and Carbon footprint. We will introduce how it works.

**Time: 9:35-10:30**

**Moderator:** Koichi Shobatake, TCO2 Co. Ltd.

**Panelist:** Presenters of this session

**Panel Discussion Topics:**

1. The linkage between scope 3 assessments and product carbon footprint
2. Assessment methodology consistency issues (PCR, regional standards, background LCA database etc.)
3. Data Quality Assurance
4. Primary data sharing and escrowing confidential information
5. Moving from reporting/accounting to managing and driving change
6. Addressing other impact areas/trade-offs
7. Other