



17th International Input-Output Conference

TITLE: EVENT LCA -REDUCTION OF ENVIRONMENTAL IMPACTS THROUGH ENVIRONMENTAL COMMUNICATION AMONG STAKEHOLDERS

AUTHORS: ITSUBO, NORIHIRO ;

EMAIL: itsubo-n@yc.musashi-tech.ac.jp

COUNTRY: JAPAN

KEYWORDS: ENVIRONMENTAL IMPACTS ; ENVIRONMENTAL COMMUNICATION ; STAKEHOLDERS

PAPER CONFERENCE CODE: 259

FULL PAPER IN CD?: NO

ABSTRACT:

A number of events aimed at the elevation of environmental consciousness have been taken place recently. Events with a lot of people are expected as useful opportunity sharing the environmental information and promoting actions for environment. Carbon offset is considered as an effective way to fulfill the above expectations. Many of them including the Torino Olympic, FIFA world cap and Lake Toya summit adopted this to realize carbon neutral. According to the survey of these researches, the following problems can be raised. > Quickness of analysis: The temporary result should be informed on the day of the event in order to promote environmental communication. > Comprehensiveness of analysis: A huge number of items like accommodation, diet, facilities, water, security service, printed materials will be used in an event. However, some of previous studies only include selected items like transportation, electricity and gas. The scope of LCA should cover as far as possible in order to avoid underestimate the result. > CO₂ or other items? Most of previous studies are only focused on the emission of carbon dioxide. In general, CO₂ is one of the item considered in LCA. Many of the other items such as water consumption, resource consumption should be included depending on the aim of LCA. The solutions to these above problems are required. Applying LCA infrastructure based on IOA to the evaluation of event can be expected for the settlement. We assessed several events including Tokyo marathon 2008, campus festival and golf tournament based on hybrid LCA using both inventory data obtained by input-output analysis and process analysis. With the case studies, the characteristics and future perspectives of event LCA are discussed in this presentation.