



Toward the Design of a Generic Model of Interoperability for SIEC - SIEC: Eco-design Information System

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Résumé en anglais	<p>Faced with the need to take into account environmental impacts, life cycle analysis (LCA) should emerge as an engine for innovation and eco-design. It is clear that there are many barriers to their deployment. There is thus a need for tools to facilitate their integration in business projects. These LCA tools must be compatible with different existing information systems. In addition, it is also necessary that the coupling of the different data sources helps to make decisions. This article shows the requirements of the company ACV Plus in terms of interoperability and HCI (Human-computer Interaction) in order to make its Siec software easily adaptable to various business sectors. Different peripheral tools have been developed to define data exchange formats and meet specific needs. This research aims to develop a generic bus in order to have easier process maintenance and avoid costly development for each new situation. Two PhD thesis have focused on the HCI aspects and on interoperability aspects. More generally, our project aims to develop a new system with interoperable design and management tools that can help any customer in the definition of its environmental projects and eco-design.</p>
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