## Developing an LCA software in Hungary for a more sustainable production

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## ABSTRACT

In Hungary the first steps of LCA application can be observed. Companies and researchers – using any kind of software developed in other countries – could get false results because of the difference in the energy industry, namely these data appoint non-Hungarian statements.

The objectives of the project are to establish a fundamental online database of LCA compatibility with international softwares (the research based on the most popular LCA softwares: SimaPro, GaBi), creating normalization data, respecting domestic specialities. Our investigation aims the area of energy- and waste management.

This database can help designing from the aspect of environment, easier availability of objective environmental assessment contributing to the use of principles of sustainable development and the development of environmentally sound products and technologies.

We have classified the domestic power plants on the basis of applied technology and energy sources, and compiled a questionnaire regarding to the different types. But data collection presents some difficulty.

Complex analysis of electric- and electronic equipment would be another important scope of the system. And we would like to popularize the LCA application for the small and medium sized enterprises. Domestic database can be used in education and research, and enables widely usage of the data.