

# **EID ToolBox Quick User Guide**

Industrial Area Information Management System

## Brief description of the tool

The Industrial Area Information Management System (IAIMS) is a consolidated information system for industrial area management, environmental and safety staff in companies, as well as public authorities, to facilitate the implementation of the Eco-Industrial Development (EID) approach in an industrial area.

## Aim of tool

- Describe in more detail the purpose of the tool
- Use bullet lists, where appropriate

## Content of tool

The IAIMS houses the relevant data of as many companies as possible in order to implement the Eco-Industrial Development (EID) approach in an industrial area. Out of these data the Information System can then generate consolidated reports. In the Philippines, where the tool was developed the data and information within the Information System was based on self-monitoring reports. Other sources would be feasible in other contexts. The structure of the Information System reflects the structure of the reports required by the Philippine authorities. The IAIMS contains the following types of information and data:

- Data on the environmental performance of the area as a whole and of single companies.
- Information relevant for industrial disaster risk management, e.g. information on transport, storage and use of hazardous substances.
- Information on the production, storage and transport of all kinds of wastes.
- Information on quantity and quality of resource use (e.g. raw materials, water, energy etc).

## Most important steps

Provide a very brief overview of how the tool is used

## Description of steps

- Identification of existing data, reporting formats, requirements of the industrial area management, the environmental authorities and the companies,
- Design of the database according to the prevailing report format; database should provide as many standard data as possible (e.g. names of industrial areas, list of hazardous substances etc.) in order to avoid input mistakes.
- Design of the consolidated reports according to the requirements of the important stakeholders

- Execution of introductory workshops and consultations for the various user groups at the earliest possible stage in order to properly adapt the concept.
- Build Central Database according to the Design Specifications
- Develop consolidated reports according to the Design Specifications

## Sequence of application to achieve tool's goal

There is no specific order in which the implementation steps should be performed. For example, in the Philippines, where the tool was developed, the data and information within the Information System was based on the self-monitoring reports required by the Philippine authorities, so the structure of the Information System was designed after the structure of the reports.

## Estimation of required resources

### Time

Provide an estimate of the minimum and maximum duration required to implement the tool.

### Funds

Provide any financially relevant information, particularly the cost to implement the tool, possible sources of funding and Return On Investment

### Expertise

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- Mr. Herbert Narisma (national consultant)
- Lichel Technologies (Philippines) - <http://licheltechnologies.com/>

### Documentation

Further documentation on the Industrial Area Information Management System can be found on the EID Toolkit grid page <http://www2.gtz.de/network/eid-toolbox/tools/gis-industrial-areas.asp>

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