

For more information about SUDOE Interreg program, see
www.interreg-sudoe.eu

For more information about Ecotech Sudoe Project, see
www.ecotechsudoe.eu

For the use of this application dedicated to the ecodesign of an area using industrial and territorial ecology and the download of the related files, see
<http://sudoe.territorialecology.eu>



Technical advice

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Ecodesign of an area using industrial and territorial ecology

This demonstration tool is based on a real experience in progress, located in France, in the SUDOE area. It allows to perform the simulation of the key steps of an industrial ecology approach on a territory in order to improve its environmental footprint.

To protect confidentiality, data have been modified or anonymized. For educational purposes, the positioning of certain actors was emphasized in order to describe postures «type» encountered on other territory. Finally, this tool is intended to raise awareness to industrial ecology approaches and for non-commercial use.



Module 1. Players game

This module allows to simulate and show the player games during the main steps of an industrial ecology approach, and more particularly the kick-off meeting, the face to face meeting with a company to collect data and the face to face meeting to study the feasibility of an synergy between two companies.

Indeed, industrial ecology implementation on a territory needs to understand the relationships between the different actors of the territory targeted and their behavior during different key meetings. So, what better way to simulate these meetings to watch the other players, understand all their relationships and motivations, and then adapt its own strategy and role?



This module consists of several pdf files presented by the figure below.

Facilitators'

- Guide of implementation
- Assessment grid

Players

- General presentation
- Industrial ecology resources

Module 1

- Kick off meeting :
 - Preparation
 - 1 meeting (1 hour), 7 players
 - Debriefing
- 1 summary
- 7 factfiles for stakeholder
- Convocation mail and agenda of the meeting
- 7 bristols

Module 2

- Face to face meeting for data collection :
 - Face to face meeting (30 mn)
 - Debriefing
- 1 summary
- 2 factfiles for stakeholder
- Mail convocation
- 2 bristols

Module 3

- Face to face meeting for feasibility study :
 - Preparation
 - 1 meeting (1 hour), 7 players
 - Analyse
- 1 summary
- 7 factfiles for stakeholder
- Mail convocation and agenda of the meeting
- 7 bristols

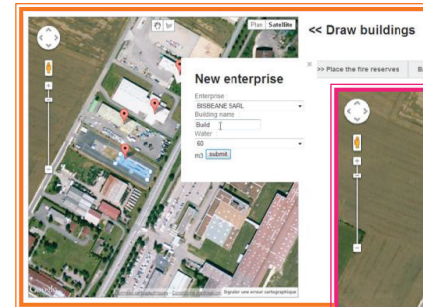
It is necessary to have a time of preparation, both for the facilitators' and for the players.

Module 2. Identification, impact and cost assessment of a synergy

This interactive module is based on the Presteo Software, dedicated to perform the potential synergies, and used for this approach by the real territory. You can use it with a set of existing data in order to identify various types of potential synergies or search wastes, flows, components. A tutorial is provided.



Moreover, this interactive module allows to assess a synergy of mutualization of water storage (additional tanks for fire prevention) between several companies of a same activity zone, with the «Quick Winns» button.



With a web mapping interface, you can use it to your case.



Environmental and cost indicators allow to compare the different scenarios (with and without mutualization).

