



timbre EXPERT SYSTEM as information platform for innovative and widely applicable strategies, technologies and solutions

Type of product	Web-based software
Target group	Consultants, central and local authorities, scientific community
Availability and costs	Free access after registration. Available from March 2014

Purpose: Many approaches and tools are available for supporting brownfield management, but they are only rarely applied due to their scarce visibility. The TIMBRE Expert System aims at supporting stakeholders in sharing, accessing and selecting the most suitable information for the different phases of the brownfield management process, taking into account their specific requirements and the evaluations provided by previous users.

Design and methodology: The Expert System includes a wide database of web links to documents on approaches, tools and regulations for brownfield regeneration. Web links can be uploaded and consulted by the users through a framework encompassing all phases of brownfield regeneration. The system strongly relies on inputs from users, who are invited to provide information about themselves and their search, to upload and share new information, to search the database and to evaluate the outputs provided by the tool. The ranking of provided outputs is supported by an Artificial Neural Network methodology considering a set of criteria, including the typology of user, his/her search aim, information categories of interest and evaluation of documents by previous users.

1 Definition of search aim and information categories

2 Searching and selecting information

3 Evaluating information



Applicability: The tool is applicable to share and search for information on brownfield regeneration in a wide European context. There are no specific/technical requirements for its use.

Value: This is not only a static database; information contents and the ability of the tool to provide tailored results will increase day by day through users' inputs. The Neural Network methodology allows the system to develop continuously and to adapt results along its use.

Availability: Available on the Timbre Tool Suite after registration from March 2014.

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