

Appendix 3 WP5 Questionnaire



LIFETIME

Lifetime Engineering of Buildings and Civil Infrastructures

COMPETITIVE AND SUSTAINABLE GROWTH

LIFETIME WP5

Task 1

Inventory of demonstration programs and projects

DEADLINE FOR THE ANSWER: 28/04/2004

COUNTRY

.....

Name of the National Dissemination Group Leader

First name: Family name:

.....

CONTACTS PERSONS FOR THE PROJECT

Person of the NDG

Name

First name: Family name:

.....

Postal address

Street:

Zip code: City:

Country:

Phone: Fax:

.....

E-mail:@.....

Person of project

Name

First name: Family name:
.....

Postal address

Street:
Zip code: City:
Country:

Phone: Fax:
.....

E-mail:@.....

INSTRUCTIONS FOR USE

Goal

This questionnaire is intended to survey actual national demonstration projects relevant for illustrating the full or partial application of lifetime principles in your country.

Filling procedure: Principle for opinion collection

One questionnaire has to be filled for each demonstration project.

You can go through the documents from fields to fields with the “TAB” key.

→ In any grey field or mm/yyyy, please double click and type text as shown below

Country: FRANCE

→ For the boxes answer, click on the selected box as shown below.

<input checked="" type="checkbox"/>	Office buildings
<input type="checkbox"/>	Housing
<input type="checkbox"/>	Industrial buildings

→ Please, feel free to add any information in the field “OBSERVATION” (if you have difficulties in selecting one of the proposed topics, or if you want to give additional details).

Answer

Once the questionnaire is filled, please rename the file:

- replace the “x” by the country,
- replace the “y” by your name,
- if you have several project descriptions, number the files.

Example: **France_Chevalier_questionnaire1.doc**

Then, return this questionnaire to the WP5 leaders by E-mail at:

jl.chevalier@cstb.fr and julien.hans@cstb.fr

If you do not have E-mail in use, please fax or mail the answer as a paper copy and on a disk to:

Name: Jean-Luc CHEVALIER
Organisation: CSTB
Street address: 24, rue Joseph Fourier
City: Saint-Martin-d’Hères
Zip Code: F-38400
Country: FRANCE

Characteristics of the project

1 – General points:

Designation of the project:

Place (Town, Country):

Owner:

Project manager:

Duration of the construction phase:

Size of the construction phase (number of men...):

Brief description:

2 - State of progress of the project:

<input type="checkbox"/>	“Paper” project according to a brief	
<input type="checkbox"/>	Project planned and ready to be built	Estimated starting date: mm/yyyy
<input type="checkbox"/>	Project in the construction phase	Rough progress status: .. % Estimated end date: mm/yyyy
<input type="checkbox"/>	Project already built	End date: mm/yyyy

3 - Type of construction:



Please select the type of construction and the approximate size of the project.

Note:

- that you can change the unit (For instance: Nr. of rooms, estimated traffic vehicles/day ...),
- that you can add any information in the observation field (size of a dam ...).

<i>Type of construction</i>		<i>Quantity</i>	<i>Unit</i>
Buildings			
<input type="checkbox"/>	Office buildings	.....	m ²
<input type="checkbox"/>	Housing	.....	m ²
<input type="checkbox"/>	Industrial buildings	.....	m ²
<input type="checkbox"/>	Trade and commerce buildings	.....	m ²
<input type="checkbox"/>	Hospitals	.....	m ²
<input type="checkbox"/>	Hotels	.....	m ²
<input type="checkbox"/>	Other .....	.....	....
Civil infrastructures			
<input type="checkbox"/>	Transport facilities and areas (Roads, streets, parking)	.....	km
<input type="checkbox"/>	Transport facilities and areas (Railways)	.....	km
<input type="checkbox"/>	Transport facilities and areas (Waterways)	.....	km
<input type="checkbox"/>	Transport facilities and areas (Others .....	.....	km
<input type="checkbox"/>	Bridges	.....	m
<input type="checkbox"/>	Tunnels	.....	m
<input type="checkbox"/>	Harbours	.....	....
<input type="checkbox"/>	Dykes	.....	m
<input type="checkbox"/>	Dams	.....	m
<input type="checkbox"/>	Airport	.....	....
<input type="checkbox"/>	Transport terminals	.....	....
<input type="checkbox"/>	Pipelines	.....	km
<input type="checkbox"/>	Landfill sites	.....	....
<input type="checkbox"/>	Underground spaces	.....	....
<input type="checkbox"/>	Energy and telecommunication networks	.....	....
<input type="checkbox"/>	Other .....	.....	....
Industrial infrastructures			
<input type="checkbox"/>	Industrial production facilities and structures	.....	m ²
<input type="checkbox"/>	Mining facilities and structures	.....	m ²
<input type="checkbox"/>	Other .....	.....	....

Observation:

ESTIMATED COST OF THE PROJECT: k€

4 - Fields of Lifetime Engineering covered by the project

Investment planning	<input type="checkbox"/>	Whole life investment economy from the viewpoint of the investor
Lifetime design	<input type="checkbox"/>	Analysis of the requirements of owner/user (e. g. QFD method)
	<input type="checkbox"/>	Whole life costing
	<input type="checkbox"/>	Lifetime usability and functionality and obsolescence analysis and design
	<input type="checkbox"/>	Lifetime performance based design
	<input type="checkbox"/>	Lifetime performance data of materials and products
	<input type="checkbox"/>	Service life planning
	<input type="checkbox"/>	Durability limit states and service life design
	<input type="checkbox"/>	Risk and reliability analysis and control
	<input type="checkbox"/>	User's guide for operation and maintenance of the facility
	<input type="checkbox"/>	Design for changes of use and requirements of use
	<input type="checkbox"/>	Design for reuse
	<input type="checkbox"/>	Multiple attribute decision making (e. g. MADA)
	Lifetime management and maintenance	<input type="checkbox"/>
<input type="checkbox"/>		Lifetime retrofitting/refurbishment planning and execution
<input type="checkbox"/>		"Infrastructural management" (security, cleaning)
<input type="checkbox"/>		Lifetime modernisation planning and execution
<input type="checkbox"/>		Analysis of the requirements of owner/user (e. g. QFD method)
<input type="checkbox"/>		Risk and reliability analysis and control
<input type="checkbox"/>		Predictive assessment of performance and service before and after the repair
<input type="checkbox"/>		Network (=total sample of the managed objects) planning and optimising allocation of resources under the requirements of human requirements, lifetime economy, lifetime ecology and culture
<input type="checkbox"/>		Multiple attribute decision making (MADA)
Recycling technology	<input type="checkbox"/>	Selective demolition for recycling
	<input type="checkbox"/>	Reuse
	<input type="checkbox"/>	Recycling
Ecology	<input type="checkbox"/>	Lifetime economy of the nature (ecology) and lifetime environmental impact assessment technology: energy economy, raw materials economy, environmental impact, loss of biodiversity
	<input type="checkbox"/>	Energy efficiency in use
	<input type="checkbox"/>	Service life data of materials and products
	<input type="checkbox"/>	Environmental impact profile of materials and products
Culture	<input type="checkbox"/>	Cultural heritage of built structures
	<input type="checkbox"/>	Building traditions
	<input type="checkbox"/>	Life style
	<input type="checkbox"/>	Business culture
	<input type="checkbox"/>	Aesthetics
	<input type="checkbox"/>	Architectural styles and trends
	<input type="checkbox"/>	Image

Observation: