### Level(s) test phase survey

#### Introduction to the survey

Thank you for taking part in the Level(s) test phase. The involvement of your test building is important to the future development of Level(s).

As well as the results of your test, the Commission is interested in your experience using Level(s). The aim of this survey is therefore to obtain feedback on testers' experience of using Level(s). Your response to the questions will form part of the Commission's evaluation of the success of the test.

The Commission wishes to obtain feedback on three key aspects of your project's test of Level(s):

- How useful was Level(s) for assessing the buildings performance?
- How did the design of Level(s) support the process of making the assessment?
- How user friendly were the selected indicators and life cycle tools, together with their supporting guidance?

Before completing the survey it is recommended that the questions are reviewed with all those in the project team who have been involved in the test in order to capture the experience and feedback of the team as a whole. It is recommended to save the survey frequently as you complete it, so as not to lose any work. Please make sure to complete section 5 for all the indicators that you have tested.

All testers must submit their surveys in EU Survey at the latest by the 30th September 2019.

If you encounter any problems using EU Survey, please let us know by emailing: jrc-b5-levels@ec.europa.

### 1. Details of the test building project

1.1 Building project name (as submitted in the registration)
1.2 Country
1.3 Name of the person responsible for submitting the survey

Q1.4 Email address
Q1.5 What building type have you tested Level(s) on?
Residential
Office
Mixed use (predominantly office/residential)
Other (please describe below)
If you chose other as a building type, please identify the building uses
Q1.6 Which building professions have been involved in the Level(s) test? for example, architect,
structural engineer, cost consultant, contractors
Please identify the professions of those who have been involved
Q1.7 <u>Is the survey being completing by a team or by an individual professional carrying out the test?</u>
Places shaces only one ontion
Please choose only one option
☐ Team response
Individual response
Q1.8 Please indicate which of the following stakeholders have been involved in the test.
Your choice will reveal questions of relevance to each stakeholder in <b>Section 4</b> of the survey.
Public authorities involved in the test, including as clients and investors in the building.
Private investors and owners of the building asset
Building design and construction professionals involved in the building project
Q1.9 At which project stage have you tested Level(s)?
Please select the relevant stage
Design stage
Construction
Completion and handover
Occupation

Q1.10 Which indicators and life cycle tools have been tested?

Your test choice will generate a set of questions for each indicator and tool in Section 5 of the survey.

#### The Level(s) test minimum reporting requirements

Please select which indicators and life cycle tools, and the highest Level tested

	Level 1	Level 2	Level 3
1.1 Use stage energy consumption	0	0	0
2.3 Construction and demolition waste and materials	0	0	0
3.1 Use stage water consumption	0	0	0
4.1 Indoor air quality	0	0	0
4.2 Time out of thermal comfort range	0	0	0

#### Recommended in addition to the Level(s) test minimum reporting requirements

Please select which indicators and life cycle tools, and the highest Level tested

	Level 1	Level 2	Level 3
1.2 Life cycle Global Warming Potential (GWP)	0	0	0
2.1 Life cycle tool: Building Bill of Materials (BoM)	0	0	0

#### The Level(s) test optional additional reporting

Please select which indicators and life cycle tools, and the highest Level tested

	Level	Level 2	Level 3
2.2 Life cycle tool: scenario 1 - Building and elemental service life planning	0	0	0
2.2 Life cycle tool: scenario 2 - Design for adaptability and refurbishment	0	0	0
2.2 Life cycle tool: scenario 3 - Design for deconstruction, reuse and recycling	0	0	0
2.4 Life cycle tool: Cradle to cradle Life Cycle Assessment (LCA)	0	0	0
5.1 Life cycle tool: scenario 1 – Protection of occupier health and thermal comfort	0	0	0
6.1 Life Cycle Cost (LCC)	0	0	0
6.2 Value creation and risk factors	0	0	0

### 2. Expectations and previous experience

In this first section we would like you to tell us about the **expectations and motivations for using Level** (s) and for taking part in the test. **Previous experience of making sustainability performance assessments** is also of interest to us. Questions aimed at a test team may also be answered by individual testers.

Please make sure to save the survey as you complete it, so as not to lose any work.

### Q2.1 When joining the test phase, what were the general expectations that motivated the use of Level(s)?

Mul	iple answers are possible
	That it would provide information to establish objectives and targets for the sustainability of projects
	That it would provide information to measure whether sustainability objectives and targets have been met
	That it would provide information about the benefits of more sustainable buildings to clients/users
	That it would provide information to avoid future risks (e.g. high carbon tax, high costs of renovation, low occupant satisfaction and therefore high property void rates)
	The possibility to compare a Level(s) assessment with assessments made using existing schemes (e.g. DGNB, HQE, BREEAM etc.) or recent or forthcoming national regulation (e.g. in the Netherlands or France).
	That it would provide information to support benchmarking and comparisons of the performance of different buildings
	Other (please specify)
Plea	se elaborate further on any other expectations and motivations
Q2.2	How would you describe the test team's overall previous experience in making
Q2.2	
Q2.2	How would you describe the test team's overall previous experience in making
Q2.2	How would you describe the test team's overall previous experience in making ronmental or sustainability performance assessments of buildings?
Q2.2	How would you describe the test team's overall previous experience in making ronmental or sustainability performance assessments of buildings?  See choose one option only
Q2.2	How would you describe the test team's overall previous experience in making ronmental or sustainability performance assessments of buildings?  See choose one option only  No previous experience
Q2.2	How would you describe the test team's overall previous experience in making ronmental or sustainability performance assessments of buildings?  See choose one option only  No previous experience  Limited previous experience
Q2.2	How would you describe the test team's overall previous experience in making ronmental or sustainability performance assessments of buildings?  See choose one option only  No previous experience  Limited previous experience  (e.g. minimum energy/Energy Performance Certificate (EPC) requirements)
Q2.2	How would you describe the test team's overall previous experience in making ronmental or sustainability performance assessments of buildings?  See choose one option only  No previous experience  Limited previous experience  (e.g. minimum energy/Energy Performance Certificate (EPC) requirements)  Some previous experience
Q2.2	How would you describe the test team's overall previous experience in making ronmental or sustainability performance assessments of buildings?  See choose one option only  No previous experience Limited previous experience (e.g. minimum energy/Energy Performance Certificate (EPC) requirements)  Some previous experience (e.g. simplified building simulations, comparisons of building materials based on Environmental Product Declarations (EPDs), water use estimates)  Extensive previous experience
Q2.2	How would you describe the test team's overall previous experience in making ronmental or sustainability performance assessments of buildings?  See choose one option only  No previous experience Limited previous experience (e.g. minimum energy/Energy Performance Certificate (EPC) requirements)  Some previous experience (e.g. simplified building simulations, comparisons of building materials based on Environmental Product Declarations (EPDs), water use estimates)

Q2.3 If your team has previous experience of making environmental or sustainability performance assessments, please identify the specific *performance assessment schemes and methods* that the y have used

Please specify which ones and their origin	
Q2.4 If the test followed the minimum scope, what would have encouraged the testing of	f the
other optional indicators and life cycle tools?	
Please briefly explain what would have encouraged additional testing	
3. How Level(s) is designed	
B. How Level(s) is designed	
In this section we are interested in the added value of using Level(s), including the different	
and reporting options made available to building professionals. Questions aimed at a test tea	
In this section we are interested in the added value of using Level(s), including the different and reporting options made available to building professionals. Questions aimed at a test teat	
In this section we are interested in the added value of using Level(s), including the different	

	Not at all	Limited extent	Moderate extent	Great extent	Very great extent	Not relevant to this test
Q3.1 To what extent did Level(s) help you and your team to obtain practical information on the sustainability performance of the test building?	0	0	0	0	0	0
Q3.2 To what extent did Level(s) help you and your team to identify design performance improvement measures?	0	•	0	0	0	0
Q3.3 To what extent did Level(s) help you and your team to set sustainability objectives and targets for the performance of the test building?	•	•	0	0	•	•
Q3.4 If you used Level(s) already in the planning stage, to what extent is the data collected for Level(s) the same as that needed for building permits?	0	0	0	0	0	0

Q3.5 To what extent did Level(s)						
help in focussing on the	0					
monitoring of the actual performance of an occupied						
building?						
<u>bunding:</u>						
Q3.6 If in question 2.2 you said the test					•	
sustainability assessments, to what ex	tent has	s the use o	f Level(s) hel	ped in ge	tting star	ted?
Please choose one option only						
Not at all						
Limited extent						
Moderate extent						
Great extent						
Very great extent						
_ vory groat extent						
Please briefly elaborate on the reasons for	or your r	esponse				
,		•				
Q3.7 Based on the Levels at which you	u chose	to test, to	what extent	did the tes	st team fi	nd the
option to work at the three distinct Lev						
Please choose one option only						
Not at all						
Limited extent						
Moderate extent						
Great extent						
Very great extent						
Please briefly explain your views on the u	sefulnes	ss of the lev	rels			
Q3.8 If Level(s) was tested on a resider	ntial bui	lding, to w	hat extent wa	s it techr	ically sui	table for
assessing this type of building?						
Please choose one option only						

Please briefly explain the reasoning for your response

Not at allLimited extentModerate extentGreat extentVery great extent

w	3.9. Now that you have tested Level(s), please make any suggestions for improvements that buld make it easier to use.
Eı	ncouraging life cycle thinking
ma	evel(s) aims to encourage users to think about the whole life cycle of a building – from the anufacturing of the products and materials used to construct the building, right through to the building's entual deconstruction and re-use and recycle of materials.
СО	evel(s) is designed in a way that users can start by learning about the different necessary steps to induct Life Cycle Assessment (LCA). Having learnt about these different steps, users can then inpefully be more confident to move towards using LCA.
<u>ur</u> 7/	3.9 To what extent did use of indicator 1.2 and/or 'life cycle tools' help provide a better inderstanding of the life cycle of the test building?  The life cycle tools are 2.1 Building Bill of Materials, 2.2 Life cycle scenarios 1-3, 2.4 Cradle to cradle
<i>PI</i> [	CA, 5.1 Future scenarios for climate change.  lease choose one option only  Not at all  Limited extent  Moderate extent  Great extent  Very great extent  the help was moderate or higher, please identify how it helped their understanding
	3.10 To what extent has use of indicator 1.2 and/or the <i>'life cycle tools'</i> has encouraged the team analyse the life cycle of buildings in more depth?
<i>Pi</i> [	Not at all Limited extent Moderate extent Great extent Very great extent

The influence of su	stainability on property market valuations
	2 is on those aspects of a more sustainable building performance that have the sial value or to expose owners and investors to risks and liabilities in the future.
to the indicator 6.2 result	n to be reported for each indicator or life cycle tool indicator that then contributes t. The aim is to highlight whether, for each indicator or life cycle tool, sustainability ve been taken into account in a market valuation, and to provide those making
	ation on the reliability of the underlying data and calculation methods on which a based.
reported performance is  Q3.11 If you made asse	, , ,
reported performance is  Q3.11 If you made asse	based. essments of value and reliability for your test indicators and life cycle tools, assessments provide useful information?
reported performance is  Q3.11 If you made asseto what extent did the a	based.  essments of value and reliability for your test indicators and life cycle tools, assessments provide useful information?
Q3.11 If you made asset to what extent did the a	based.  essments of value and reliability for your test indicators and life cycle tools, assessments provide useful information?
Q3.11 If you made asseto what extent did the a	based. essments of value and reliability for your test indicators and life cycle tools, assessments provide useful information?
Q3.11 If you made asset to what extent did the at the Please choose one option.  Not at all  Limited extent	based. essments of value and reliability for your test indicators and life cycle tools, assessments provide useful information?
Q3.11 If you made assoto what extent did the at the at the attent did the attent at the attent did the attent d	based. essments of value and reliability for your test indicators and life cycle tools, assessments provide useful information?
Q3.11 If you made asseto what extent did the and the analysis of the second control of t	essments of value and reliability for your test indicators and life cycle tools, assessments provide useful information?  on only
Q3.11 If you made assoto what extent did the at the whole at the	essments of value and reliability for your test indicators and life cycle tools, assessments provide useful information?  on only
Q3.11 If you made asset to what extent did the at the whole at the	essments of value and reliability for your test indicators and life cycle tools, assessments provide useful information?  on only

### 4. The value of Level(s) to key stakeholders

In this section we are interested in the value Level(s) has for specific stakeholders who have been involved in the test. It is split into questions for those involved in the test who represent:

- public sector authorities;
- investors and owners of property assets;
- design and construction professionals.

Based on how you answered Q1.8, questions will be provided for representatives of those stakeholders if

The Public Sector
These questions are directed at <b>public sector authorities</b> involved in the test, including as clients or investors in the building.
Q4.1 <u>Based on the test experience, to what extent could Level(s) be of future value in developing</u> new procurement requirements?
Please choose one option only
Not at all
Limited extent
Moderate extent
Great extent
Very great extent
Please specify which features in particular have been of value, or what was missing that could make it more valuable
Q4.2 Based on the test experience, to what extent could Level(s) be of future value in supporting
other public policy initiatives?
Please choose one option only
Please choose one option only  Not at all
Please choose one option only  Not at all Limited extent
Please choose one option only  Not at all Limited extent Moderate extent
Please choose one option only  Not at all Limited extent Moderate extent Great extent
Please choose one option only  Not at all Limited extent Moderate extent
Please choose one option only  Not at all Limited extent Moderate extent Great extent
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent Very great extent Please identify specific initiatives and the features of Level(s) that could be of value, or what was missing
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent Very great extent Please identify specific initiatives and the features of Level(s) that could be of value, or what was missing
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent Very great extent Please identify specific initiatives and the features of Level(s) that could be of value, or what was missing
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent Please identify specific initiatives and the features of Level(s) that could be of value, or what was missing that could make it more valuable
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent Please identify specific initiatives and the features of Level(s) that could be of value, or what was missing that could make it more valuable  Q4.3 In terms of how Level(s) could be used in the future, to what extent could the test experience be applied to the improvement of other public buildings?
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent  Please identify specific initiatives and the features of Level(s) that could be of value, or what was missing that could make it more valuable  Q4.3 In terms of how Level(s) could be used in the future, to what extent could the test experience be applied to the improvement of other public buildings?  Please choose one option only
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent Very great extent  Please identify specific initiatives and the features of Level(s) that could be of value, or what was missing that could make it more valuable  Q4.3 In terms of how Level(s) could be used in the future, to what extent could the test experience be applied to the improvement of other public buildings?  Please choose one option only Not at all
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent  Please identify specific initiatives and the features of Level(s) that could be of value, or what was missing that could make it more valuable  Q4.3 In terms of how Level(s) could be used in the future, to what extent could the test experience be applied to the improvement of other public buildings?  Please choose one option only

they have been involved in the test.

Please make sure to save the survey as you complete it, so as not to lose any work.

Please elaborate on the reason for your response  Q4.4 As a client or investor in the building, to what extent did Level(s) provide information for financial appraisals and risk assessments?  Please choose one option only  Not at all  Limited extent  Moderate extent	de meaningful
Q4.4 As a client or investor in the building, to what extent did Level(s) provide information for financial appraisals and risk assessments?  Please choose one option only  Not at all  Limited extent	de meaningful
Q4.4 As a client or investor in the building, to what extent did Level(s) provide information for financial appraisals and risk assessments?  Please choose one option only  Not at all  Limited extent	de meaningful
Information for financial appraisals and risk assessments?  Please choose one option only  Not at all  Limited extent	de meaningful
Information for financial appraisals and risk assessments?  Please choose one option only  Not at all  Limited extent	de meaningful
Information for financial appraisals and risk assessments?  Please choose one option only  Not at all Limited extent	de meaningful
Information for financial appraisals and risk assessments?  Please choose one option only  Not at all  Limited extent	de meaningful
Please choose one option only  Not at all Limited extent	
Not at all Limited extent	
Not at all Limited extent	
Limited extent	
■ Moderate extent	
☐ Great extent	
Very great extent	
Not relevant to this test	
Please specify what information was useful, or what information was missing that o	
Private investors and property asset owners	
These questions are directed at private investors and owners of the building ass	set who were involved
in the test.	
Q4.5 To what extent did Level(s) provide meaningful information to support f	financial appraisals
and risk assessments?	
Please choose one option only	
Not at all	
Limited extent	
Moderate extent	
Great extent	
■ Very great extent	
Please specify what was useful, or what was missing that could have made it more	'e usetul

Q4.6. If you made an assessment of value and reliability, providing results for indicator 6.2, <u>to what extent did the assessment provide useful information?</u>

Please choose one option only

Limited extent
■ Moderate extent
Great extent
■ Very great extent
Not sure
If you rated its usefulness moderate or higher, please identify how it was useful
Q4.7 In terms of how Level(s) could be used in the future, to what extent could the test experience
be applied to the improvement of other building assets?
Please choose one option only
Not at all
Limited extent
Moderate extent
Great extent
Very great extent
Please elaborate on the reason for your response
Building design and construction professionals
Building design and construction professionals  This question is directed at the designers and construction contractor(s) responsible for the test building. In the case of a completed/occupied building, this will depend on if they are still available and willing to respond.
This question is directed at <b>the designers and construction contractor(s)</b> responsible for the test building. In the case of a completed/occupied building, this will depend on if they are still available and
This question is directed at <b>the designers and construction contractor(s)</b> responsible for the test building. In the case of a completed/occupied building, this will depend on if they are still available and willing to respond.  Q4.8 Taking into account the minimum scope for a test, to what extent did Level(s) provide enough information to decide with your client which sustainability aspects should be addressed
This question is directed at <b>the designers and construction contractor(s)</b> responsible for the test building. In the case of a completed/occupied building, this will depend on if they are still available and willing to respond.  Q4.8 Taking into account the minimum scope for a test, to what extent did Level(s) provide enough information to decide with your client which sustainability aspects should be addressed in the test building?
This question is directed at <b>the designers and construction contractor(s)</b> responsible for the test building. In the case of a completed/occupied building, this will depend on if they are still available and willing to respond.  Q4.8 Taking into account the minimum scope for a test, to what extent did Level(s) provide enough information to decide with your client which sustainability aspects should be addressed in the test building?  Please choose one option only
This question is directed at the designers and construction contractor(s) responsible for the test building. In the case of a completed/occupied building, this will depend on if they are still available and willing to respond.  Q4.8 Taking into account the minimum scope for a test, to what extent did Level(s) provide enough information to decide with your client which sustainability aspects should be addressed in the test building?  Please choose one option only  Not at all
This question is directed at the designers and construction contractor(s) responsible for the test building. In the case of a completed/occupied building, this will depend on if they are still available and willing to respond.  Q4.8 Taking into account the minimum scope for a test, to what extent did Level(s) provide enough information to decide with your client which sustainability aspects should be addressed in the test building?  Please choose one option only  Not at all  Limited extent
This question is directed at the designers and construction contractor(s) responsible for the test building. In the case of a completed/occupied building, this will depend on if they are still available and willing to respond.  Q4.8 Taking into account the minimum scope for a test, to what extent did Level(s) provide enough information to decide with your client which sustainability aspects should be addressed in the test building?  Please choose one option only  Not at all  Limited extent  Moderate extent  Great extent
This question is directed at the designers and construction contractor(s) responsible for the test building. In the case of a completed/occupied building, this will depend on if they are still available and willing to respond.  Q4.8 Taking into account the minimum scope for a test, to what extent did Level(s) provide enough information to decide with your client which sustainability aspects should be addressed in the test building?  Please choose one option only  Not at all  Limited extent  Moderate extent
This question is directed at the designers and construction contractor(s) responsible for the test building. In the case of a completed/occupied building, this will depend on if they are still available and willing to respond.  Q4.8 Taking into account the minimum scope for a test, to what extent did Level(s) provide enough information to decide with your client which sustainability aspects should be addressed in the test building?  Please choose one option only  Not at all  Limited extent  Great extent  Very great extent
This question is directed at the designers and construction contractor(s) responsible for the test building. In the case of a completed/occupied building, this will depend on if they are still available and willing to respond.  Q4.8 Taking into account the minimum scope for a test, to what extent did Level(s) provide enough information to decide with your client which sustainability aspects should be addressed in the test building?  Please choose one option only  Not at all  Limited extent  Great extent  Very great extent  Very great extent
This question is directed at the designers and construction contractor(s) responsible for the test building. In the case of a completed/occupied building, this will depend on if they are still available and willing to respond.  Q4.8 Taking into account the minimum scope for a test, to what extent did Level(s) provide enough information to decide with your client which sustainability aspects should be addressed in the test building?  Please choose one option only  Not at all  Limited extent  Great extent  Very great extent

### Q4.9 To what extent did Level(s) provide meaningful information to support design and specification decisions?

Please choose one option only
Not at all
Limited extent
■ Moderate extent
Great extent
Very great extent
Not relevant to this test
Please specify what information was useful, or what information was missing that could have made it more useful

### 5. Using the test indicators and life cycle tools: minimum requirements

In this section we are interested in the test project team's **experience of using each of the indicators** and life cycle tools selected for testing.

Please complete the set of questions for each indicator and life cycle tool that you have tested (as selected in **Section 1**). Bear in mind that this may require several sessions to complete, and the input of several team members, as each indicator and tool requires a separate set of answers.

Please make sure to save the survey as you complete it, so as not to lose any work. Please also note that the questions are split into three sections, according to the minimum and optional test scope.

#### Indicator 1.1: Use stage energy consumption

#### Q1. To what extent was the indicator or life cycle tool easy and logical to use?

	Not at all	Limited extent	Moderate extent	Great extent	Very great extent	Not relevant to this test
1.1 The guidance for making a common performance assessment provided in the JRC Level(s) documentation	0	•	•	0	0	•
1.2 The calculation method(s) and standards that are specified should be used	0	0	0	0	0	•

1.3 The unit of measurement that is specified should be used	0	0	0	0	0	0				
1.4 <u>The reporting format</u> that is provided in the documentation	0	0	0	0	0	0				
1.5 The suggested <u>calculation tools</u> and reference data sources	0	0	0	0	0	0				
1.6 If used, the <u>Level 2 rules for</u> comparative reporting	0	0	0	0	0	0				
1.7 If used, the <u>Level 3 aspects and</u> guidance notes	0	0	0	0	0	0				
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent Not sure  Q3. To what extent did you encounter a cycle tool?	<ul> <li>Not at all</li> <li>Limited extent</li> <li>Moderate extent</li> <li>Great extent</li> <li>Very great extent</li> <li>Not sure</li> </ul> Q3. To what extent did you encounter any problems in obtaining a result for the indicator or life									
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent  If the problems were moderate or higher,	please i	identify the i	main problem	s encount	ered and,	<u>if</u>				
relevant, how you overcame them or got as	-					_				
Q4. When making the assessment, wer				_						

Please specify useful i	resources from	previous pro	ojects			
Q5. To what extent d	id you already	have acces	s to the requ	uired resul	ts from othe	er assessments of
the building?						
Please choose one op	ntion only					
Not at all						
Limited extent						
Moderate extent						
Great extent						
Very great extent						
Please identify the sou	urce of results to	hat were alre	eady available	<i></i>		
Q6. If you had to obta	ain the standar	ds, data an	d/or tools in	order to n	nake the Lev	vel(s) assessment
how readily available	were they?					
Please answer for eac	ch of the followin	ng aspects				
	Not	Difficult	Some	Easy	Already	Not relevant to
	possible	to	effort to	to	had	this test building
	to obtain	1	obtain	1	l	

	Not possible to obtain	Difficult to obtain	Some effort to obtain	Easy to obtain	Already had them	Not relevant to this test building
6.1 The technical standards used	0	0	0	0	•	•
6.2 The databases used	0	0	0	0	0	•
6.3 <u>Calculation</u> and modelling tools	0	0	0	0	•	•

# Q7. If you had to purchase the standards, data and/or tools, to what extent was their cost a barrier to using them?

	Not at all	One of the factors	The main factor
7.1 The technical standards used	0	0	0

7.2 The <u>databases</u> used	0	•	0	
7.3 Calculation and modelling				
tools	0			
O Harring ald war dagariba the war		.: of the test to		diantawa au
8. How would you describe the pro	evious expe	rience of the test tea	ım with similar in	dicators or
fe cycle tools?				
Please choose one option only				
No previous experience				
Limited previous experience				
Some previous experience				
Extensive previous experience				
9. Based on the previous experien	ice of the tes	st team, <u>to what exte</u>	ent did using this	indicator or
fe cycle tool require additional trai	ning and su	oport?		
Please choose one option only				
Not at all				
Limited extent				
Moderate extent				
Great extent				
Very great extent				
Very great extern				
f additional training and support was i	required plea	se identify the main a	areas where it was	necessary:
Knowledge of standards or methods		iso raoriary are main e	node milet in mae	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Calculation or modelling tool softwar				
<ul> <li>Access to and handling of data sets</li> </ul>				
	•			
Other (please specify)				
Please identify the type of training and	d/or support ti	hat was needed		
110. If possible <u>please provide an e</u>	stimate of the	ne cost and/or time	that were required	d to use this
idicator or tool.				
Please record estimates in the table b	elow. The <u>tir</u>	<u>me estimate</u> should in	clude any personn	el directly
gaged in the test, including sub-conti	ractors. The c	cost estimate should i	be inclusive of any	additional
cumentation, data, tools or training th	hat needed to	be acquired during to	he test.	
			Your estimate	
Person days				

Cost in Euros

improvements that would make it easier to use.
Please be as specific as possible in your suggestions
The value of using Level 2
Level 2 is aimed at building professionals that wish to make meaningful comparisons between functionally equivalent buildings. The Level(s) framework lays down rules to support the comparability of results at national level or building portfolio level.
Q12. To what extent did Level 2 prove to be useful in making comparisons between buildings?
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent Not sure
If the value was moderate or higher, please identify how its use influenced the results
The value of using Level 3
Level 3 represents the most advanced use of each indicator. The Level(s) framework provides guidance to support building professionals that wish to work at a more detailed level to model and improve performance.
Q13. To what extent did Level 3 prove useful in obtaining more precise and reliable results?
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent Not sure

Q11. Now that you have tested the indicator/life cycle tool, please make any suggestions for

If the value was moderate or higher, please identify how its use influenced the results

#### Indicator 2.3 Construction and demolition waste and materials

#### Q1. To what extent was the indicator or life cycle tool easy and logical to use?

Please answer for each of the following aspects

	Not at all	Limited extent	Moderate extent	Great extent	Very great extent	Not relevant to this test
1.1 The guidance for making a common performance assessment provided in the JRC Level(s) documentation	0	0	0	0	0	0
1.2 The calculation method(s) and standards that are specified should be used	0	0	0	0	0	0
1.3 The unit of measurement that is specified should be used	0	0	0	0	0	0
1.4 The reporting format that is provided in the documentation	0	0	0	0	0	0
1.5 The suggested calculation tools and reference data sources	0	0	0	0	0	0
1.6 If used, the <u>Level 2 rules for</u> <u>comparative reporting</u>	0	0	0	0	0	0
1.7 If used, the <u>Level 3 aspects and</u> guidance notes	0	0	0	0	0	0

### Q2. <u>If comparisons were made of different building design options, to what extent did the</u> indicator or life cycle tool help to do this?

Please choose one option only	
Not at all	
Limited extent	
Moderate extent	
Great extent	
Very great extent	
Not sure	

Q3. To what extent did you encounter any problems in obtaining a result for the indicator or life cycle tool?

Please choose one option only
Not at all
Limited extent
Moderate extent
Great extent
Very great extent
If the problems were moderate or higher, please identify the main problems encountered and, if
relevant, how you overcame them or got around them.
Q4. When making the assessment, were there any other specific references, datasets or tools you
had used on other building assessments that proved useful?
If you answer yes, please elaborate further in the box below
□ Yes
□ No
Please specify useful resources from previous projects
Q5. To what extent did you already have access to the required results from other assessments of
the building?
Please choose one option only
Not at all
Limited extent
Moderate extent
☐ Great extent
Very great extent
Please identify the source of results that were already available
riease identity the source of results that were already available
Q6. If you had to obtain the standards, data and/or tools in order to make the Level(s) assessment
how readily available were they?

	Not possible to obtain	Difficult to obtain	Some effort to obtain	Easy to obtain	Already had them	Not relevant to this test building
6.1 The technical standards used	0	0	0	0	•	•
6.2 The databases used	0	0	©	0	0	•
6.3 <u>Calculation</u> and modelling tools	0	0	0	0	•	0

### Q7. If you had to purchase the standards, data and/or tools, to what extent was their cost a barrier to using them?

Please answer for each of the following aspects

	Not at all	One of the factors	The main factor
7.1 The technical standards used	0	0	0
7.2 The <u>databases</u> used	0	0	0
7.3 Calculation and modelling tools	0	0	0

## Q8. How would you describe the previous experience of the test team with similar indicators or life cycle tools?

Plea.	se choose one option only
	No previous experience
	Limited previous experience
	Some previous experience
	Extensive previous experience

Q9. Based on the previous experience of the test team, to what extent did using this indicator or life cycle tool require additional training and support?

Pleas	se choose one option only
	Not at all
	Limited extent
	Moderate extent
	Great extent
	Very great extent

If additional training and support was required, pleas	re identify the main areas where it was necessary:
Knowledge of standards or methods	
Calculation or modelling tool software use	
Access to and handling of data sets	
Other (please specify)	
Please identify the type of training and/or support that	at was needed
O40. If we called a loans are will a second at the of the	
Q10. If possible please provide an estimate of the indicator or tool.	e cost and/or time that were required to use this
indicator or tool.	
Please record estimates in the table below. The time	e estimate should include any personnel directly
engaged in the test, including sub-contractors. The co	<del></del>
documentation, data, tools or training that needed to b	
	Your estimate
Person days	
Cost in Euros	
improvements that would make it easier to use.  Please be as specific as possible in your suggestions.	e
Trease be as specific as possible in your suggestions	
The value of using Level 2	
The value of doing 2010. 2	
Level 2 is aimed at building professionals that wish to equivalent buildings. The Level(s) framework lays do national level or building portfolio level.	o make meaningful comparisons between functionally wn rules to support the comparability of results at
Q12. To what extent did Level 2 prove to be useful	ul in making comparisons between buildings?
Diagon change and entire only	
Please choose one option only  Not at all	
Limited extent	
Moderate extent	
Great extent	
Very great extent	
_	
Not sure	

he value of using Level 3	
Level 3 represents the most advanced use of each indicator. The Level(s) of support building professionals that wish to work at a more detailed level berformance.	
113. To what extent did Level 3 prove useful in obtaining more precis	se and reliable results?
Please choose one option only	
Not at all	
Limited extent	
Moderate extent	
Great extent	
Very great extent	
Not sure	

If the value was moderate or higher, please identify how its use influenced the results

#### Indicator 3.1 Use stage water consumption

#### Q1. To what extent was the indicator or life cycle tool easy and logical to use?

	Not at all	Limited extent	Moderate extent	Great extent	Very great extent	Not relevant to this test
1.1 The guidance for making a common performance assessment provided in the JRC Level(s) documentation	0	•	0	0	0	•
1.2 The calculation method(s) and standards that are specified should be used	0	©	0	0	0	•
1.3 The unit of measurement that is specified should be used	0	0	0	0	0	0
1.4 The reporting format that is provided in the documentation	0	0	0	0	0	0

1.6 If used, the <u>Level 2 rules for</u> <u>comparative reporting</u>	0	0	0	0	0	0
1.7 If used, the <u>Level 3 aspects and</u> guidance notes	0	0	0	0	0	0
Q2. If comparisons were made of differ indicator or life cycle tool help to do the Please choose one option only  Not at all Limited extent		ding desig	n options, to	what ext	ent did th	<u>e</u>
<ul><li>Moderate extent</li><li>Great extent</li><li>Very great extent</li></ul>						
Not sure		blome in ob		ult for the	o indicata	u ou life
Q3. To what extent did you encounter a cycle tool?	any pro	<u>oiems in or</u>	otaining a res	suit for the	e indicato	or or life
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent						
If the problems were moderate or higher, relevant, how you overcame them or got at			main problem	s encounte	ered and, .	<u>if</u>
Q4. When making the assessment, wer had used on other building assessmen		-	-	ences, da	itasets or	tools you
If you answer yes, please elaborate further Yes No	er in the	box below				
Please specify useful resources from prev	vious pro	pjects				

1.5 The suggested calculation tools

and reference data sources

### Q5. To what extent did you already have access to the required results from other assessments of the building?

Please choose one option only
Not at all
Limited extent
Moderate extent
Great extent
Very great extent
Please identify the source of results that were already available

### Q6. If you had to obtain the standards, data and/or tools in order to make the Level(s) assessment, how readily available were they?

Please answer for each of the following aspects

	Not possible to obtain	Difficult to obtain	Some effort to obtain	Easy to obtain	Already had them	Not relevant to this test building
6.1 The technical standards used	0	0	0	0	•	•
6.2 The databases used	0	0	©	0	0	•
6.3 <u>Calculation</u> and modelling tools	0	0	•	0	0	•

## Q7. If you had to purchase the standards, data and/or tools, to what extent was their cost a barrier to using them?

	Not at all	One of the factors	The main factor
7.1 The technical standards used	0	0	0
7.2 The <u>databases</u> used	0	0	0
7.3 <u>Calculation and modelling</u> tools	0	0	0

life cycle tools?	
Please choose one option only  No previous experience Limited previous experience Some previous experience Extensive previous experience	
Q9. Based on the previous experience of the test life cycle tool require additional training and supp	
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent	
If additional training and support was required, please  Knowledge of standards or methods  Calculation or modelling tool software use  Access to and handling of data sets  Other (please specify)  Please identify the type of training and/or support that	
Trease identity the type of training and/or support that	i wao nooded
Q10. If possible please provide an estimate of the indicator or tool.	
Please record estimates in the table below. The time engaged in the test, including sub-contractors. The contractors and documentation, data, tools or training that needed to be	st estimate should be inclusive of any additional
	Your estimate
Person days	
Cost in Euros	

Q11. Now that you have tested the indicator/life cycle tool, please make any suggestions for

Q8. How would you describe the previous experience of the test team with similar indicators or

Please be as specific as possible in your suggestions

improvements that would make it easier to use.

The value of using Level 2
Level 2 is aimed at building professionals that wish to make meaningful comparisons between functionally equivalent buildings. The Level(s) framework lays down rules to support the comparability of results at national level or building portfolio level.
Q12. To what extent did Level 2 prove to be useful in making comparisons between buildings?
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent Not sure  If the value was moderate or higher, please identify how its use influenced the results
The value of using Level 3
Level 3 represents the most advanced use of each indicator. The Level(s) framework provides guidance to support building professionals that wish to work at a more detailed level to model and improve performance.
Q13. To what extent did Level 3 prove useful in obtaining more precise and reliable results?
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent Not sure  If the value was moderate or higher, please identify how its use influenced the results

### Indicator 4.1 Indoor air quality

#### Q1. To what extent was the indicator or life cycle tool easy and logical to use?

Please answer for each of the following aspects

	Not at all	Limited extent	Moderate extent	Great extent	Very great extent	Not relevant to this test
1.1 The guidance for making a common performance assessment provided in the JRC Level(s) documentation	0	•	0	0	0	0
1.2 The calculation method(s) and standards that are specified should be used	0	0	0	0	0	•
1.3 The unit of measurement that is specified should be used	0	0	0	0	0	0
1.4 The reporting format that is provided in the documentation	0	0	0	0	0	0
1.5 The suggested <u>calculation tools</u> and reference data sources	0	0	0	0	0	0
1.6 If used, the <u>Level 2 rules for</u> comparative reporting	0	0	0	0	0	0
1.7 If used, the <u>Level 3 aspects and</u> guidance notes	0	0	0	0	0	0

# Q2. If comparisons were made of different building design options, to what extent did the indicator or life cycle tool help to do this?

Please choose one option only
Not at all
Limited extent
Moderate extent
Great extent
Very great extent
Not sure
Q3. To what extent did you encounter any problems in obtaining a result for the indicator or life
cycle tool?
Please choose one option only
Not at all
Limited extent
Moderate extent

<ul><li>Great extent</li><li>Very great extent</li></ul>						
<i>(</i> ()			1			
If the problems were mo		·		n problem	s encounter	ed and, if
relevant, how you overca	me tnem or go	t arouna the	<u>9M.</u>			
Q4. When making the had used on other buil			-		ences, data	asets or tools you
If you answer yes, pleas  Yes  No	se elaborate ful	rther in the i	box below			
Please specify useful re	esources from p	previous pro	jects			
Q5. To what extent did	l vou alreadv l	nave acces	s to the reaui	red result	s from othe	er assessments of
the building?	,					
Please choose one opti	on only					
Not at all						
Limited extent						
Moderate extent						
Great extent						
Very great extent						
Please identify the sour	ce of results th	at were alre	ady available			
Q6. If you had to obtai	n the standard	ds, data an	d/or tools in o	order to m	ake the Lev	vel(s) assessment,
how readily available v						
Please answer for each	of the following	g aspects				
		- ,				
	Not possible	Difficult	Some effort to	Easy	Already	Not relevant to

	Not possible to obtain	Difficult to obtain	Some effort to obtain	Easy to obtain	Already had them	Not relevant to this test building
6.1 The technical standards used	•	0	0	0	•	0

6.2 The databases used	0	0	0	0	0	•
6.3 <u>Calculation</u> and modelling tools	0	0	0	0	0	•

#### Q7. If you had to purchase the standards, data and/or tools, to what extent was their cost a barrier to using them?

Please answer for each of the following aspects

	Not at all	One of the factors	The main factor
7.1 The technical standards used	0	0	0
7.2 The <u>databases</u> used	0	0	0
7.3 <u>Calculation and modelling</u> tools	0	0	0

# Q8. How would you describe the previous experience of the test team with similar indicators or

life cycle tools?
Please choose one option only  No previous experience Limited previous experience Some previous experience Extensive previous experience
Q9. Based on the previous experience of the test team, to what extent did using this indicator of life cycle tool require additional training and support?
me cycle tool require additional training and support:
Please choose one option only
Not at all
Limited extent
Moderate extent
Great extent
Very great extent
If additional training and support was required, please identify the main areas where it was necessary:
Knowledge of standards or methods
Calculation or modelling tool software use
Access to and handling of data sets
Other (please specify)

Please identify the type of training and/or support that	t was needed
Q10. If possible please provide an estimate of the	cost and/or time that were required to use this
indicator or tool.	
Please record estimates in the table below. The time	e estimate should include any personnel directly
ngaged in the test, including sub-contractors. The co.	st estimate should be inclusive of any additional
locumentation, data, tools or training that needed to b	e acquired during the test.
	Your estimate
Person days	Tour estimate
Cost in Euros	
OOST III EUROS	
Q11. Now that you have tested the indicator/life c	vole tool inlease make any suggestions for
improvements that would make it easier to use.	yole tool, picase make any suggestions for
Please be as specific as possible in your suggestions	3
, , , , , , , , , , , , , , , , , , , ,	
The value of using Level 2	
<b>S</b>	
Level 2 is aimed at building professionals that wish to	make meaningful comparisons between functionally
equivalent buildings. The Level(s) framework lays do	wn rules to support the comparability of results at
national level or building portfolio level.	
Q12. To what extent did Level 2 prove to be usefu	I in making comparisons between buildings?
Please choose one option only	
Not at all	
Limited extent	
Moderate extent	
Great extent	
Very great extent	
Not sure	
If the value was moderate or higher, please identify h	now its use influenced the results

The value of using Level 3

Level 3 represents the most advanced use of each indicator. The Level(s) framework provides guidance to support building professionals that wish to work at a more detailed level to model and improve performance.

#### Q13. To what extent did Level 3 prove useful in obtaining more precise and reliable results?

Please choose one option only	
Not at all	
Limited extent	
Moderate extent	
Great extent	
Very great extent	
Not sure	
If the value was moderate or higher, please identify how its use influenced the results	

#### Indicator 4.2 Time out of thermal comfort range

#### Q1. To what extent was the indicator or life cycle tool easy and logical to use?

	Not at all	Limited extent	Moderate extent	Great extent	Very great extent	Not relevant to this test
1.1 The guidance for making a common performance assessment provided in the JRC Level(s) documentation	0	0	0	0	0	•
1.2 The calculation method(s) and standards that are specified should be used	0	0	0	0	0	•
1.3 The unit of measurement that is specified should be used	0	0	0	0	0	0
1.4 The reporting format that is provided in the documentation	0	0	0	0	0	0
1.5 The suggested <u>calculation tools</u> and reference data sources	0	0	0	0	0	0
1.6 If used, the Level 2 rules for comparative reporting	0	0	0	0	0	0

1.7 If used, the <u>Level 3 aspects and</u> guidance notes	0	©	0	0	0	©
Q2. If comparisons were made of differ indicator or life cycle tool help to do the		lding desig	n options, to	what ext	ent did th	<u>e</u>
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent Not sure						
Q3. To what extent did you encounter a cycle tool?	any pro	blems in ol	otaining a res	sult for th	e indicato	or or life
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent If the problems were moderate or higher, relevant, how you overcame them or got an			main problem	s encount	ered and,	<u>íf</u>
relevant, now you overcame them of got as	ouna un	<u>em.</u>				
Q4. When making the assessment, wer had used on other building assessmen		-	-	rences, da	atasets or	tools you
If you answer yes, please elaborate further Yes No	er in the	box below				
Please specify useful resources from prev	vious pro	ojects				
Q5. To what extent did you already have the building?	e acces	ss to the re	quired result	s from ot	her asses	sments of
Please choose one option only  Not at all						

Limited extent	
■ Moderate extent	
Great extent	
Very great extent	
Please identify the source of results that were already available	

### Q6. If you had to obtain the standards, data and/or tools in order to make the Level(s) assessment, how readily available were they?

Please answer for each of the following aspects

	Not possible to obtain	Difficult to obtain	Some effort to obtain	Easy to obtain	Already had them	Not relevant to this test building
6.1 The technical standards used	0	0	0	0	•	•
6.2 The databases used	0	0	0	0	0	•
6.3 <u>Calculation</u> and modelling tools	0	0	0	0	•	0

### Q7. If you had to purchase the standards, data and/or tools, to what extent was their cost a barrier to using them?

Please answer for each of the following aspects

	Not at all	One of the factors	The main factor
7.1 The technical standards used	0	0	0
7.2 The <u>databases</u> used	0	0	0
7.3 <u>Calculation and modelling</u> <u>tools</u>	0	0	•

# Q8. How would you describe the previous experience of the test team with similar indicators or life cycle tools?

Please choose one option only

No previous experience	
Limited previous experience	
Some previous experience	
Extensive previous experience	
Q9. Based on the previous experience of the test	team, to what extent did using this indicator or
life cycle tool require additional training and supp	port?
Please choose one option only	
Not at all	
Limited extent	
■ Moderate extent	
Great extent	
Very great extent	
If additional training and support was required, please	e identify the main areas where it was necessary:
Knowledge of standards or methods	
Calculation or modelling tool software use	
Access to and handling of data sets	
Other (please specify)	
Please identify the type of training and/or support tha	nt was needed
, , , , , , , , , , , , , , , , , , ,	
Q10. If possible please provide an estimate of the	cost and/or time that were required to use this
indicator or tool.	
Please record estimates in the table below. The time	e estimate should include any personnel directly
engaged in the test, including sub-contractors. The co	st estimate should be inclusive of any additional
documentation, data, tools or training that needed to b	ne acquired during the test.
	Your estimate
Person days	
Cost in Euros	
Q11. Now that you have tested the indicator/life c	vole tool, please make any suggestions for
improvements that would make it easier to use.	, o.o. too., p <u>.o.o.o</u>
<u> </u>	
Please be as specific as possible in your suggestions	S
and the design of process in your daygood one	

The value of using Level 2

Level 2 is aimed at building professionals that wish to make meaningful comparisons between functionally equivalent buildings. The Level(s) framework lays down rules to support the comparability of results at national level or building portfolio level.

Q12. To what extent did Level 2 prove to be useful in making comparisons between build	ings?
Please choose one option only	
Not at all	
Limited extent	
Moderate extent	
Great extent	
Very great extent	
Not sure	
If the value was moderate or higher, please identify how its use influenced the results	
The value of using Level 3	
Level 3 represents the most advanced use of each indicator. The Level(s) framework provides g to support building professionals that wish to work at a more detailed level to model and improve performance.  Q13. To what extent did Level 3 prove useful in obtaining more precise and reliable result	e
	_
Please choose one option only	
Not at all	
Limited extent	
Moderate extent	
Great extent	
Very great extent	
■ Not sure	
If the value was moderate or higher, please identify how its use influenced the results	
Recommended in addition to the minimum scope	

#### **Indicator 1.2 Life cycle Global Warming Potential (GWP)**

Q1. To what extent was the indicator or life cycle tool easy and logical to use?

	Not at all	Limited extent	Moderate extent	Great extent	Very great extent	Not relevant to this test
1.1 The guidance for making a common performance assessment provided in the JRC Level(s) documentation	0	0	0	0	0	0
1.2 The calculation method(s) and standards that are specified should be used	0	0	0	0	0	0
1.3 The unit of measurement that is specified should be used	0	0	0	0	0	0
1.4 The reporting format that is provided in the documentation	0	0	0	0	0	0
1.5 The suggested calculation tools and reference data sources	0	0	0	0	0	0
1.6 If used, the Level 2 rules for comparative reporting	0	0	0	0	0	0
1.7 If used, the <u>Level 3 aspects and</u> guidance notes	0	0	0	0	0	0

Q2. If comparisons were made of different building design options, to what extent did the
ndicator or life cycle tool help to do this?
Please choose one option only
Not at all
Limited extent
Moderate extent
Great extent
Very great extent
Not sure
Q3. To what extent did you encounter any problems in obtaining a result for the indicator or life
cycle tool?
Please choose one option only
Not at all
Limited extent
Moderate extent
Great extent
Very great extent

If the problems were moderate or higher, please identify the main problems encountered and, if
relevant, how you overcame them or got around them.
Q4. When making the assessment, were there any other specific references, datasets or tools you
had used on other building assessments that proved useful?
If you answer yes, please elaborate further in the box below
☐ Yes
□ No
Please specify useful resources from previous projects
Trease specify ascrarresearces from previous projects
OF To substantial year already have access to the very ired very life from other accessments of
Q5. To what extent did you already have access to the required results from other assessments of
the building?
Please choose one option only
Not at all
Limited extent
Moderate extent
Great extent
Very great extent
Please identify the source of results that were already available
Q6. If you had to obtain the standards, data and/or tools in order to make the Level(s) assessmen
how readily available were they?

	Not possible to obtain	Difficult to obtain	Some effort to obtain	Easy to obtain	Already had them	Not relevant to this test building
6.1 The technical standards used	0	0	0	0	0	0
6.2 The databases used	0	0	0	0	0	0

6.3 <u>Calculation</u> and modelling tools		0	0	0	©
Q7. If you had to purchase the so using them?		and/or tools,	to what e	extent was t	heir cost a barrier
Please answer for each of the follo	Not at all	One of		The main factor	
7.1 The technical standards us	ed ©	0		0	
7.2 The <u>databases</u> used	0	0		0	
7.3 <u>Calculation and modelling</u> tools	0	0		©	
Q8. How would you describe the	e previous expe	rience of the	test team	with simila	ur indicators or
ife cycle tools?	e previous expe	nence of the	test team	i with Sillina	ii iiidicators or
Please choose one option only  No previous experience Limited previous experience Some previous experience Extensive previous experience  9. Based on the previous experience ife cycle tool require additional		·	hat exten	t did using t	this indicator or
Please choose one option only					
Not at all Limited extent					
Moderate extent					
Great extent					
Very great extent					
If additional training and support was Knowledge of standards or met Calculation or modelling tool so Access to and handling of data  Other (please specify)	thods oftware use	ase identify th	e main are	eas where it	<u>was necessary</u> :
Please identify the type of training	and/or support to	hat was need	led .		

## Q10. If possible please provide an estimate of the cost and/or time that were required to use this indicator or tool.

Please record estimates in the table below. The <u>time estimate</u> should include any personnel directly engaged in the test, including sub-contractors. The <u>cost estimate</u> should be inclusive of any additional documentation, data, tools or training that needed to be acquired during the test.

	Your estimate
Person days	
Cost in Euros	

Q11. Now that you have tested the indicator/life	cycle tool, please make any suggestions for
improvements that would make it easier to use.	

F	Please be as specific as possible in your suggestions

#### The value of using Level 2

Level 2 is aimed at building professionals that wish to make meaningful comparisons between functionally equivalent buildings. The Level(s) framework lays down rules to support the comparability of results at national level or building portfolio level.

## Q12. To what extent did Level 2 prove to be useful in making comparisons between buildings?

Pleas	re choose one option only
	Not at all
	Limited extent
	Moderate extent
	Great extent
	Very great extent
	Not sure
If the	value was moderate or higher, please identify how its use influenced the results

### The value of using Level 3

Level 3 represents the most advanced use of each indicator. The Level(s) framework provides guidance to support building professionals that wish to work at a more detailed level to model and improve performance.

# Please choose one option only Not at all Limited extent Moderate extent Great extent Very great extent Not sure If the value was moderate or higher, please identify how its use influenced the results

## 2.1 Life cycle tool: Building Bill of Materials (BoM)

## Q1. To what extent was the indicator or life cycle tool easy and logical to use?

Please answer for each of the following aspects

	Not at all	Limited extent	Moderate extent	Great extent	Very great extent	Not relevant to this test
1.1 The guidance for making a common performance assessment provided in the JRC Level(s) documentation	0	0	0	0	0	•
1.2 The calculation method(s) and standards that are specified should be used	0	0	0	0	0	•
1.3 The unit of measurement that is specified should be used	0	0	0	0	0	0
1.4 The reporting format that is provided in the documentation	0	0	0	0	0	0
1.5 The suggested calculation tools and reference data sources	0	0	0	0	0	0

# Q2. <u>If comparisons were made of different building design options, to what extent did the indicator or life cycle tool help to do this?</u>

Please choose one option only
Not at all
Limited extent
Moderate extent

Great extent
Very great extent
Not sure
Q3. To what extent did you encounter any problems in obtaining a result for the indicator or life
cycle tool?
Please choose one option only
Not at all
Limited extent
Moderate extent
Great extent
Very great extent
If the problems were moderate or higher, please identify the main problems encountered and, if
relevant, how you overcame them or got around them.
Sievani, nem yea evereame inem er ger areama inem.
O4 When making the appearant, were there any other enecific references, detacate or tools you
Q4. When making the assessment, were there any other specific references, datasets or tools you
had used on other building assessments that proved useful?
If you answer yes, please elaborate further in the box below
If you answer yes, please elaborate further in the box below  Yes
Yes
☐ Yes ☐ No
Yes
☐ Yes ☐ No
☐ Yes ☐ No
Yes No  Please specify useful resources from previous projects
<ul> <li>Yes</li> <li>No</li> </ul> Please specify useful resources from previous projects Q5. To what extent did you already have access to the required results from other assessments of
Yes No  Please specify useful resources from previous projects
Please specify useful resources from previous projects  Q5. To what extent did you already have access to the required results from other assessments of the building?
<ul> <li>Yes</li> <li>No</li> </ul> Please specify useful resources from previous projects Q5. To what extent did you already have access to the required results from other assessments of
Please specify useful resources from previous projects  Q5. To what extent did you already have access to the required results from other assessments of the building?
Please specify useful resources from previous projects  Q5. To what extent did you already have access to the required results from other assessments of the building?  Please choose one option only
<ul> <li>Yes</li> <li>No</li> </ul> Please specify useful resources from previous projects Q5. To what extent did you already have access to the required results from other assessments of the building? Please choose one option only <ul> <li>Not at all</li> </ul>
<ul> <li>Yes</li> <li>No</li> <li>Please specify useful resources from previous projects</li> <li>Q5. To what extent did you already have access to the required results from other assessments of the building?</li> <li>Please choose one option only</li> <li>Not at all</li> <li>Limited extent</li> </ul>
<ul> <li>Yes</li> <li>No</li> <li>Please specify useful resources from previous projects</li> <li>Q5. To what extent did you already have access to the required results from other assessments of the building?</li> <li>Please choose one option only</li> <li>Not at all</li> <li>Limited extent</li> <li>Moderate extent</li> <li>Great extent</li> </ul>
<ul> <li>Yes</li> <li>No</li> <li>Please specify useful resources from previous projects</li> <li>Q5. To what extent did you already have access to the required results from other assessments of the building?</li> <li>Please choose one option only</li> <li>Not at all</li> <li>Limited extent</li> <li>Moderate extent</li> </ul>
Yes No Please specify useful resources from previous projects Q5. To what extent did you already have access to the required results from other assessments of the building? Please choose one option only Not at all Limited extent Moderate extent Great extent Very great extent Very great extent
<ul> <li>Yes</li> <li>No</li> <li>Please specify useful resources from previous projects</li> <li>Q5. To what extent did you already have access to the required results from other assessments of the building?</li> <li>Please choose one option only</li> <li>Not at all</li> <li>Limited extent</li> <li>Moderate extent</li> <li>Great extent</li> </ul>
Yes No Please specify useful resources from previous projects Q5. To what extent did you already have access to the required results from other assessments of the building? Please choose one option only Not at all Limited extent Moderate extent Great extent Very great extent Very great extent

## Q6. If you had to obtain the standards, data and/or tools in order to make the Level(s) assessment, how readily available were they?

Please answer for each of the following aspects

	Not possible to obtain	Difficult to obtain	Some effort to obtain	Easy to obtain	Already had them	Not relevant to this test building
6.1 The technical standards used	0	0	0	0	•	0
6.2 The databases used	0	0	0	0	0	•
6.3 <u>Calculation</u> and modelling tools	0	0	0	0	•	0

## Q7. If you had to purchase the standards, data and/or tools, to what extent was their cost a barrier to using them?

Please answer for each of the following aspects

	Not at all	One of the factors	The main factor
7.1 The technical standards used	0	0	0
7.2 The <u>databases</u> used	0	0	0
7.3 <u>Calculation and modelling</u> tools	0	0	©

# Q8. How would you describe the previous experience of the test team with similar indicators or life cycle tools?

Please choose one option only
No previous experience
Limited previous experience
Some previous experience
Extensive previous experience

Q9. Based on the previous experience of the test team, to what extent did using this indicator or life cycle tool require additional training and support?

Please choose one option only

Not at all						
Limited extent						
■ Moderate extent						
Great extent						
Very great extent						
f additional training and support was req	uired, pl	lease identit	fy the main are	eas where	it was ned	cessary:
Knowledge of standards or methods						
Calculation or modelling tool software	use					
Access to and handling of data sets						
Other (please specify)						
, ,,						
Please identify the type of training and/or	r support	t that was n	eeded			
ndicator or tool.  Please record estimates in the table belo						•
ngaged in the test, including sub-contract	tore The	,	ate should he	inclusive of	of any add	ditional
gagean the took moraum group community	1013. 1116	e <u>cost estim</u>	aic should be			
			red during the		Э	
			red during the	test.	)	
ocumentation, data, tools or training that			red during the	test.	)	
Person days			red during the	test.	9	
Person days  Cost in Euros	needed	to be acqui	red during the	ur estimate		s for
Person days Cost in Euros  211. Now that you have tested the ind	needed	fe cycle too	red during the	ur estimate		s for
Person days Cost in Euros  211. Now that you have tested the ind	needed	fe cycle too	red during the	ur estimate		s for
Person days Cost in Euros  211. Now that you have tested the ind approvements that would make it easier.	icator/li	fe cycle too	red during the	ur estimate		s for
Person days Cost in Euros  111. Now that you have tested the ind approvements that would make it easier.	icator/li	fe cycle too	red during the	ur estimate		s for
Person days Cost in Euros  211. Now that you have tested the ind approvements that would make it easier.	icator/li	fe cycle too	red during the	ur estimate		s for
Person days Cost in Euros  211. Now that you have tested the ind approvements that would make it easier.	icator/li	fe cycle too	red during the	ur estimate		s for
Person days Cost in Euros  211. Now that you have tested the ind improvements that would make it easier.  Please be as specific as possible in your	icator/li	fe cycle too	red during the	ur estimate		s for
Person days	icator/li	fe cycle too	red during the	ur estimate		s for
Person days Cost in Euros  211. Now that you have tested the ind improvements that would make it easier Please be as specific as possible in your potional additional reporting	icator/liter to use	fe cycle too	ol, please ma	vest.	ggestion	s for
Person days Cost in Euros  211. Now that you have tested the ind improvements that would make it easier Please be as specific as possible in your ptional additional reporting	icator/liter to use	fe cycle too	ol, please ma	vest.	ggestion	s for
Person days Cost in Euros  211. Now that you have tested the ind improvements that would make it easier.  Please be as specific as possible in your potional additional reporting	icator/liter to use	fe cycle too	ol, please ma	vest.	ggestion	s for
Person days Cost in Euros  211. Now that you have tested the ind improvements that would make it easien please be as specific as possible in your potional additional reporting  2.2 Life cycle tool: scenario 1 - But in the provements of the cycle tool is scenario 1 - But in the cycle to 1 - But in the cycle to 1 - But in the cycle to 1 - But in the cycle tool is scenario 1 - But in the cycle to 2 - But in the cycle to 2 - But in the cycle to 2 - But in the cy	icator/liter to use	fe cycle too	ol, please ma	e life pla	ggestion	s for
Person days Cost in Euros  211. Now that you have tested the ind inprovements that would make it easient of the province of the color o	icator/liter to use	fe cycle too	ol, please ma	e life pla	ggestion	s for_
Person days Cost in Euros  211. Now that you have tested the indeprovements that would make it easient of the provided and additional reporting  22 Life cycle tool: scenario 1 - But 1. To what extent was the indicator of the provided and the pr	icator/liter to use	fe cycle too	ol, please ma	e life pla	ggestion	s for
Person days Cost in Euros  211. Now that you have tested the ind improvements that would make it easien the policy of the policy of the cycle tool: scenario 1 - But 21. To what extent was the indicator of the cycle tool of the c	icator/liter to use	fe cycle too	ol, please ma	e life pla	ggestion	s for_
Person days Cost in Euros  211. Now that you have tested the ind improvements that would make it easier of the prize as specific as possible in your optional additional reporting  2.2 Life cycle tool: scenario 1 - But all I. To what extent was the indicator of the prize as possible in your and the prize as a specific as a	icator/liter to use	fe cycle too e.  and elemented tool ease	ental servicesy and logica	test.  our estimate  ke any su  to use?	ggestion	
Person days Cost in Euros  211. Now that you have tested the ind mprovements that would make it easier?  Please be as specific as possible in your	icator/liter to use suggested aspects	fe cycle too	ol, please ma	e life pla	ggestion	Not

1.1 The guidance for making a						
common performance assessment provided in the JRC Level(s) documentation	•	•	•	0	0	•
1.2 The calculation method(s) and standards that are specified should be used	0	0	0	0	0	0
1.3 The unit of measurement that is specified should be used	0	0	0	0	0	0
1.4 The reporting format that is provided in the documentation	0	0	0	0	0	0
1.5 The suggested calculation tools and reference data sources	0	0	0	0	0	0
1.6 If used, the <u>Level 2 rules for</u> comparative reporting	0	0	0	0	0	0
1.7 If used, the Level 3 aspects and guidance notes	0	0	0	0	0	0
cator or life cycle tool help to do th		lding desig	n options, to	what ext	ent did th	<u>e</u>
ase choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent		lding desig	n options, to	what ext	ent did th	<u>le</u>
Limited extent  Moderate extent  Great extent	is?					
icator or life cycle tool help to do the lase choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent Not sure  To what extent did you encounter a	is?					

If you answer yes, please elaborate i	further in the box below
☐ Yes	
□ No	
Please specify useful resources from	n previous projects
	provided projects
Q5. To what extent did you already	have access to the required results from other assessments of
the building?	
Please choose one option only	
Not at all	
Limited extent	
Moderate extent	
Great extent	
Very great extent	
Please identify the source of results a	that were already available

Q4. When making the assessment, were there any other specific references, datasets or tools you

had used on other building assessments that proved useful?

Q6. If you had to obtain the standards, data and/or tools in order to make the Level(s) assessment, how readily available were they?

	Not possible to obtain	Difficult to obtain	Some effort to obtain	Easy to obtain	Already had them	Not relevant to this test building
6.1 The technical standards used	0	0	0	0	0	0
6.2 The databases used	0	0	0	0	0	•
6.3 <u>Calculation</u> and modelling tools	0	0	0	0	0	0

Please answer for	or each	of the	following	aspects
-------------------	---------	--------	-----------	---------

	Not at all	One of the factors	The main factor
7.1 The technical standards used	0	0	0
7.2 The <u>databases</u> used	0	0	0
7.3 <u>Calculation and modelling</u> tools	0	0	0

# Q8. How would you describe the previous experience of the test team with similar indicators or life cycle tools?

Please choose one option only
No previous experience
Limited previous experience
Some previous experience
Extensive previous experience
Q9. Based on the previous experience of the test team, to what extent did using this indicator or life cycle tool require additional training and support?
Please choose one option only
□ Not at all
Limited extent
■ Moderate extent
Great extent
Very great extent
If additional training and support was required, please identify the main areas where it was necessary:  Knowledge of standards or methods Calculation or modelling tool software use
Access to and handling of data sets
Other (please specify)
Please identify the type of training and/or support that was needed

Q10. If possible please provide an estimate of the cost and/or time that were required to use this indicator or tool.

Please record estimates in the table below. The <u>time estimate</u> should include any personnel directly engaged in the test, including sub-contractors. The <u>cost estimate</u> should be inclusive of any additional documentation, data, tools or training that needed to be acquired during the test.

	Your estimate
Person days	
Cost in Euros	

Q11. Now that you have tested the indicator/life cycle tool, please make any suggestions for improvements that would make it easier to use.

P	Please be as specific as possible in your suggestions

## 2.2 Life cycle tool: scenario 2 - Design for adaptability and refurbishment

## Q1. To what extent was the indicator or life cycle tool easy and logical to use?

	Not at all	Limited extent	Moderate extent	Great extent	Very great extent	Not relevant to this test
1.1 The guidance for making a common performance assessment provided in the JRC Level(s) documentation	0	•	0	0	0	0
1.2 The calculation method(s) and standards that are specified should be used	0	0	0	0	0	0
1.3 The unit of measurement that is specified should be used	0	0	0	0	0	0
1.4 The reporting format that is provided in the documentation	0	0	0	0	0	0
1.5 The suggested <u>calculation tools</u> and reference data sources	0	0	0	0	0	0
1.6 If used, the <u>Level 2 rules for</u> comparative reporting	0	0	0	0	0	0
1.7 If used, the <u>Level 3 aspects and</u> guidance notes	0	0	0	0	0	0

Q2. If comparisons were made of different building design options, to what extent did the indicator or life cycle tool help to do this?
Please choose one option only
Not at all
Limited extent
Moderate extent
Great extent
Very great extent
Not sure
Q3. To what extent did you encounter any problems in obtaining a result for the indicator or life cycle tool?
Please choose one option only
Not at all
Limited extent
Moderate extent
Great extent
Very great extent
Q4. When making the assessment, were there any other specific references, datasets or tools yo had used on other building assessments that proved useful?
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below  Yes
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below  Yes
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below  Yes No
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below  Yes No  Please specify useful resources from previous projects  Q5. To what extent did you already have access to the required results from other assessments of the second of
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below  Yes No  Please specify useful resources from previous projects
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below  Yes No  Please specify useful resources from previous projects  Q5. To what extent did you already have access to the required results from other assessments of the second of
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below Yes No  Please specify useful resources from previous projects  Q5. To what extent did you already have access to the required results from other assessments of the building?
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below Yes No  Please specify useful resources from previous projects  Q5. To what extent did you already have access to the required results from other assessments of the building?  Please choose one option only

Great extent

ase answer for each o	of the followin	ng aspects				
	Not possible to obtain	Difficult to obtain	Some effort to obtain	Easy to obtain	Already had them	Not relevant i this test buildin
6.1 The technical standards used	0	0	0	0	0	0
6.2 The databases used	0	0	0	0	0	0
6.3 Calculation and modelling tools  If you had to purcha	ase the stan	dards, data	and/or tools	to what e	extent was t	heir cost a bar
and modelling tools	ase the stan	dards, data			extent was t	heir cost a barr
and modelling tools  If you had to purchasing them?	ase the stan	dards, data		the	The main factor	heir cost a barr
and modelling tools  If you had to purchasing them?	ase the stan	dards, data	and/or tools	the	The main	heir cost a barr
and modelling tools  If you had to purchasing them?	ase the stan	dards, data	and/or tools One of	the	The main factor	heir cost a barr
and modelling tools  If you had to purchasing them?  ase answer for each of the second	ase the stan	dards, data	One of factor	the	The main factor	heir cost a bar

life cycle tool require additional training and supp	
Please choose one option only	
Not at all	
Limited extent	
Moderate extent	
Great extent	
☐ Very great extent	
If additional training and support was required, pleas	e identify the main areas where it was necessary:
Knowledge of standards or methods	
Calculation or modelling tool software use	
Access to and handling of data sets	
Other (please specify)	
Please identify the type of training and/or support that	nt was needed
Q10. If possible please provide an estimate of the indicator or tool.  Please record estimates in the table below. The time engaged in the test, including sub-contractors. The condocumentation, data, tools or training that needed to be	e estimate should include any personnel directly st estimate should be inclusive of any additional
	,
	Your estimate
Person days	
Cost in Euros	
Q11. Now that you have tested the indicator/life comprovements that would make it easier to use.  Please be as specific as possible in your suggestions.	
The value of using Level 2	

Level 2 is aimed at building professionals that wish to make meaningful comparisons between functionally equivalent buildings. The Level(s) framework lays down rules to support the comparability of results at

Extensive previous experience

national level or building portfolio level.

49

## Q12. To what extent did Level 2 prove to be useful in making comparisons between buildings? Please choose one option only Not at all Limited extent Moderate extent Great extent Very great extent Not sure If the value was moderate or higher, please identify how its use influenced the results The value of using Level 3 Level 3 represents the most advanced use of each indicator. The Level(s) framework provides guidance to support building professionals that wish to work at a more detailed level to model and improve performance. Q13. To what extent did Level 3 prove useful in obtaining more precise and reliable results? Please choose one option only Not at all Limited extent Moderate extent Great extent Very great extent Not sure If the value was moderate or higher, please identify how its use influenced the results 2.2 Life cycle tool: scenario 3 - Design for deconstruction, reuse and recycling Q1. To what extent was the indicator or life cycle tool easy and logical to use? Please answer for each of the following aspects

Not at all	Limited extent	Moderate extent	Great extent	Very great extent	Not relevant to this test

1.1 The guidance for making a common performance assessment provided in the JRC Level(s) documentation	0	•	•	•	•	•
1.2 The calculation method(s) and standards that are specified should be used	0	0	0	0	0	0
1.3 The unit of measurement that is specified should be used	0	0	0	0	0	0
1.4 <u>The reporting format</u> that is provided in the documentation	0	0	0	0	0	0
1.5 The suggested <u>calculation tools</u> and reference data sources	0	0	•	0	0	0
1.6 If used, the <u>Level 2 rules for</u> <u>comparative reporting</u>	0	0	0	0	0	0
1.7 If used, the <u>Level 3 aspects and</u> guidance notes	0	0	0	0	0	0
Q2. If comparisons were made of different building design options, to what extent did the indicator or life cycle tool help to do this?  Please choose one option only  Not at all Limited extent Great extent Very great extent Not sure  Q3. To what extent did you encounter any problems in obtaining a result for the indicator or life cycle tool?  Please choose one option only Not at all Limited extent						
<ul><li>Moderate extent</li><li>Great extent</li><li>Very great extent</li></ul>						
If the problems were moderate or higher, please identify the main problems encountered and, if relevant, how you overcame them or got around them.						

If you answer yes, please elaborate further in the box below  Yes  No
Please specify useful resources from previous projects
Q5. To what extent did you already have access to the required results from other assessments of
the building?
Please choose one option only
Not at all
Limited extent
Moderate extent
Great extent
Very great extent
Please identify the source of results that were already available

Q4. When making the assessment, were there any other specific references, datasets or tools you

had used on other building assessments that proved useful?

Q6. If you had to obtain the standards, data and/or tools in order to make the Level(s) assessment, how readily available were they?

	Not possible to obtain	Difficult to obtain	Some effort to obtain	Easy to obtain	Already had them	Not relevant to this test building
6.1 The technical standards used	0	0	0	0	•	0
6.2 The databases used	0	0	0	0	0	0
6.3 <u>Calculation</u> and modelling tools	0	0	0	0	•	0

Ω/							
<i>Please</i>	answer	tor	eacn	OI IN	e tolic	วพเทส	aspects

	Not at all	One of the factors	The main factor
7.1 The technical standards used	0	0	0
7.2 The <u>databases</u> used	0	0	0
7.3 <u>Calculation and modelling</u> tools	0	•	0

# Q8. How would you describe the previous experience of the test team with similar indicators or life cycle tools?

Please choose one option only
No previous experience
Limited previous experience
Some previous experience
Extensive previous experience
Q9. Based on the previous experience of the test team, to what extent did using this indicator or
ife cycle tool require additional training and support?
Please choose one option only
Not at all
Limited extent
☐ Moderate extent
Great extent
Very great extent
If additional training and support was required, <u>please identify the main areas where it was necessary</u> :
Knowledge of standards or methods
Calculation or modelling tool software use
Access to and handling of data sets
Other (please specify)
Please identify the type of training and/or support that was needed

Q10. If possible please provide an estimate of the cost and/or time that were required to use this indicator or tool.

Please record estimates in the table below. The time estimate should include	ide any personnel directly
engaged in the test, including sub-contractors. The cost estimate should be	inclusive of any additional
documentation, data, tools or training that needed to be acquired during the	test.

	Your estimate
Person days	
Cost in Euros	

Q11. Now that you have tested the indicator/life	cycle tool, please make any suggestions for
improvements that would make it easier to use.	

Please be as specific as possible in your suggestions

The value of using Level 2	
Level 2 is aimed at building professionals that wish to make meaningfuequivalent buildings. The Level(s) framework lays down rules to supponational level or building portfolio level.	•
Q12. To what extent did Level 2 prove to be useful in making com	parisons between buildings?
Please choose one option only	
Not at all	
Limited extent	
Moderate extent	
Great extent	
Very great extent	
Not sure	
If the value was moderate or higher, please identify how its use influer	nced the results

## The value of using Level 3

Level 3 represents the most advanced use of each indicator. The Level(s) framework provides guidance to support building professionals that wish to work at a more detailed level to model and improve performance.

## Q13. To what extent did Level 3 prove useful in obtaining more precise and reliable results?

Please choose one option	only
Not at all	

	Limited extent
	Moderate extent
	Great extent
	Very great extent
	Not sure
If	the value was moderate or higher, please identify how its use influenced the results

## 2.4 Life cycle tool: Cradle to cradle Life Cycle Assessment (LCA)

## Q1. To what extent was the indicator or life cycle tool easy and logical to use?

Please answer for each of the following aspects

	Not at all	Limited extent	Moderate extent	Great extent	Very great extent	Not relevant to this test
1.1 The guidance for making a common performance assessment provided in the JRC Level(s) documentation	0	0	0	0	0	•
1.2 The calculation method(s) and standards that are specified should be used	0	0	0	0	0	0
1.3 The unit of measurement that is specified should be used	0	0	0	0	0	0
1.4 The reporting format that is provided in the documentation	0	0	0	0	0	0
1.5 The suggested calculation tools and reference data sources	0	0	0	0	0	0
1.6 If used, the Level 2 rules for comparative reporting	0	0	0	0	0	0
1.7 If used, the <u>Level 3 aspects and</u> guidance notes	0	0	0	0	0	0

# Q2. <u>If comparisons were made of different building design options, to what extent did the indicator or life cycle tool help to do this?</u>

Please choose one option only
Not at all
Limited extent

Moderate extent
Great extent
Very great extent
■ Not sure
Q3. To what extent did you encounter any problems in obtaining a result for the indicator or life
cycle tool?
Planes change and entire only
Please choose one option only
Not at all
Limited extent
Moderate extent
Great extent
Very great extent
If the problems were moderate or higher, please identify the main problems encountered and, if
relevant, how you overcame them or got around them.
Q4. When making the assessment, were there any other specific references, datasets or tools you
44. When making the assessment, were there any other specific references, datasets or tools you
had used on other building assessments that proved useful?
had used on other building assessments that proved useful?
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below  Yes
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below  Yes No
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below  Yes
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below  Yes No
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below  Yes No
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below  Yes No
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below  Yes No
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below  Yes No  Please specify useful resources from previous projects
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below Yes No  Please specify useful resources from previous projects  Q5. To what extent did you already have access to the required results from other assessments of
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below Yes No  Please specify useful resources from previous projects  Q5. To what extent did you already have access to the required results from other assessments of
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below Yes No  Please specify useful resources from previous projects  Q5. To what extent did you already have access to the required results from other assessments of the building?
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below Yes No  Please specify useful resources from previous projects  Q5. To what extent did you already have access to the required results from other assessments of the building?  Please choose one option only Not at all
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below Yes No  Please specify useful resources from previous projects  Q5. To what extent did you already have access to the required results from other assessments of the building?  Please choose one option only Not at all Limited extent
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below Yes No  Please specify useful resources from previous projects  Q5. To what extent did you already have access to the required results from other assessments of the building?  Please choose one option only Not at all Limited extent Moderate extent
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below Yes No  Please specify useful resources from previous projects  Q5. To what extent did you already have access to the required results from other assessments of the building?  Please choose one option only Not at all Limited extent Moderate extent Great extent
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below Yes No  Please specify useful resources from previous projects  Q5. To what extent did you already have access to the required results from other assessments of the building?  Please choose one option only Not at all Limited extent Moderate extent
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below  Yes  No  Please specify useful resources from previous projects  Q5. To what extent did you already have access to the required results from other assessments of the building?  Please choose one option only  Not at all  Limited extent  Moderate extent  Great extent  Very great extent
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below Yes No  Please specify useful resources from previous projects  Q5. To what extent did you already have access to the required results from other assessments of the building?  Please choose one option only Not at all Limited extent Moderate extent Great extent
had used on other building assessments that proved useful?  If you answer yes, please elaborate further in the box below  Yes  No  Please specify useful resources from previous projects  Q5. To what extent did you already have access to the required results from other assessments of the building?  Please choose one option only  Not at all  Limited extent  Moderate extent  Great extent  Very great extent

# Q6. If you had to obtain the standards, data and/or tools in order to make the Level(s) assessment, how readily available were they?

Please answer for each of the following aspects

	Not possible to obtain	Difficult to obtain	Some effort to obtain	Easy to obtain	Already had them	Not relevant to this test building
6.1 The technical standards used	0	0	0	0	•	•
6.2 The databases used	0	0	0	0	0	•
6.3 <u>Calculation</u> and modelling tools	0	0	0	0	•	•

## Q7. If you had to purchase the standards, data and/or tools, to what extent was their cost a barrier to using them?

Please answer for each of the following aspects

	Not at all	One of the factors	The main factor
7.1 The technical standards used	0	0	0
7.2 The <u>databases</u> used	0	0	0
7.3 <u>Calculation and modelling</u> tools	0	0	0

# Q8. How would you describe the previous experience of the test team with similar indicators or life cycle tools?

Please choose one option only
No previous experience
Limited previous experience
Some previous experience
Extensive previous experience

Q9. Based on the previous experience of the test team, to what extent did using this indicator or life cycle tool require additional training and support?

Please choose one option only

Not at all	
Limited extent	
Moderate extent	
Great extent	
Very great extent	
If additional training and support was required, pleas	se identify the main areas where it was necessary:
Knowledge of standards or methods	
Calculation or modelling tool software use	
Access to and handling of data sets	
Other (please specify)	
Please identify the type of training and/or support tha	at was needed
Q10. If possible please provide an estimate of the	a cost and/or time that were required to use this
indicator or tool.	e cost and/or time that were required to use this
indicator of tool.	
Please record estimates in the table below. The time	e estimate should include any nersonnel directly
engaged in the test, including sub-contractors. The co	
documentation, data, tools or training that needed to be	<del></del>
	ne acquireg guring ine iesi
decumentation, data, toole or training that needed to s	oe acquirea during the test.
decumentation, data, toole or training true needed to s	Your estimate
-	
Person days  Cost in Euros	
Person days	
Person days Cost in Euros	Your estimate
Person days  Cost in Euros  Q11. Now that you have tested the indicator/life of	Your estimate
Person days Cost in Euros	Your estimate
Person days  Cost in Euros  Q11. Now that you have tested the indicator/life of improvements that would make it easier to use.	Your estimate  eycle tool, please make any suggestions for
Person days  Cost in Euros  Q11. Now that you have tested the indicator/life of	Your estimate  eycle tool, please make any suggestions for
Person days  Cost in Euros  Q11. Now that you have tested the indicator/life of improvements that would make it easier to use.	Your estimate  eycle tool, please make any suggestions for
Person days  Cost in Euros  Q11. Now that you have tested the indicator/life of improvements that would make it easier to use.	Your estimate  eycle tool, please make any suggestions for
Person days  Cost in Euros  Q11. Now that you have tested the indicator/life of improvements that would make it easier to use.	Your estimate  eycle tool, please make any suggestions for
Person days  Cost in Euros  Q11. Now that you have tested the indicator/life of improvements that would make it easier to use.  Please be as specific as possible in your suggestions.	Your estimate  eycle tool, please make any suggestions for
Person days  Cost in Euros  Q11. Now that you have tested the indicator/life of improvements that would make it easier to use.  Please be as specific as possible in your suggestions.  The value of using Level 2	Your estimate  eycle tool, please make any suggestions for
Person days  Cost in Euros  Q11. Now that you have tested the indicator/life of improvements that would make it easier to use.  Please be as specific as possible in your suggestions.  The value of using Level 2  Level 2 is aimed at building professionals that wish to	Your estimate  Eycle tool, please make any suggestions for  S  o make meaningful comparisons between functionally
Person days  Cost in Euros  Q11. Now that you have tested the indicator/life of improvements that would make it easier to use.  Please be as specific as possible in your suggestions.  The value of using Level 2	Your estimate  Eycle tool, please make any suggestions for  S  o make meaningful comparisons between functionally
Person days  Cost in Euros  Q11. Now that you have tested the indicator/life of improvements that would make it easier to use.  Please be as specific as possible in your suggestions.  The value of using Level 2  Level 2 is aimed at building professionals that wish to equivalent buildings. The Level(s) framework lays do	Your estimate  Eycle tool, please make any suggestions for  S  o make meaningful comparisons between functionally
Person days  Cost in Euros  Q11. Now that you have tested the indicator/life of improvements that would make it easier to use.  Please be as specific as possible in your suggestions.  The value of using Level 2  Level 2 is aimed at building professionals that wish to equivalent buildings. The Level(s) framework lays do national level or building portfolio level.	Your estimate  Eycle tool, please make any suggestions for  So make meaningful comparisons between functionally own rules to support the comparability of results at
Person days  Cost in Euros  Q11. Now that you have tested the indicator/life of improvements that would make it easier to use.  Please be as specific as possible in your suggestions.  The value of using Level 2  Level 2 is aimed at building professionals that wish to equivalent buildings. The Level(s) framework lays do	Your estimate  Eycle tool, please make any suggestions for  So make meaningful comparisons between functionally own rules to support the comparability of results at
Person days  Cost in Euros  Q11. Now that you have tested the indicator/life of improvements that would make it easier to use.  Please be as specific as possible in your suggestions.  The value of using Level 2  Level 2 is aimed at building professionals that wish to equivalent buildings. The Level(s) framework lays do national level or building portfolio level.  Q12. To what extent did Level 2 prove to be useful.	Your estimate  Eycle tool, please make any suggestions for  So make meaningful comparisons between functionally own rules to support the comparability of results at
Person days  Cost in Euros  Q11. Now that you have tested the indicator/life of improvements that would make it easier to use.  Please be as specific as possible in your suggestions.  The value of using Level 2  Level 2 is aimed at building professionals that wish to equivalent buildings. The Level(s) framework lays do national level or building portfolio level.	Your estimate  Eycle tool, please make any suggestions for  So make meaningful comparisons between functionally own rules to support the comparability of results at

■ Moderate extent
Great extent
Very great extent
■ Not sure
If the value was moderate or higher, please identify how its use influenced the results
The value of using Level 3
Level 3 represents the most advanced use of each indicator. The Level(s) framework provides guidance to support building professionals that wish to work at a more detailed level to model and improve performance.
Q13. To what extent did Level 3 prove useful in obtaining more precise and reliable results?
Please choose one option only
Not at all
Limited extent
Moderate extent
☐ Great extent
Very great extent
Not sure
If the value was moderate or higher, please identify how its use influenced the results
5.1 Life cycle tool: scenario 1 – Protection of occupier health and thermal comfort

## Q1. To what extent was the indicator or life cycle tool easy and logical to use?

	Not at all	Limited extent	Moderate extent	Great extent	Very great extent	Not relevant to this test
1.1 The guidance for making a common performance assessment provided in the JRC Level(s) documentation	0	•	0	0	0	•
1.2 The calculation method(s) and standards that are specified should be used	0	0	0	0	0	0

1.3 The unit of measurement that is specified should be used	0	0	0	0	0	0
1.4 The reporting format that is provided in the documentation	0	0	0	0	0	0
1.5 The suggested <u>calculation tools</u> and reference data sources	0	0	0	0	0	0
1.6 If used, the <u>Level 2 rules for</u> comparative reporting	0	0	0	0	0	0
1.7 If used, the <u>Level 3 aspects and</u> guidance notes	0	0	0	0	0	0
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent Not sure  Q3. To what extent did you encounter a cycle tool?  Please choose one option only Not at all Limited extent Moderate extent Great extent Great extent Very great extent Very great extent	any pro	blems in ok	otaining a res	sult for the	e indicato	or or life
If the problems were moderate or higher, relevant, how you overcame them or got a			main problem.	s encounte	ered and,	<u>íf</u>
Q4. When making the assessment, we had used on other building assessmen		-	-	ences, da	atasets or	tools you
If you answer yes, please elaborate further Yes No	er in the	box below				

. To what extent did	l vou already	have acces	s to the requ	ired result	ts from othe	er assessments
building?			•			
ease choose one opti	ion only					
Not at all						
Limited extent						
Moderate extent						
Great extent						
Very great extent						
		<i> </i>				
ease identify the sour	ce of results th	nat were aire	ady avaliable			
. If vou had to obtai	n the standar	ds. data an	d/or tools in	order to m	nake the Lev	vel(s) assessmei
. <u>If you had to obtai</u> w readily available v		ds, data an	d/or tools in	order to m	ake the Lev	/el(s) assessmei
		ds, data an	d/or tools in	order to m	ake the Lev	vel(s) assessmer
		ds, data an	d/or tools in	order to m	ake the Lev	/el(s) assessmei
	were they?		d/or tools in	order to m	ake the Lev	/el(s) assessmei
v readily available v	were they?		Some effort to obtain	Easy to obtain	Already had them	Vel(s) assessment  Not relevant to this test building
w readily available v	were they?  of the following  Not possible	ng aspects Difficult	Some effort to	Easy to	Already had	Not relevant to
ease answer for each  6.1 The  technical	were they?  of the following  Not possible	Difficult to obtain	Some effort to obtain	Easy to obtain	Already had them	Not relevant to

	Not at all	One of the factors	The main factor
7.1 The technical standards used	0	0	0

	7.2 The <u>databases</u> used	0	0	0						
	7.3 <u>Calculation and modelling</u> tools	0	0	0						
Q	Q8. How would you describe the previous experience of the test team with similar indicators or									
life	e cycle tools?									
Pl	lease choose one option only									
[	No previous experience									
[	Limited previous experience									
[	Some previous experience									
[	Extensive previous experience									
Q!	9. Based on the previous experien	ce of the test	team, to what exte	ent did using this	indicator or					
life	e cycle tool require additional train	ning and sup	port?							
Pl	lease choose one option only									
[	Not at all									
[	Limited extent									
[	Moderate extent									
[	Great extent									
[	Very great extent									
<i>If</i> .	additional training and support was r		se identify the main a	areas where it was	necessary:					
l	Knowledge of standards or methods									
l	Calculation or modelling tool softwa									
l	Access to and handling of data sets									
[	Other (please specify)									
PI	lease identify the type of training and	or support the	at was needed							
Q.	10. If possible <u>please provide an e</u>	stimate of the	e cost and/or time t	that were required	to use this					
in	dicator or tool.									
D	lasse record estimates in the table h	alow The tim	a actimata chauld in	oluda anv narsann	al directly					
	Please record estimates in the table below. The <u>time estimate</u> should include any personnel directly engaged in the test, including sub-contractors. The cost estimate should be inclusive of any additional									
_	documentation, data, tools or training that needed to be acquired during the test.									
				Your estimate						
	Person days									
-										

Cost in Euros

Q11. Now that you have tested the indicator/life cycle tool, please make any suggestions for improvements that would make it easier to use.
Please be as specific as possible in your suggestions
The value of using Level 2
Level 2 is aimed at building professionals that wish to make meaningful comparisons between functionally equivalent buildings. The Level(s) framework lays down rules to support the comparability of results at national level or building portfolio level.
Q12. To what extent did Level 2 prove to be useful in making comparisons between buildings?
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent Not sure
If the value was moderate or higher, please identify how its use influenced the results
The value of using Level 3
Level 3 represents the most advanced use of each indicator. The Level(s) framework provides guidance to support building professionals that wish to work at a more detailed level to model and improve performance.
Q13. To what extent did Level 3 prove useful in obtaining more precise and reliable results?
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent Not sure
If the value was moderate or higher, please identify how its use influenced the results

## **Indicator 6.1 Life Cycle Cost (LCC)**

## Q1. To what extent was the indicator or life cycle tool easy and logical to use?

Please answer for each of the following aspects

	Not at all	Limited extent	Moderate extent	Great extent	Very great extent	Not relevant to this test
1.1 The guidance for making a common performance assessment provided in the JRC Level(s) documentation	0	0	0	0	0	0
1.2 The calculation method(s) and standards that are specified should be used	0	0	0	0	0	0
1.3 The unit of measurement that is specified should be used	0	0	0	0	0	0
1.4 The reporting format that is provided in the documentation	0	0	0	0	0	0
1.5 The suggested calculation tools and reference data sources	0	0	0	0	0	0
1.6 If used, the Level 2 rules for comparative reporting	0	0	0	0	0	0
1.7 If used, the Level 3 aspects and guidance notes	0	0	0	0	0	0

## Q2. <u>If comparisons were made of different building design options, to what extent did the</u> indicator or life cycle tool help to do this?

Please choose one option only	
Not at all	
Limited extent	
Moderate extent	
Great extent	
Very great extent	
Not sure	

# Q3. To what extent did you encounter any problems in obtaining a result for the indicator or life cycle tool?

Please choose one option only

Not at all						
Limited extent						
Moderate extent						
Great extent						
Very great extent						
, -						
If the problems were i	noderate or high	her. please id	dentify the ma	in problem	s encounter	ed and. if
relevant, how you over	_	•		,		
			<del></del>			
Q4. When making the	e assessment.	were there	anv other spe	ecific refe	rences, data	asets or tools vou
had used on other bu			-		<b>,</b>	,
	3	•				
If you answer yes, ple	ase elaborate fu	urther in the	box below			
Yes						
□ No						
Places energify useful	racourage from	provious pr	vicata			
Please specify useful		previous pro	<i>Jecis</i>			
OF To what extent d	id vou olvoodv	hava aaaa	a ta tha wassii	und vonul	la frama atha	v coccomonto of
Q5. To what extent d	id you aiready	nave acces	s to the requi	rea resul	is from othe	er assessments of
the building?						
D/2222 2/2222 272 272	-4:					
Please choose one op	olion only					
Not at all						
Limited extent						
Moderate extent						
Great extent						
Very great extent						
Please identify the so	urce of results th	hat were alre	eady available			
Q6. If you had to obt	ain the standar	ds, data an	d/or tools in o	order to m	ake the Lev	vel(s) assessment,
how readily available	were they?					
Please answer for each	ch of the followir	ng aspects				
	Not	Difficult	Some	Easy	Already	Not relevant to
	possible	to	effort to	to	had	this test building
	to obtain	obtain	obtain	obtain	them	1 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3
	1	Jolain		Jolain		

6.1 The technical standards used	©	©	0	0	•	•
6.2 The databases used	©	0	0	0	0	•
6.3 <u>Calculation</u> and modelling tools	0	0	0	0	•	•

Please answer for each of the following aspects

Please choose one option onlyNo previous experienceLimited previous experience

Great extent

Very great extent

	Not at all	One of the factors	The main factor
7.1 The technical standards used	0	0	0
7.2 The <u>databases</u> used	0	0	0
7.3 Calculation and modelling tools	0	0	0

# Q8. How would you describe the previous experience of the test team with similar indicators or life cycle tools?

	Some previous experience
	Extensive previous experience
(	Q9. Based on the previous experience of the test team, to what extent did using this indicator or
ı	life cycle tool require additional training and support?

ine cycle tool require additional training and support.	
Please choose one option only	
Not at all	
Limited extent	
Moderate extent	

If additional training and support was required, please identify the main areas where it was necessary:

•				
Calculation or	modelling	tool	software	use

Knowledge of standards or methods

Access to and handling of data sets	
Other (please specify)	
Please identify the type of training and/or support the	at was needed
rease identity the type of training and/or support the	ai was needed
210. If possible <u>please provide an estimate of the</u> ndicator or tool.	e cost and/or time that were required to use this
indicator or tool.	
Please record estimates in the table below. The tim	e estimate should include any personnel directly
ngaged in the test, including sub-contractors. The co	
ocumentation, data, tools or training that needed to b	be acquired during the test.
	Vous orkinocka
Person days	Your estimate
Cost in Euros	
COSt III Euros	
Γhe value of using Level 2	
<b>.</b>	o make meaningful comparisons between functionall
equivalent buildings. The Level(s) framework lays do national level or building portfolio level.	own rules to support the comparability of results at
lational level of building portiono level.	
Q12. To what extent did Level 2 prove to be usefu	ul in making comparisons between buildings?
•	<u> </u>
Please choose one option only	
Not at all	
Limited extent	
Moderate extent	
Great extent	
<ul><li>✓ Very great extent</li><li>✓ Not sure</li></ul>	
i Not sure	
f the value was moderate or higher, please identify i	how its use influenced the results
5 - , <u>= = = = = = = = = = = = = = = = = = </u>	

#### The value of using Level 3

Level 3 represents the most advanced use of each indicator. The Level(s) framework provides guidance to support building professionals that wish to work at a more detailed level to model and improve performance.

#### Q13. To what extent did Level 3 prove useful in obtaining more precise and reliable results?

Please	cnoose one option only
No	ot at all
Lin	mited extent
■ Mc	oderate extent
Great Great	reat extent
Ve	ery great extent
No.	ot sure
If the va	alue was moderate or higher, please identify how its use influenced the results

#### Indicator 6.2 Value creation and risk factors

The focus of indicator 6.2 is on those aspects of a more sustainable building performance that have the potential to create financial value or to expose owners and investors to risks and liabilities in the future.

The information reported for indicator 6.2 is intended to highlight whether sustainability performance aspects have been taken into account in a market valuation, and to provide those making the valuation with information on the reliability of the underlying data and calculation methods on which a reported performance is based.

#### Q1. To what extent was the indicator or life cycle tool easy and logical to use?

	Not at all	Limited extent	Moderate extent	Great extent	Very great extent	Not relevant to this test
1.1 The guidance for making a common performance assessment provided in the JRC Level(s) documentation	0	•	0	0	0	•
1.2 The calculation method(s) and standards that are specified should be used	0	0	•	0	0	•

1.3 <u>The unit of measurement</u> that is specified should be used	0	0	0	0	0	0
1.4 The reporting format that is provided in the documentation	0	0	0	0	0	0
1.5 The suggested <u>calculation tools</u> and reference data sources	0	0	0	0	0	0
1.6 If used, the <u>Level 2 rules for</u> <u>comparative reporting</u>	0	0	0	0	0	0
1.7 If used, the <u>Level 3 aspects and</u> guidance notes	0	0	0	0	0	0
Please choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent Not sure  Q3. To what extent did you encounter a cycle tool?  Please choose one option only	any prol	blems in ob	otaining a res	sult for the	e indicato	or or life
Not at all						
Limited extent						
Moderate extent						
Great extent						
Very great extent						
If the problems were moderate or higher, relevant, how you overcame them or got an			main problem	s encount	ered and,	<u>if</u>
Q4. When making the assessment, wer		-	-	ences, da	atasets or	tools you
If you answer yes, please elaborate further Yes No	er in the	box below				

Please specify use	eful resources from p	previous pro	jects			
Q5. To what exter	nt did you already	have acces	s to the requi	red result	s from othe	er assessments of
the building?						
_, ,						
Please choose one	e option only					
Not at all						
Limited extent						
Moderate exte	ent					
Great extent						
Very great extended	ent					
Please identify the	source of results th	at were alre	ady available			
Q6. If you had to	obtain the standar	ds. data an	d/or tools in d	order to m	ake the Lev	vel(s) assessment,
how readily availa		,				(-)
	<u> </u>					
Please answer for	each of the following	n asnects				
	- Cach of the following					
	Not possible to obtain	Difficult to obtain	Some effort to obtain	Easy to obtain	Already had them	Not relevant to this test building
		UDIAIII		Oblaiii	u le i i i	

	Not possible to obtain	Difficult to obtain	Some effort to obtain	Easy to obtain	Already had them	Not relevant to this test building
6.1 The technical standards used	0	0	0	0	0	0
6.2 The databases used	0	0	0	0	0	•
6.3 <u>Calculation</u> and modelling tools	0	0	0	0	0	0

	Not at all	One of the factors	The main factor
7.1 The technical standards used	0	0	0

	7.2 The <u>databases</u> used	0	0	0	
	7.3 <u>Calculation and modelling</u> tools	0	0	0	
	8. How would you describe the pre e cycle tools?	evious experi	ence of the test tea	ım with similar ind	dicators or
Q	No previous experience Limited previous experience Some previous experience Extensive previous experience  9. Based on the previous experience e cycle tool require additional train			ent did using this	indicator or
P	lease choose one option only  Not at all Limited extent Moderate extent Great extent Very great extent				
If.	<ul> <li>additional training and support was r</li> <li>Knowledge of standards or methods</li> <li>Calculation or modelling tool softwa</li> <li>Access to and handling of data sets</li> <li>Other (please specify)</li> </ul>	re use	se identify the main a	areas where it was	necessary:
F	llease identify the type of training and	Vor support tha	at was needed		
in P en	10. If possible please provide an edicator or tool.  See all please record estimates in the table begaged in the test, including sub-contribution, data, tools or training the	elow. The <u>time</u> actors. The <u>cc</u>	e estimate should in ost estimate should l	clude any personn be inclusive of any	el directly
			_	Your estimate	
	Person days				

Cost in Euros

Q11. Now that you have tested the indicator/life cycle tool, please make any suggestions for

improvements that would make it easier to use.

Please be as specific as possible in your suggestions