

SMART SPP Life-cycle Costing and CO₂ assessment tool

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Whole Lifecycle Costing - areas

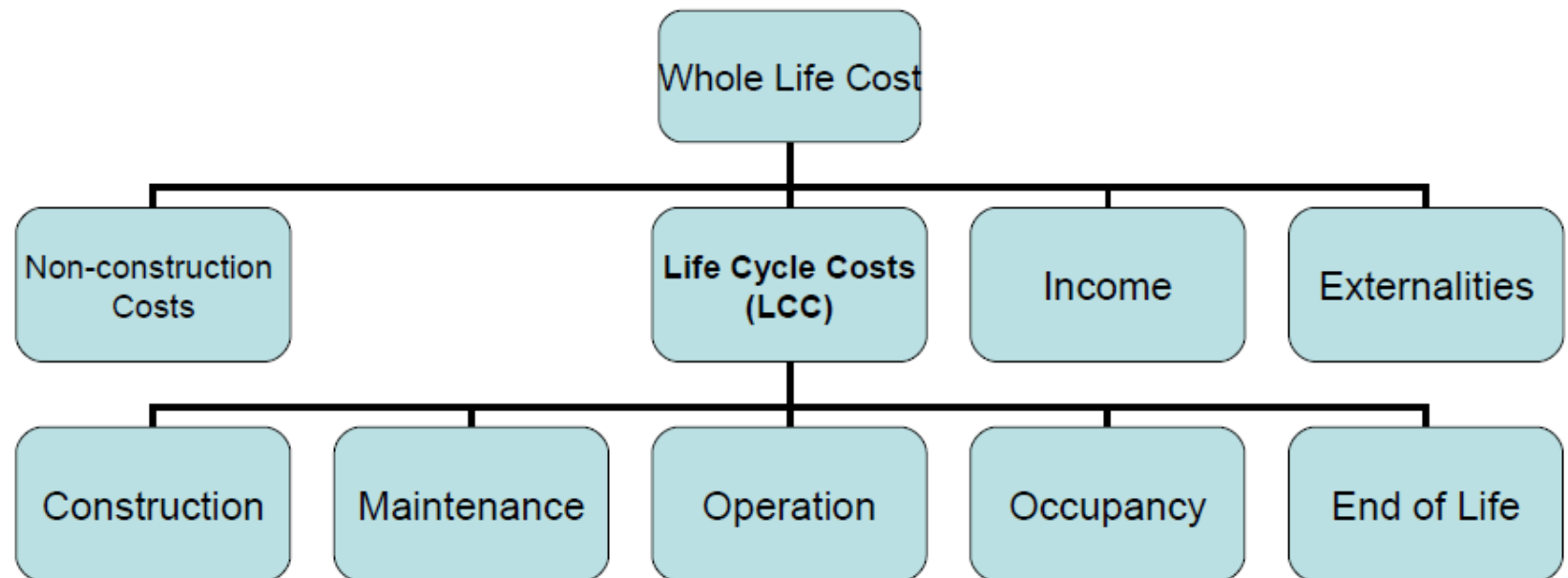


Whole Life Costing is most commonly used for:

- option evaluation when procuring new assets,
- decision-making to minimise whole-life costs throughout the life of an asset,
- comparison of actual costs for similar asset types,
- as feedback into future design and acquisition decisions.



Important aspects



→ SMART SPP approach – amend concept by taking into account CO₂ emissions

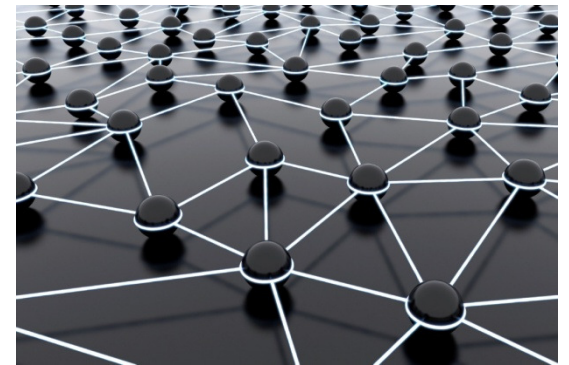


In summary

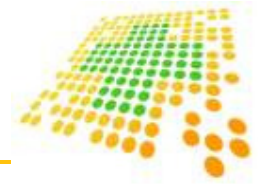
Taking an LCC approach allows **comparative cost assessments** to be made over a specific **period of time**, taking into account relevant economic factors both in terms of initial capital costs and future operational and asset replacement costs.

Typical benefits can include:

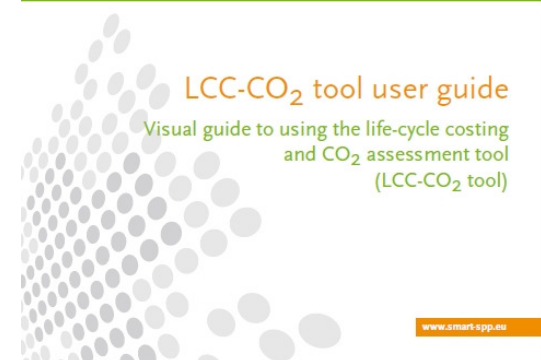
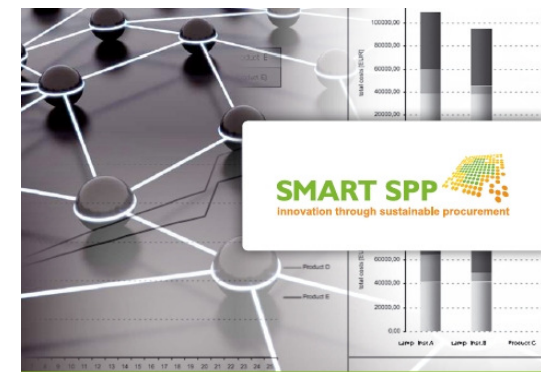
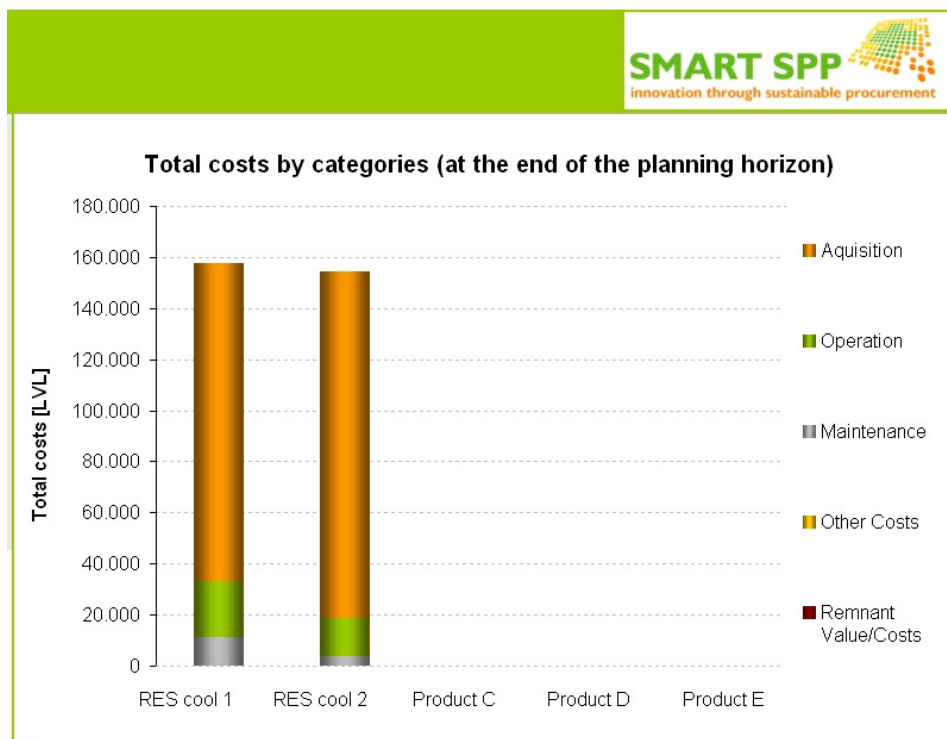
- Greater transparency of future costs
- Improved awareness of total costs
- Evaluation of competing options
- Better forecasting



SMART SPP LCC-CO₂ Tool



- Microsoft Excel[®] Tool (html-version planned for 2011)
- Supports procurers in calculating life-cycle costs and CO₂ emissions of innovative products and services
- Graphical display of results and tender evaluation





Purpose of the Tool



- Supports procurement decision-making, e.g. by tender evaluation
- Can be applied for all products and services relevant in public procurement
- Can also be used for assessment of current solutions and for monitoring purposes
- Enables public communication of reduced cost and CO₂ emissions

Color-coded features of the sheets



LCC & CO2 - Calculation for Procurement Activities
 A user guide has been developed to help you use this tool. You can download it at www.smart-spp.eu.

General Information

Tender ID

Information to be specified by the procurer

Your location [country] Currency *not specified yet*

Planning horizon [years]

Discount rate (nominal) [%]

Inflation rate [%]

CO₂eq emission factors [%]

Information to be specified by the supplier

Product Offers

Product A	Product B	Product C	Product D	Product E
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

For more product columns click on the expansion button [+] at the top

Life-cycle Costing (LCC) Information

Discount rate [%] 0

Inflation rate [%] 0

Acquisition Costs

Purchase price [0/unit]

or Specify annual investment costs >>

Installation costs for all units [0]

Initial one-off costs [0]

	Product A	Product B	Product C	Product D	Product E
Purchase costs [after 25 years]	0,00	0,00	0,00	0,00	0,00
Installation costs [after 25 years]	0,00	0,00	0,00	0,00	0,00
Initial one-off cost [after 25 years]	0,00	0,00	0,00	0,00	0,00

Introduction | General | LCC_Diagrams | CO2_Diagrams | Tenders Evaluation | Conversion Factors | Glossary | Emission Factor:

Text/Calculations.

Input data cells

Links to other sheets (and back).

Helpful Comments (move your cursor over it to view them)

Dropdown menu



Let's work with the Tool!



Download the LCC-CO₂-Tool and User Guide at <http://www.smart-spp.eu/guidance>

Available in English, Spanish, Portuguese, Danish and German

Coming back to work next week and having another question on the SMART SPP LCC-CO₂ Tool?

Do not hesitate to contact me:

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