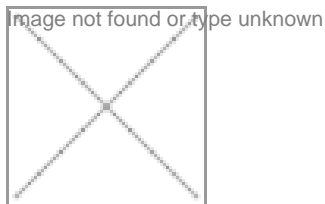


STYLE Ideal Toolkit Framework

Project:

Sustainability Toolkit for easY Life-cycle Evaluation

Project website: www.spire2030.eu/style This project has received funding from the European Union's Horizon 2020 research and Innovation programme under grant agreement No 636771.



Sector:

Cement

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Ceramics

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Chemicals

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Engineering

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Minerals

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Non-ferrous metals

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Steel

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Water

Summary:

STYLE focused on specific scenario: “A project team is evaluating options for a resource or energy improvement for their process or product and they need a pragmatic tool to check the broader sustainability implications of each technological solution”.

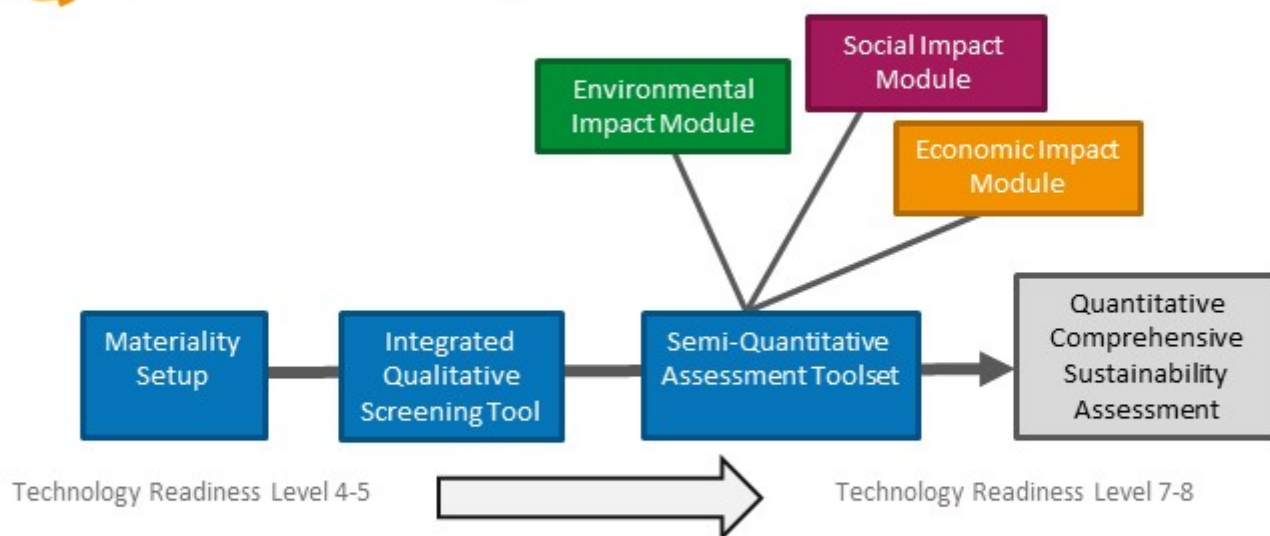
A key recommendation of STYLE was the need to develop an Ideal Toolkit for the STYLE scenario. The STYLE framework details the high-level features and functions of this toolkit.

Click on toolkit modules for further information



STYLE Ideal Toolkit Framework

A high-level view of features and functions



Project STYLE set out with a remit to look for an ideal collection of tools to meet the needs of the *STYLE scenario**. Although promising *features* were found in existing open access tools, the most suitable tools found were developed in-house by industry and lacked availability and transferability to be used across the SPIRE process industries. Consequently, STYLE has worked with project partners and stakeholders to develop a high-level structure for an 'Ideal Toolkit', taking useful features from existing tools and feedback from tool users.

The Ideal Toolkit should be able to perform assessments in, and across, any of the SPIRE process industry sectors, for projects between Technology Readiness Level 4-7. In order to meet the needs of the different sectors and scenarios, the Toolkit is structured as a series of modules:

- An upfront Materiality setup to define the goal and scope of the assessment
- An Integrated Qualitative Screening Tool to facilitate a initial comparison between the technological solution and a baseline
- A Semi-Quantitative Toolset to investigate areas of interest or concern from the screening assessment

Although the toolkit is targeted at those who are not sustainability specialists, it is recommended that expert and non-expert modes are provided to allow different levels of access to data, background methodologies and more complex calculation options. The toolkit should be trainable to non-specialists in no more than half a day; additional help and user forums should be web-based.

Through all stages and sustainability pillars, a Life Cycle Thinking approach should be taken and the toolkit should be able to highlight sustainability benefits as well as impacts (e.g. use value or job creation).

***STYLE Scenario:** A project team is evaluating options for a resource or energy improvement for their process or product and they need a pragmatic tool to check the broader sustainability implications of each technological solution

For more information see: www.spire2030.eu/style



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