



# Why ProScale?

Possible application of ProScale in the future regulatory framework

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# ProScale





## From the construction chemicals perspective

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- Until now, the demand for LCA data of construction products and their raw materials was mainly market-driven
- Market-driven demand was mainly triggered by the application of certification schemes for the sustainability of buildings

**Under the European Green Deal, LCA data is now becoming the subject of European legislative initiatives**



# Selected Initiatives from the European Green Deal

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- Circular Economy Package I (30.03.2022)
  - Revision of the Construction Products Regulation (CPR)
  - Ecodesign requirements for Sustainable Products Regulation (ESPR)
- Circular Economy Package II (22.03.2023)
  - Green Claims Directive
- Implementation of the Chemicals Strategy for Sustainability (CSS)
  - REACH Revision (expected for Q4/2023)
  - Safe and Sustainable by Design (SSbD)

# Revision of the Construction Products Regulation (CPR)

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- Most likely, the assessment and declaration of environmental sustainability will become mandatory for harmonised construction products.
- *Human toxicity* and *eco-toxicity* are mentioned as relevant LCA indicators.
- COM plans to install an EU database with background data for the raw materials used. This will likely include data on the LCA indicators toxicity and eco-toxicity.

# Eco-design requirements for Sustainable Products Regulation

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- *Environmental impacts and environmental footprint* are Ecodesign requirements
- Product`s life cycle environmental impact in relation to environmental impact categories need to be assessed

# REACH Revision


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- For the LCA of products, LCA data for the substances contained are needed
- Therefore, it is currently being discussed whether the environmental footprint of substances should be included in the data requirements for registration under REACH.
- As an alternative, the COM is considering new legislation to make data on the environmental footprint of substances available.



# Safe and sustainable by design (SSbD)

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- Pilot projects are currently underway on the concept of "safe and sustainable design" (SSbD) within the framework of the Chemicals Strategy on Sustainability (CSS)
  - Environmental sustainability assessment (incl. toxicity and eco-toxicity) is part of the SSbD criteria for chemicals and materials
  - ProScale is one of the methods used in SSbD pilot projects
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# Green Claims Directive


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- Supplier must carry out an assessment to substantiate their Green Claims based on recognized scientific evidence.
- Supplier must demonstrate that environmental impacts, that are subject to the Green Claim are significant from a life-cycle perspective;
- Appropriate methods are needed






*In the context of all the above-mentioned European legislative initiatives, the question of how toxicity and ecotoxicity are to be assessed from a life cycle perspective will probably have to be answered.*



An appropriate method for assessing the LCA indicators toxicity and eco-toxicity is needed.

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- Other approaches does not always provide comprehensible results and are not always useful to apply.
  - ProScale could be a useful complement to existing approaches and should be further validated.
  - Therefore, ProScale could play an important role in the development and implementation of the above-mentioned legislative initiatives.
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# Webinar co-sponsors

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