

Preserving the complexity of EPD's in a building-LCA context

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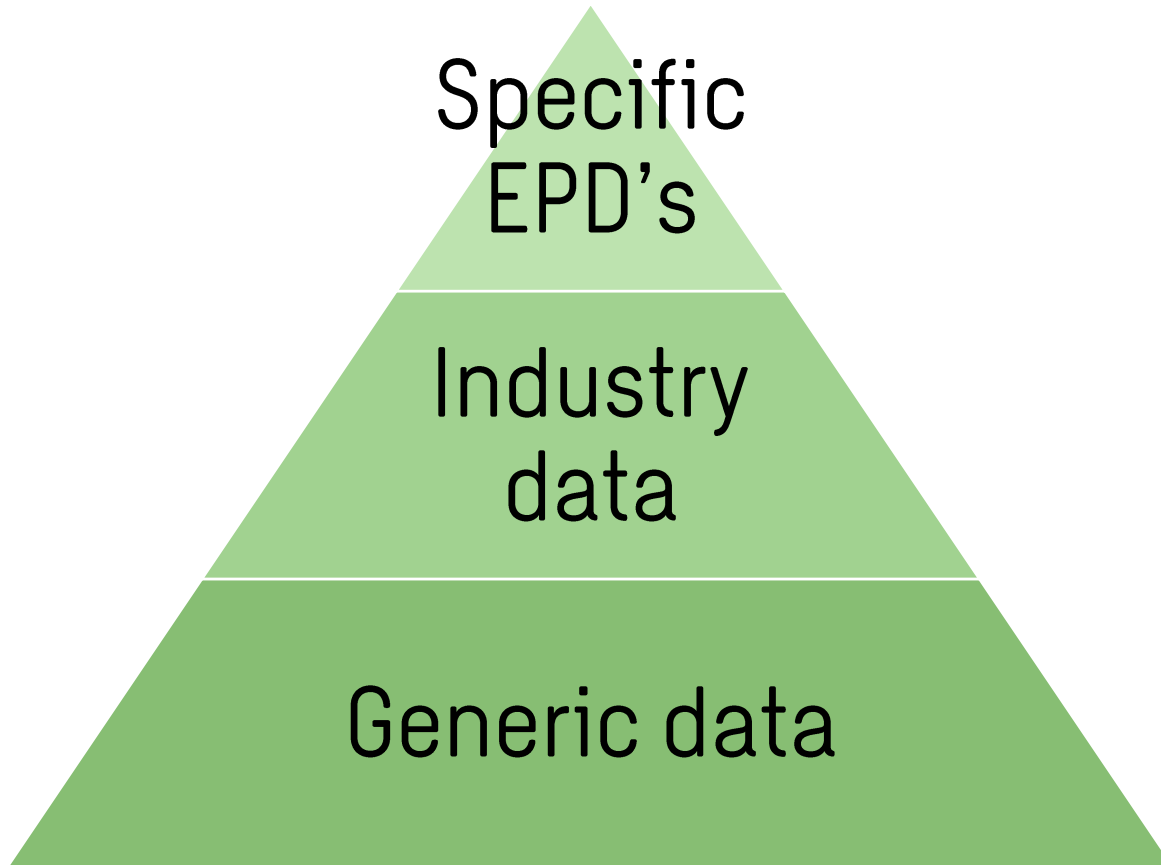
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LCA at the Building Level



EPD's and Building-level-LCA relationship



HVAC ERPD Challenges

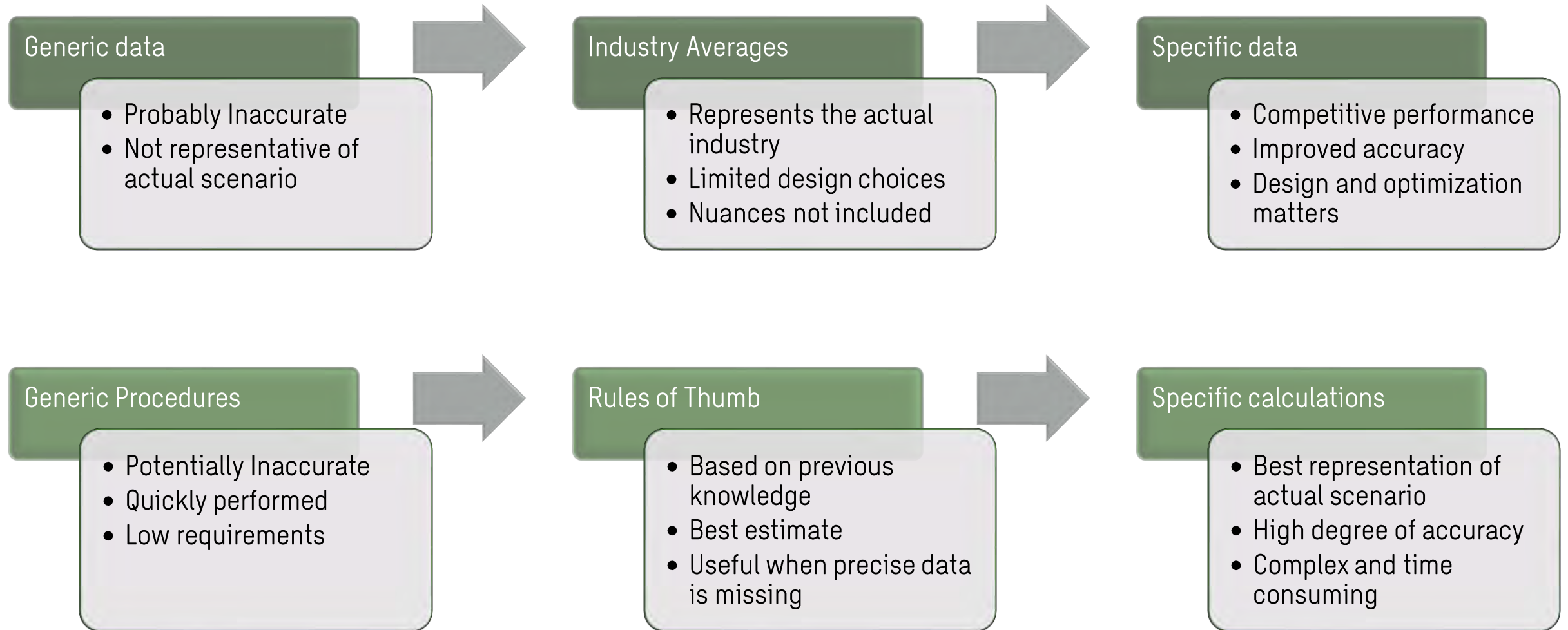
Upstream

Downstream

Current practice on HVAC in building LCA: How much air?



From Generic to Specific – Data and Procedures



Concrete as an example

Generic Data

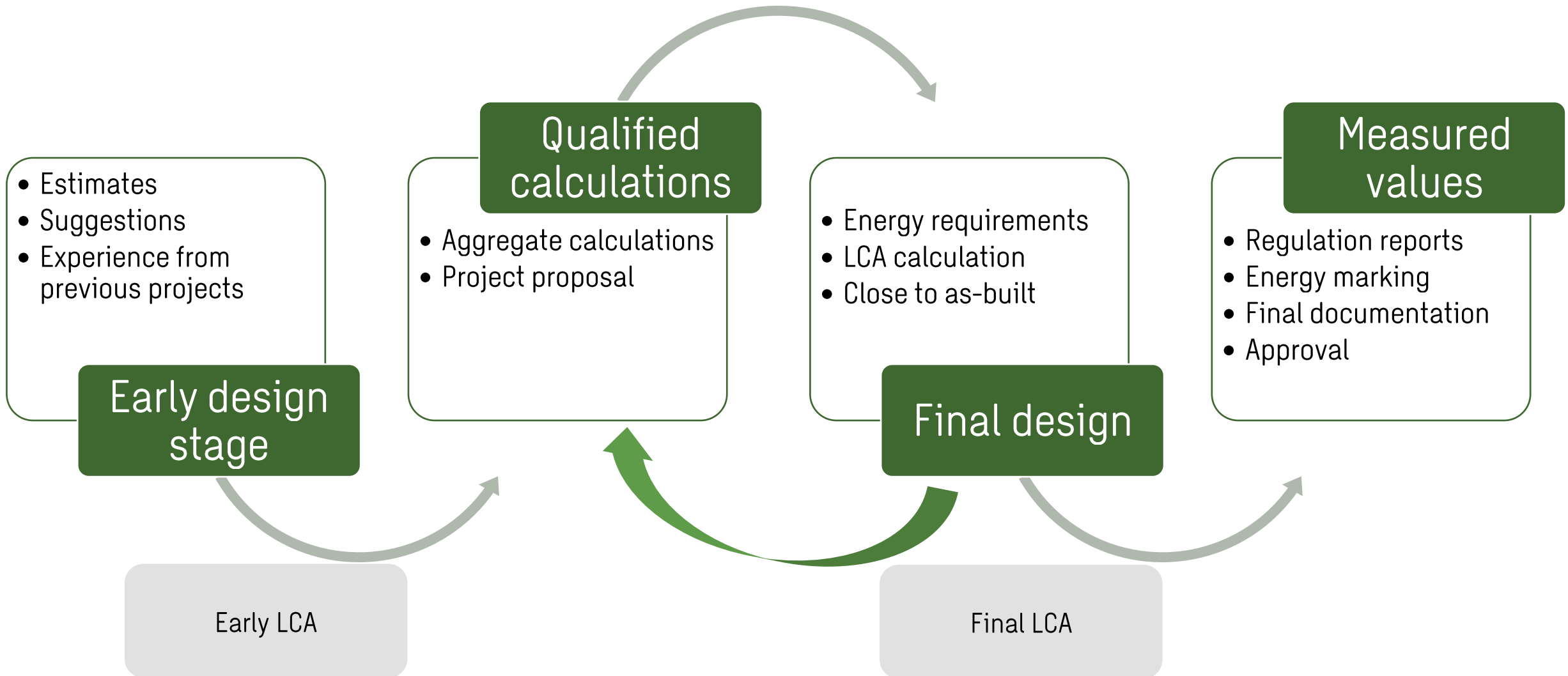
Industry
EPD's

EPD-
generator

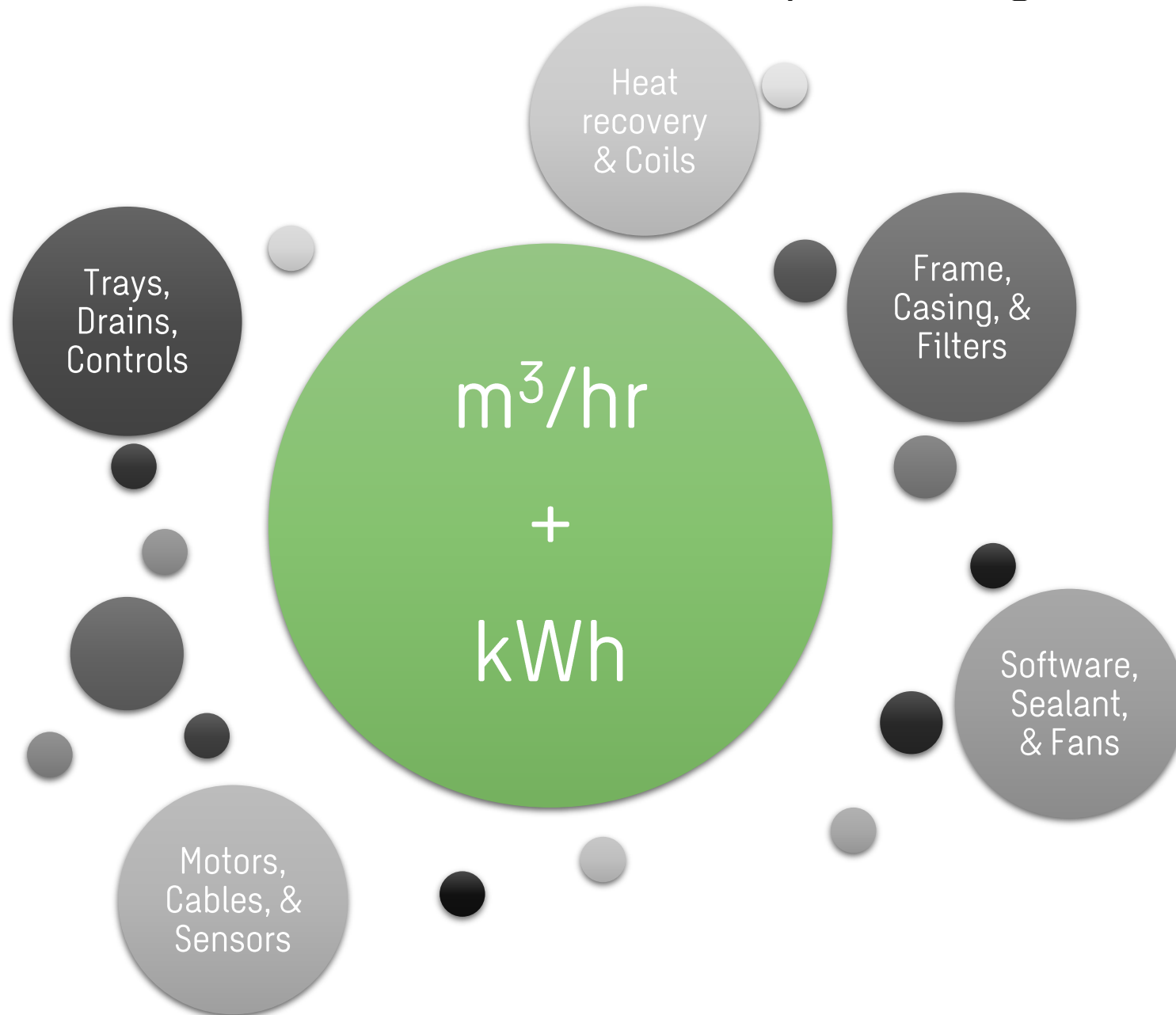
Producer
specific
EPD's

Project-level
EPD's





EPD choices made that are not impacting building-LCA

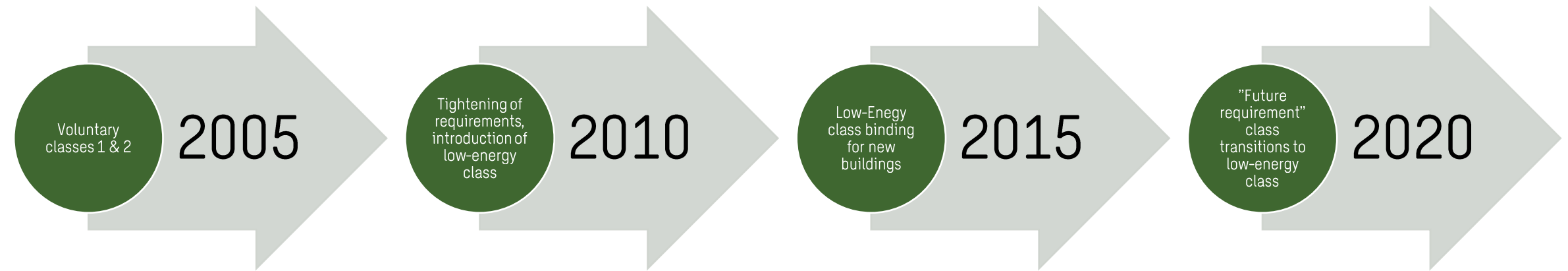


Data, or requirement of data?

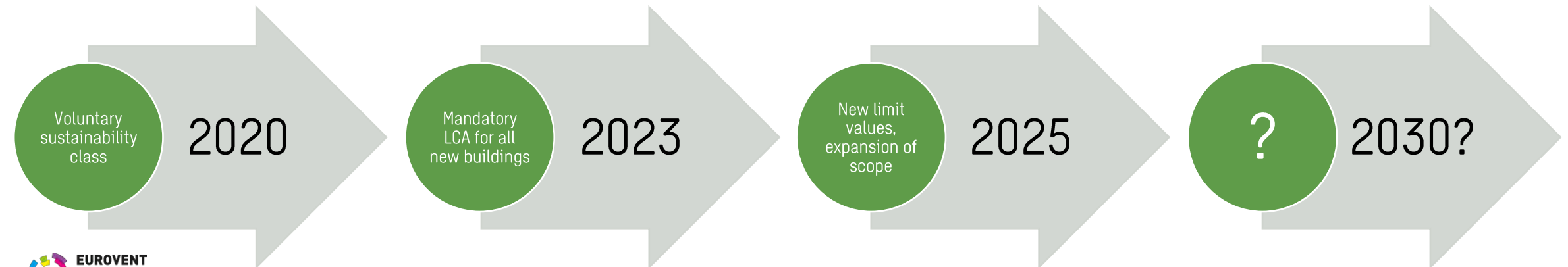


What comes first?

Energy design



Climate change design



A 3D illustration of a puzzle. A large section of the puzzle is missing, represented by a red rectangular block. The puzzle pieces are white with black outlines. The red block is positioned in the center-left of the image, and the puzzle pieces are arranged in a grid pattern. The red block is slightly elevated from the surface of the puzzle pieces.

Missing piece?

LCA calculation tool
for building services



Building-
level
LCA's

Energy
design

EPD's

One
unified
platform?