

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

Asger Wendt Karl

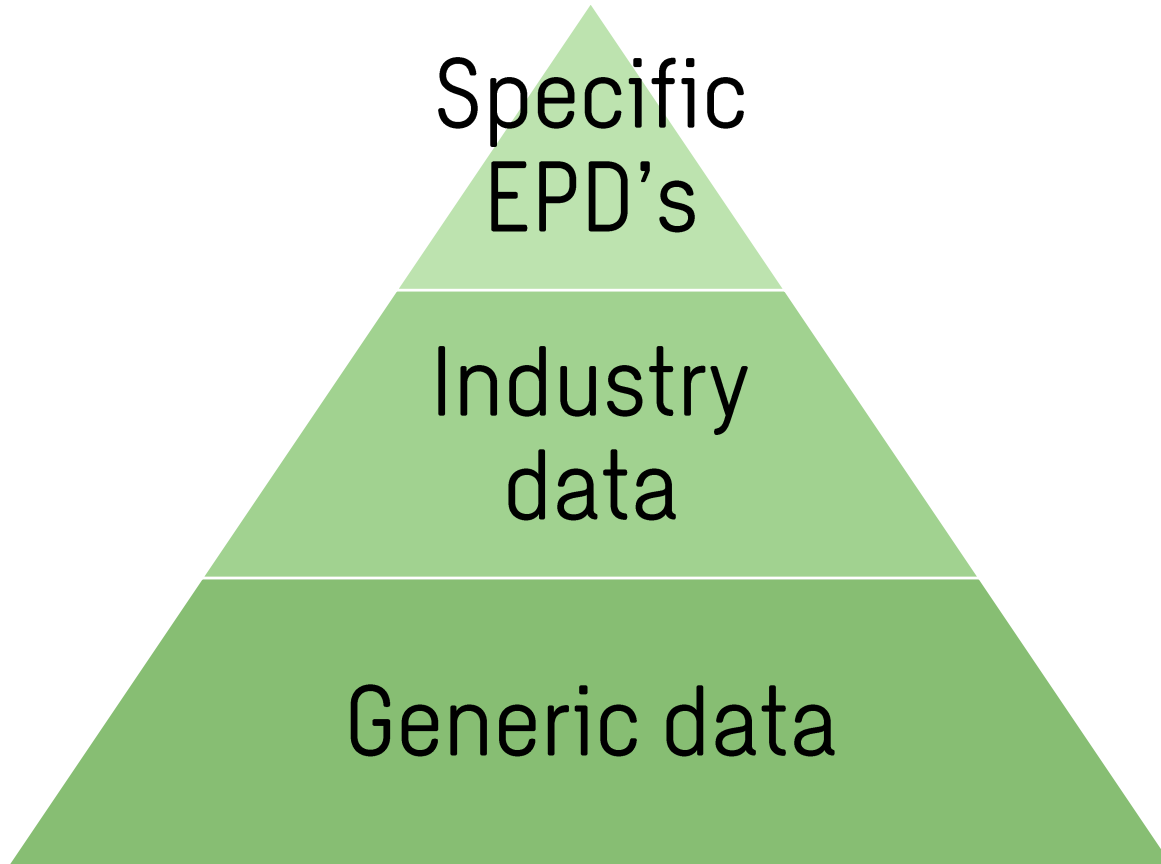
Senior Sustainability Specialist
Sweco



LCA at the Building Level



EPD's and Building-level-LCA relationship



HVAC ERPD Challenges

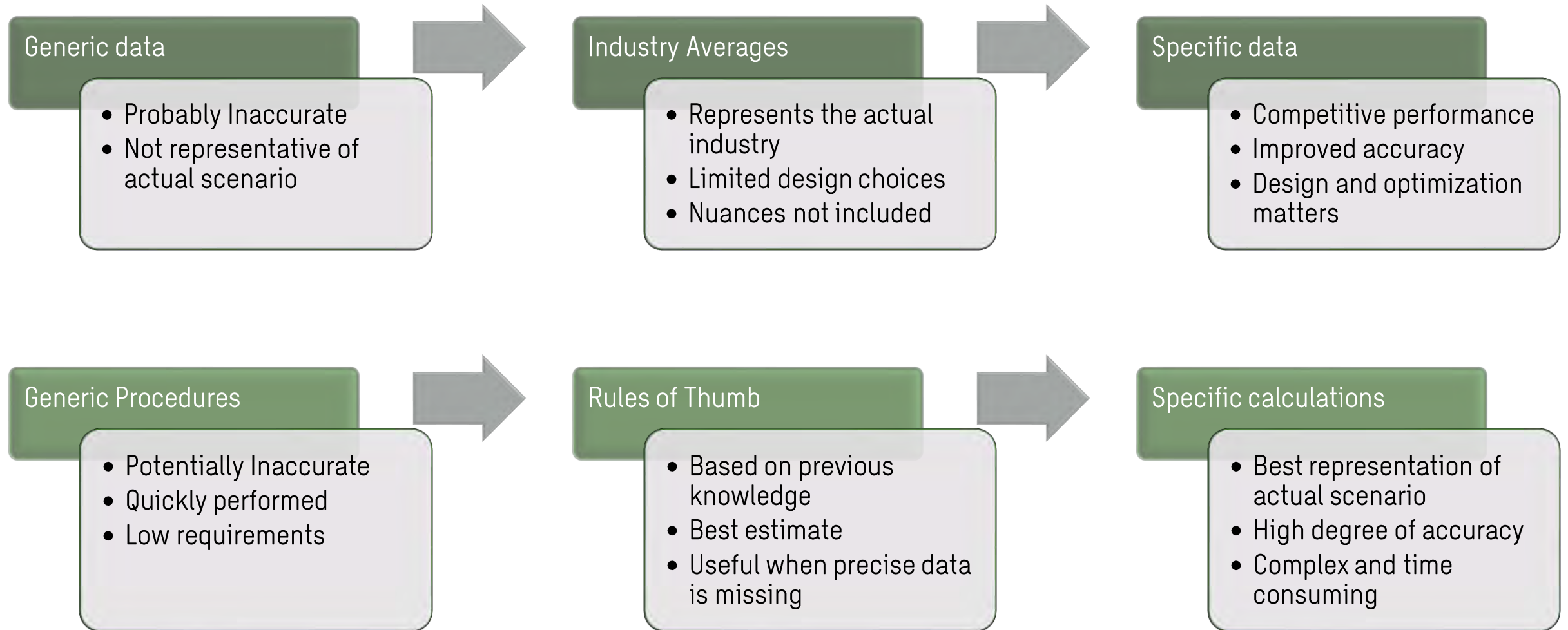
Upstream

Downstream

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



From Generic to Specific – Data and Procedures



Concrete as an example

Generic Data

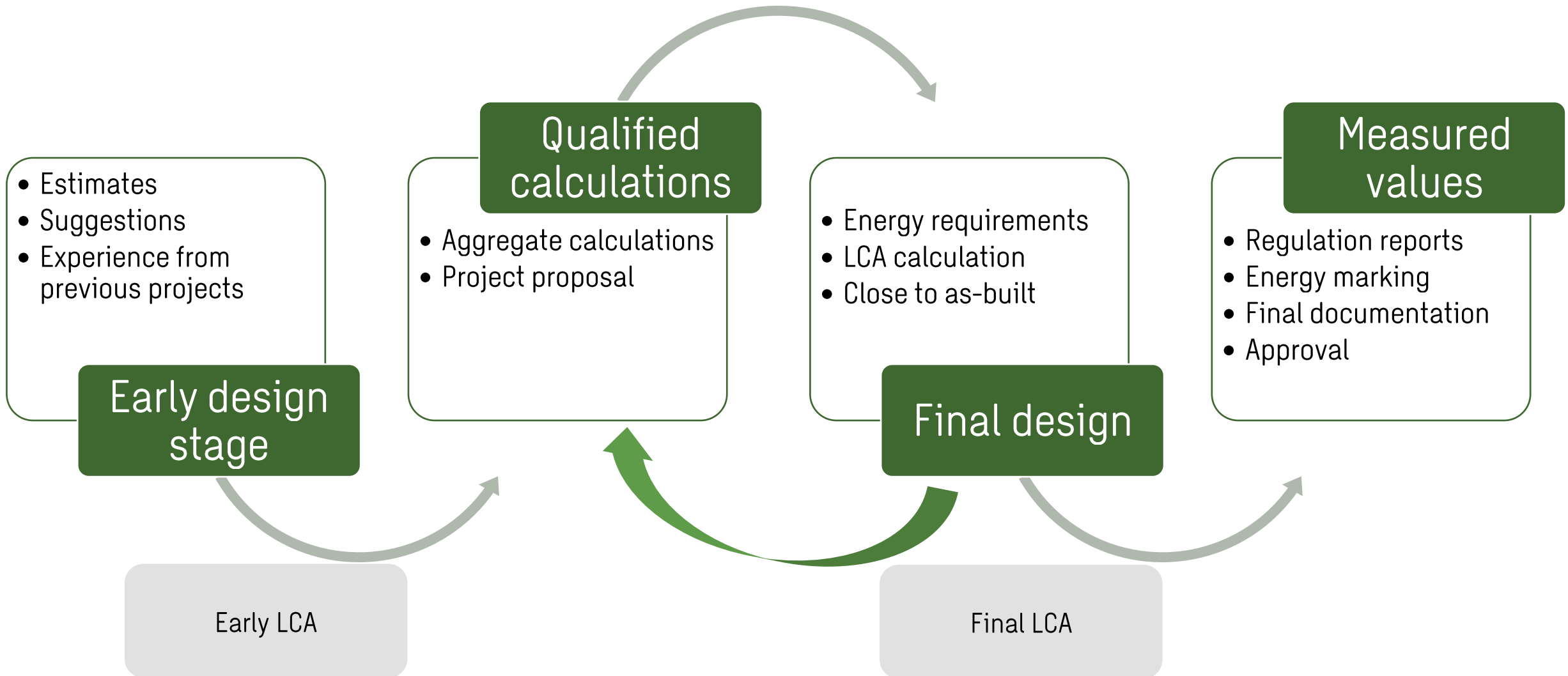
Industry
EPD's

EPD-
generator

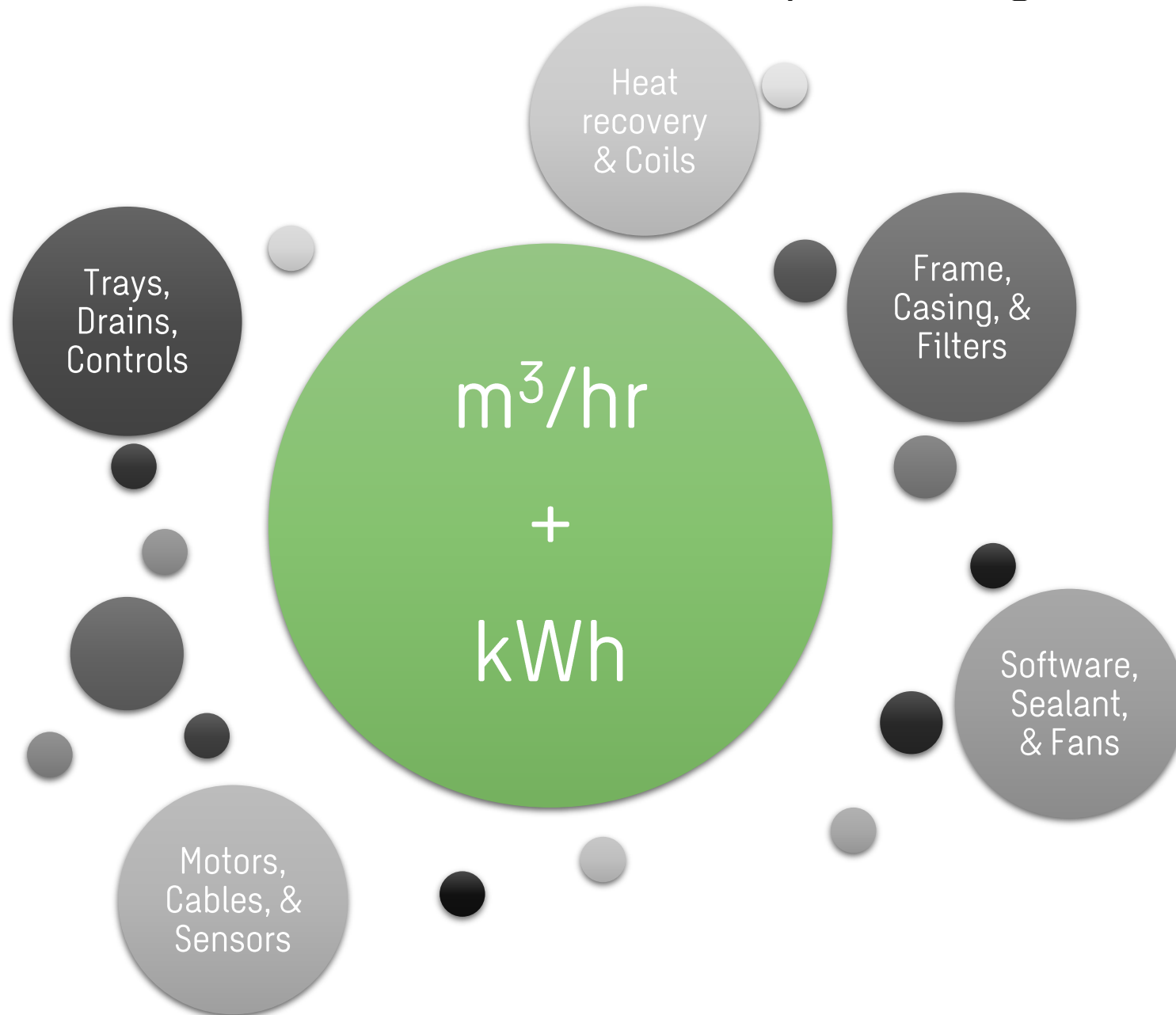
Producer
specific
EPD's

Project-level
EPD's





EPD choices made that are not impacting building-LCA

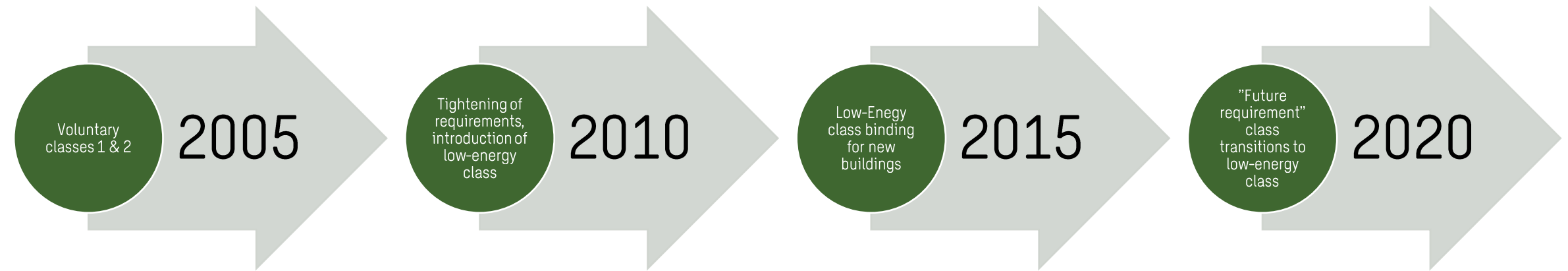


Data, or requirement of data?

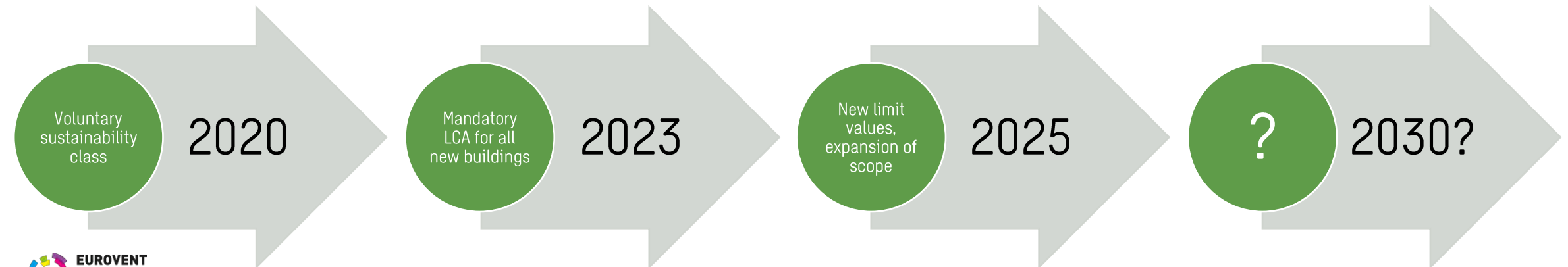


What comes first?

Energy design



Climate change design





Missing piece?

LCA calculation tool
for building services



Building-
level
LCA's

Energy
design

EPD's

One
unified
platform?