

Finnish approach to climate declarations and limit values

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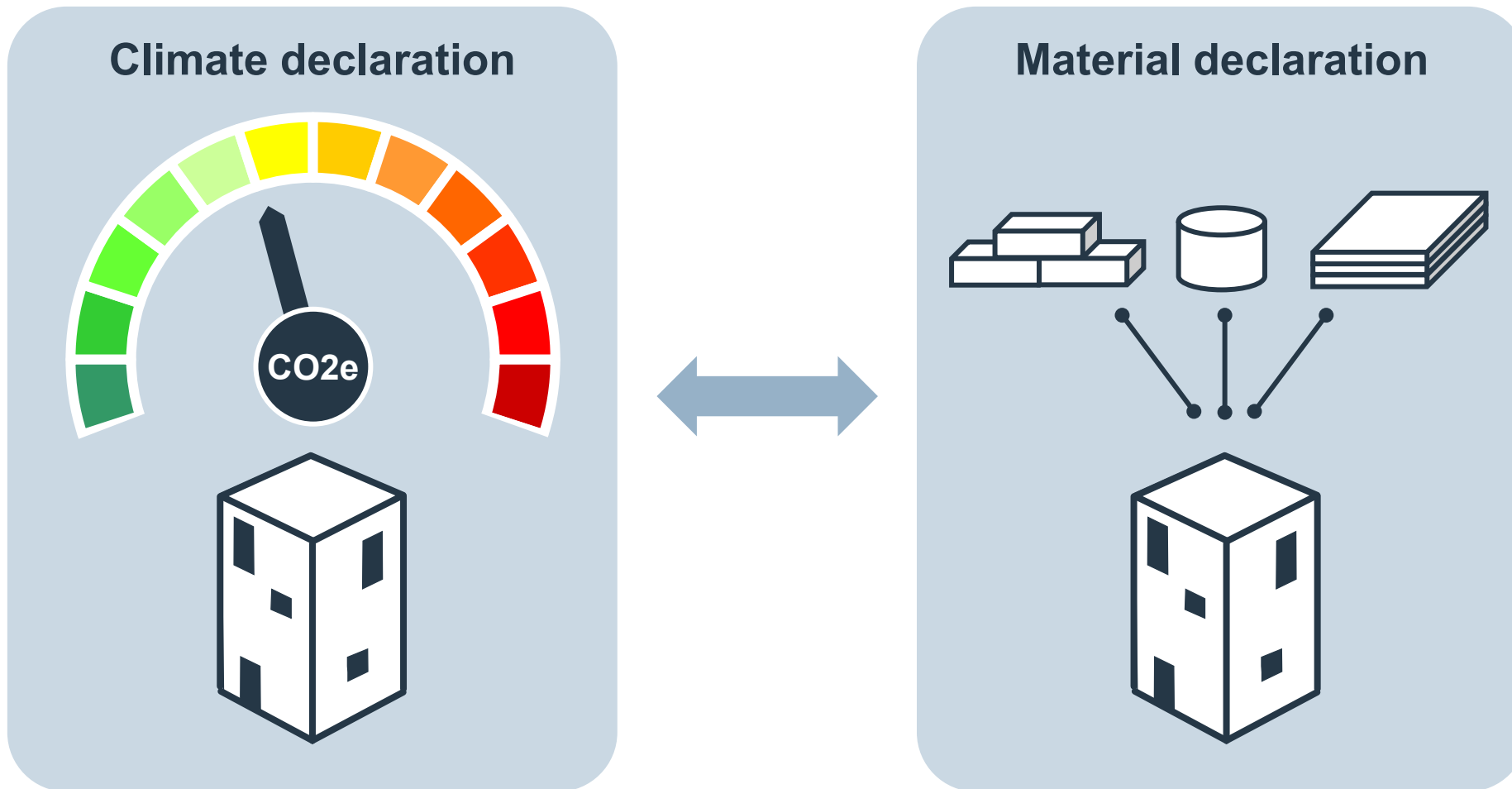
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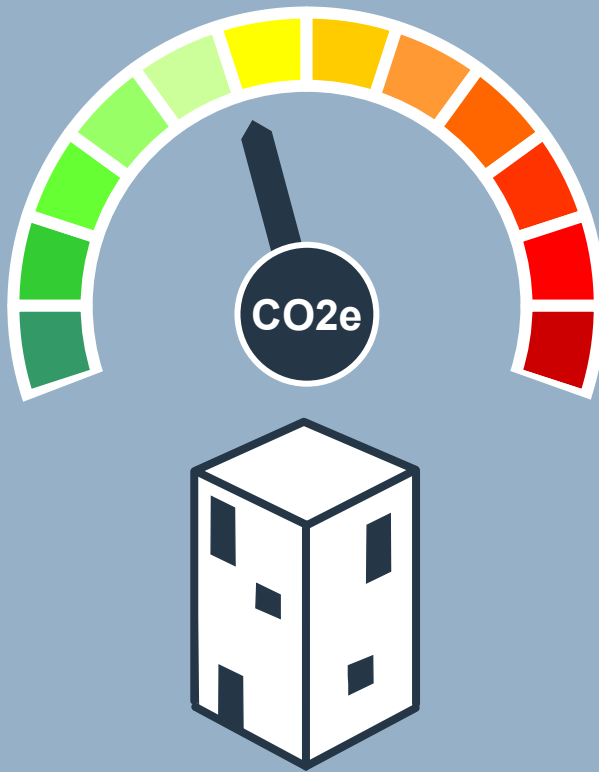


Planned regulation in Finland: Climate declaration + material declaration



Planned regulation in Finland: Climate declaration + material declaration

Climate declaration



Carbon footprint

- Mandatory Climate Declaration for all building projects that require a building permit
- Limit values for new buildings

Carbon handprint

Potential climate benefits based on EN standards

- Net benefits from reuse, recycling or energy recovery
- Long-term carbon storages
- Carbonisation of concrete
- Surplus renewable energy
- Planted trees

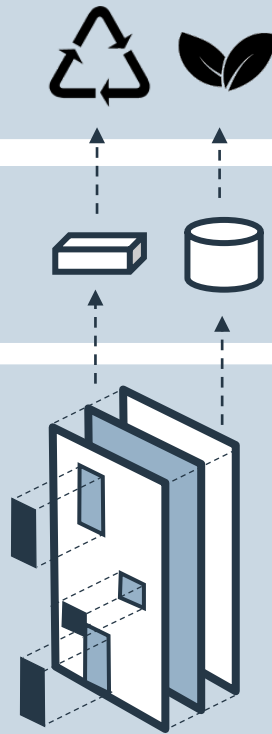


Planned regulation in Finland: Climate declaration + material declaration

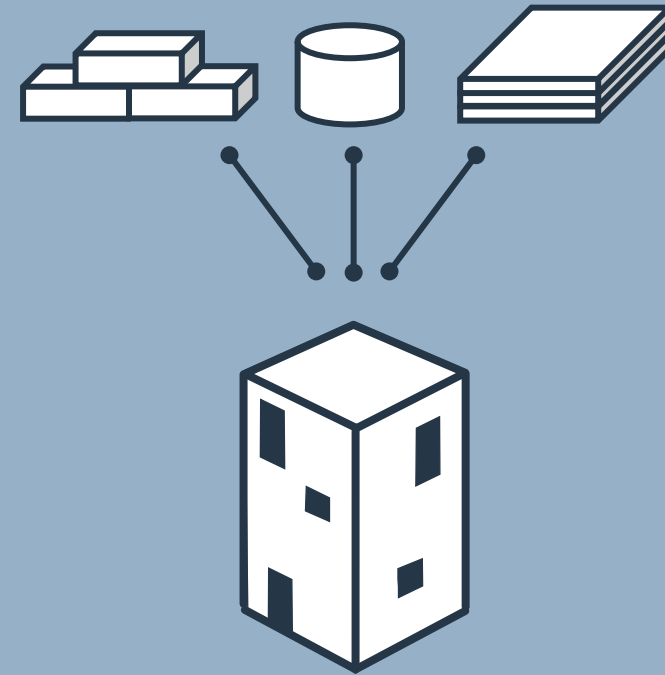
3. Origin of materials

2. Materials

1. Building components



Material declaration



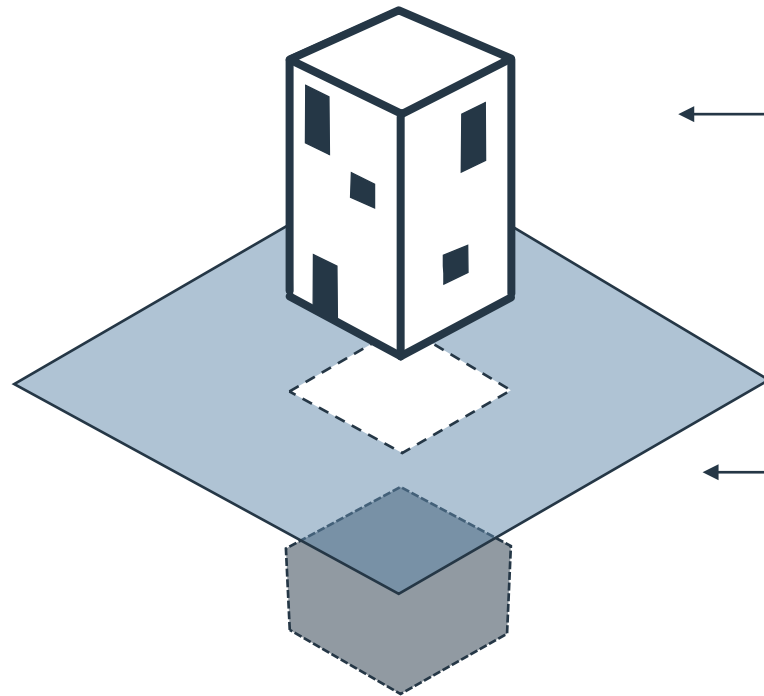
Symmetry with Energy Performance Certificates

If a building requires an energy declaration, it will require also climate and material declaration



If a building has to stay below a given E value, it must also stay below a given C value

Scope of the assessment



Building

- Loadbearing frame
- Supplementary structures
- Building service systems

**Carbon footprint
limit values for
new buildings**

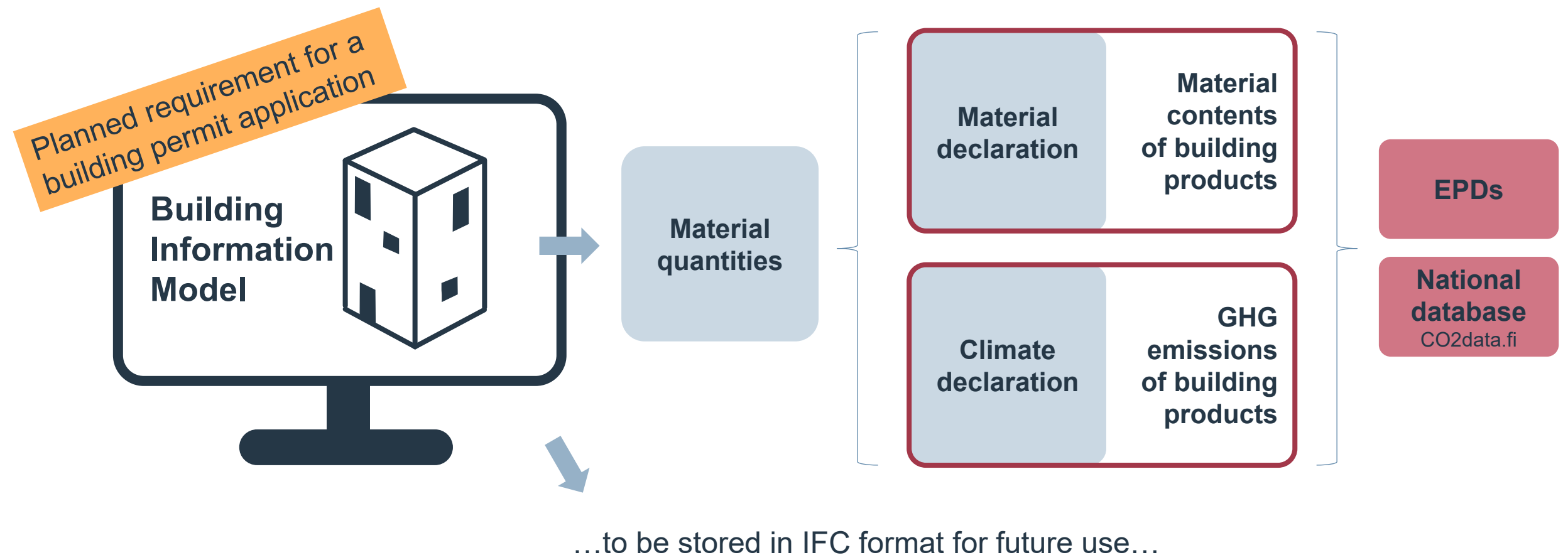
Site

- Structures on the site
- Foundations and piling
- Excavation and stabilisation

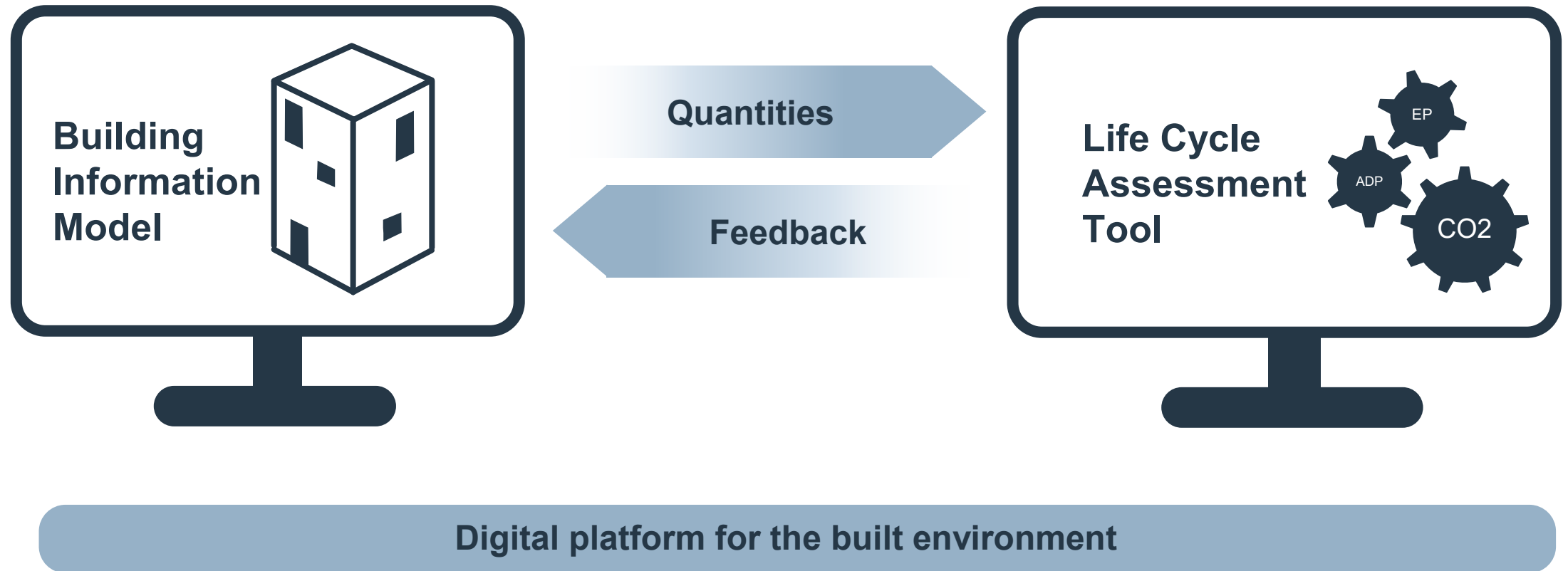
**...to be defined for
different use classes
of buildings
separately**



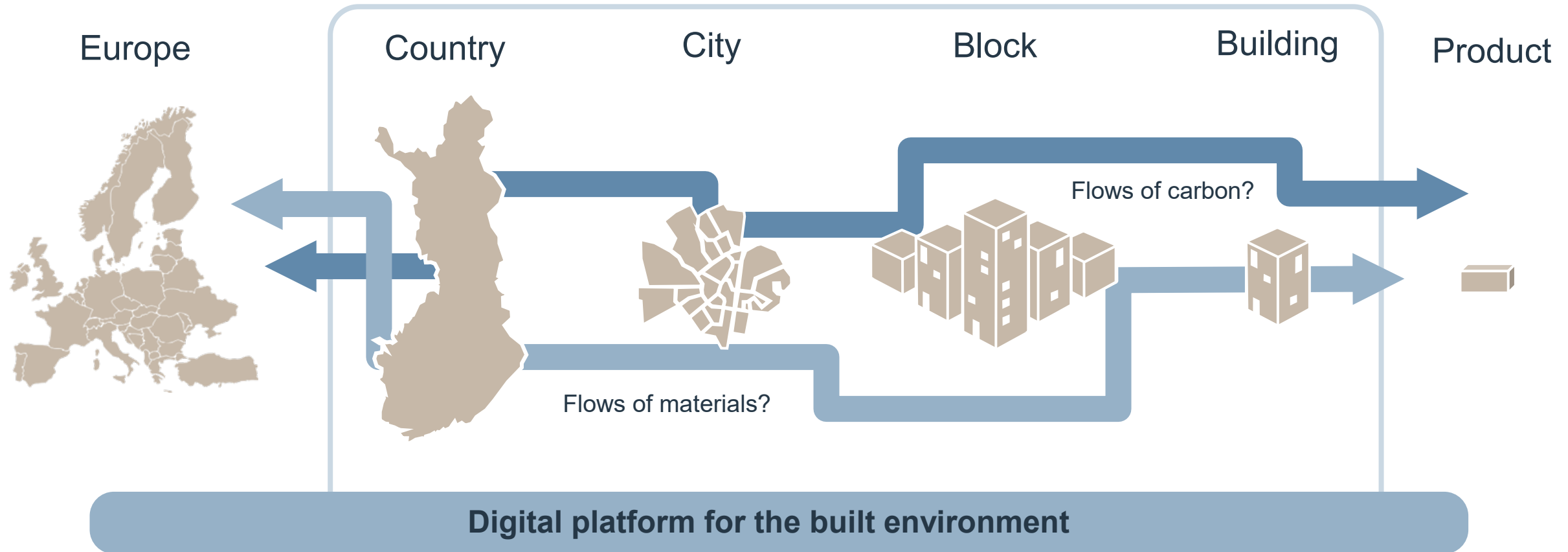
Combining BIM and LCA



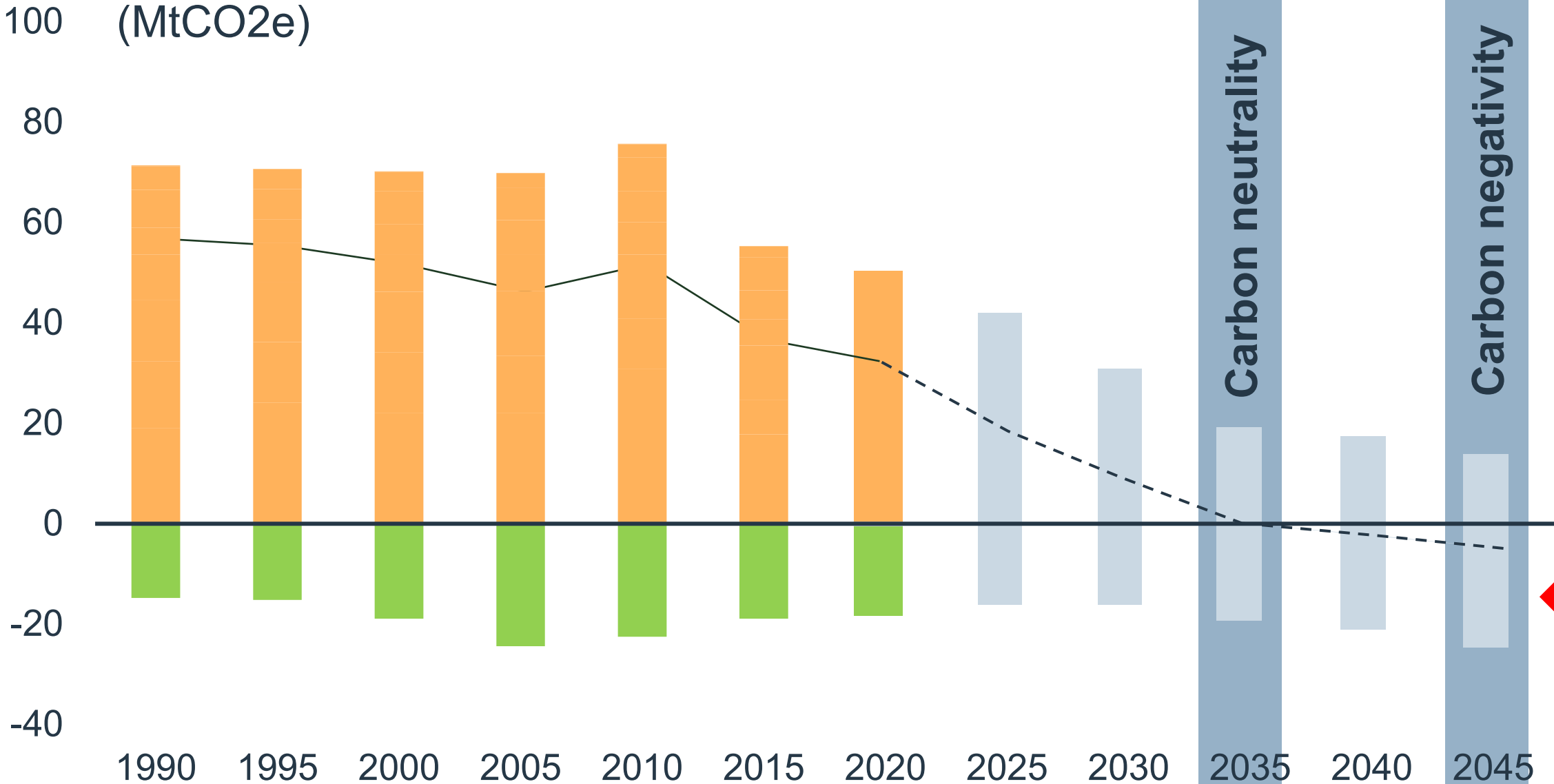
Combining BIM and LCA



Goal: Monitoring resource flows in the built environment



GHG emissions and removals in Finland (MtCO₂e)



1990 – 2020: Statistics Finland
2020 – 2045: Extrapolation based on policy goals

Thank you for your attention!

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