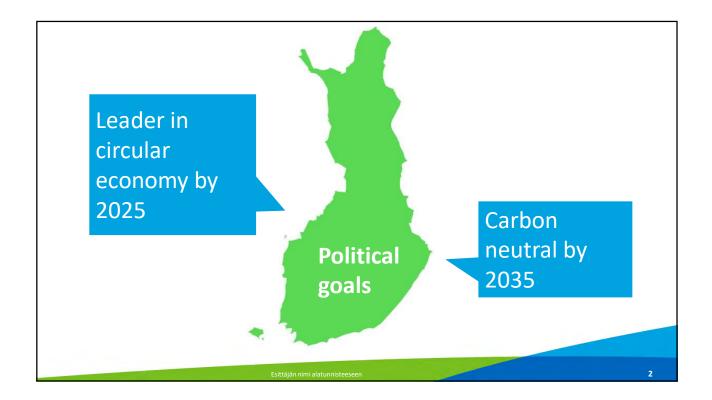
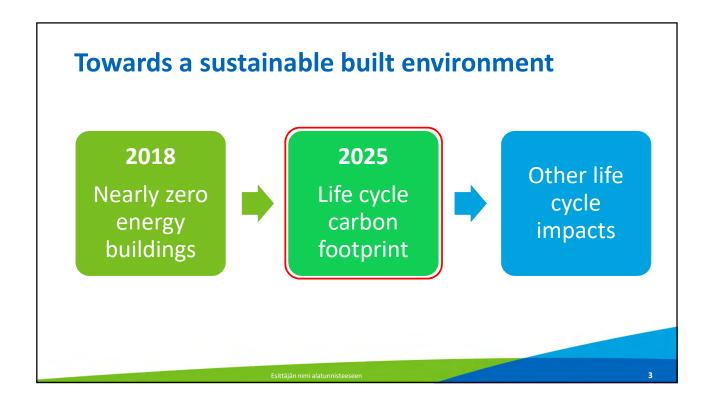


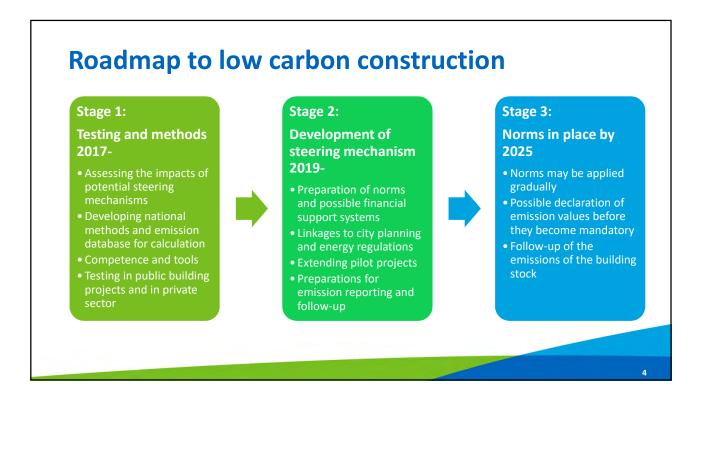
Ympäristöministeriö Miljöministeriet Ministry of the Environment

Carbon benchmarking of buildings in Finland

71st LCA Forum, Zürich Dr., Prof. Matti Kuittinen 18.6.2019







2

Impact Assessment for the Roadmap (VTT 2018)

Six policy measures included in the roadmap were assessed

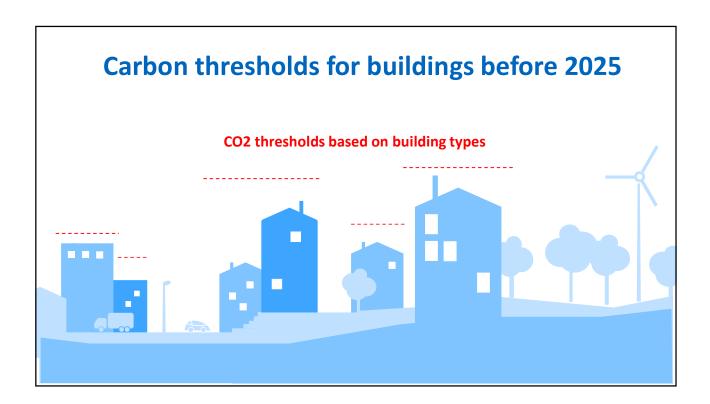
- Declaration for carbon footprint for public/all buildings
- Real estate tax based on carbon footprint
- Increased building allowance/reduced building permission fee for reduced carbon footprint
- Demand for limit values for carbon footprint

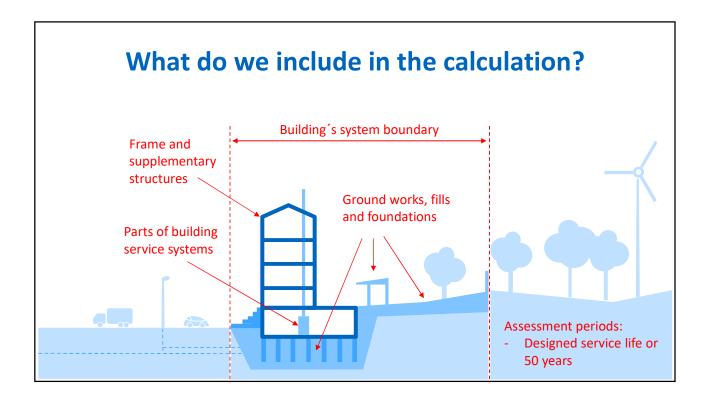
Impacts

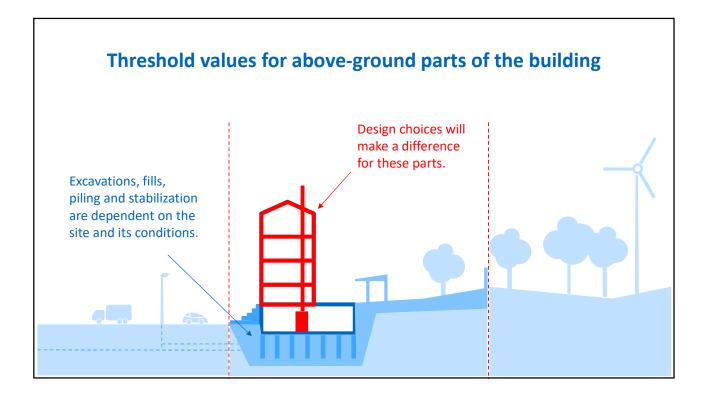
- Impacts on CO2 emissions, building market, building costs and administrational burden were assessed
- Limit values for carbon footprint were found most effective policy measure
- Their estimated emission reduction = 0,5 MtCO2e/
- Equals 10 % of the gap that Finland is behind its 2030 pledges

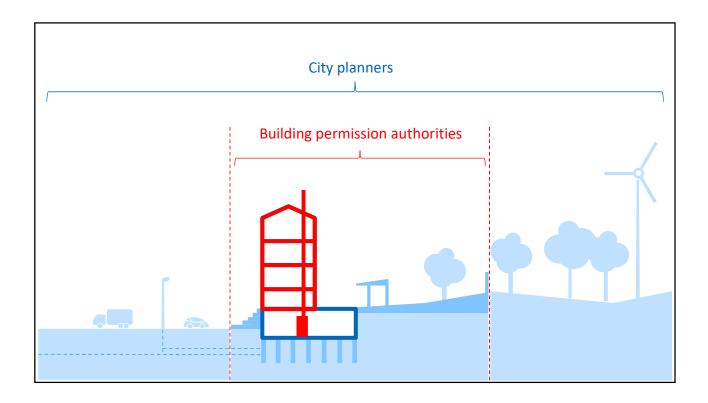
Other assessed measures

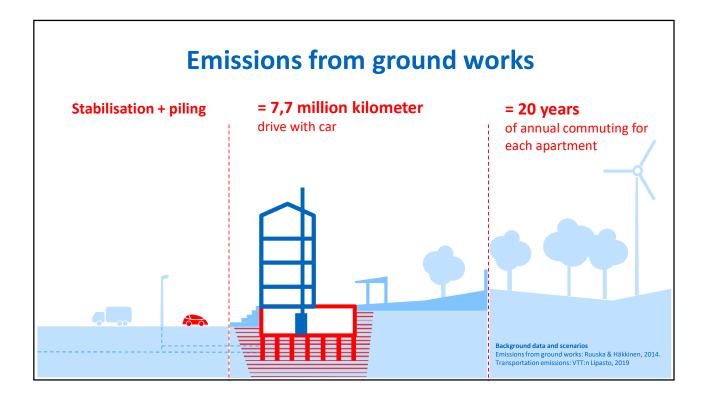
- were found less effective but they could be used in order to e.g. incentify forerunners
- The potential of public procurement may be significant

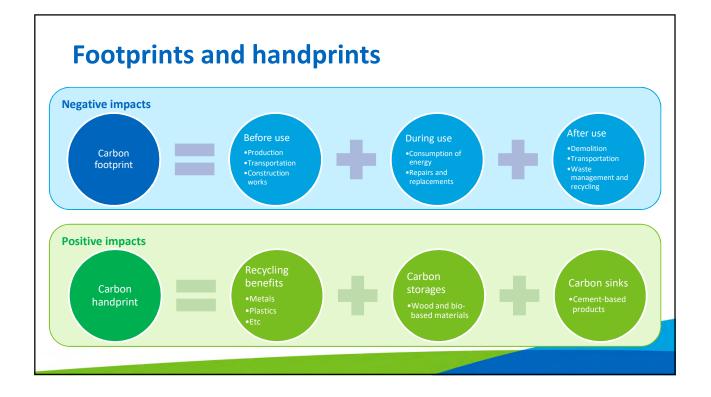


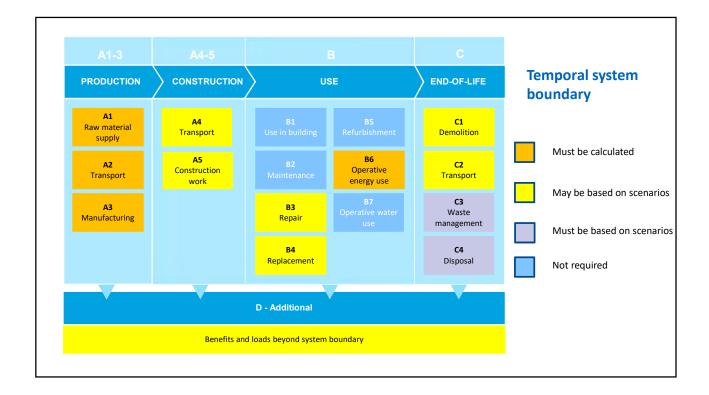




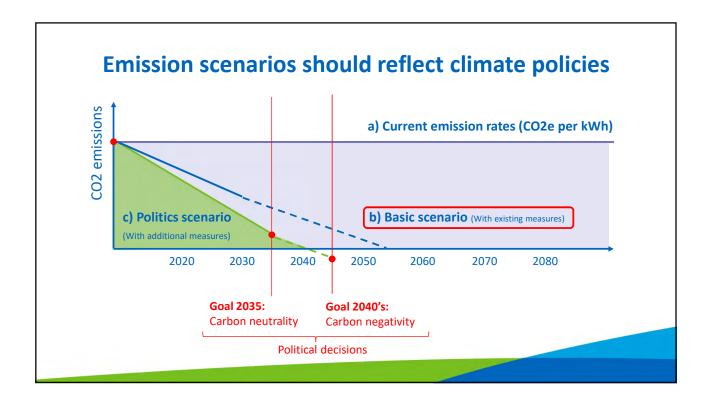








6



Scenarios in EN standards

EN 15643-1, section 5.4:

"The technical and functional requirements shall be taken from the client's brief, <u>the</u> <u>regulatory requirements</u> and from the project specification." EN 15978, section 8.6.1:

"Scenarios should be based on <u>the existing regulations</u>, client's requirements, or accepted code of practice."

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