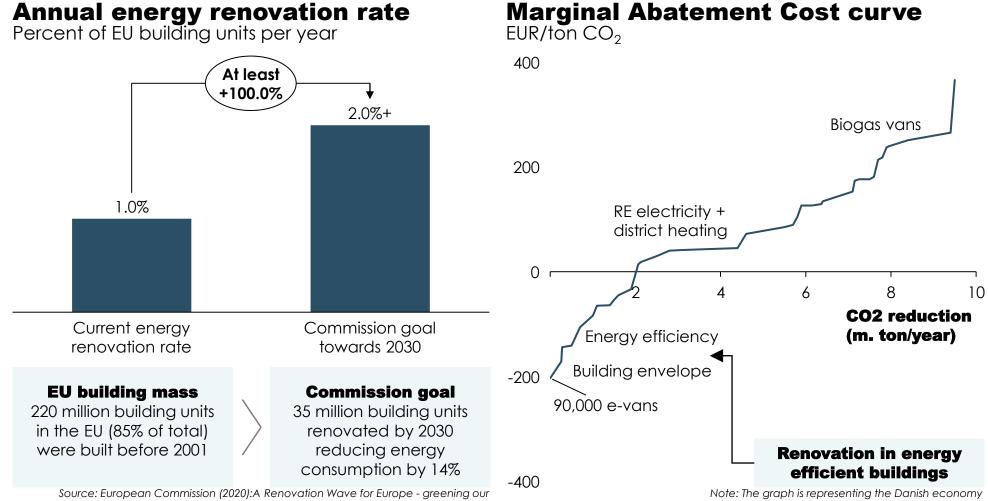
FINANCING THE TRANSITION TO A CARBON-NEUTRAL ECONOMY

Two opportunities and two challenges right now for boosting energy renovation of the housing sector

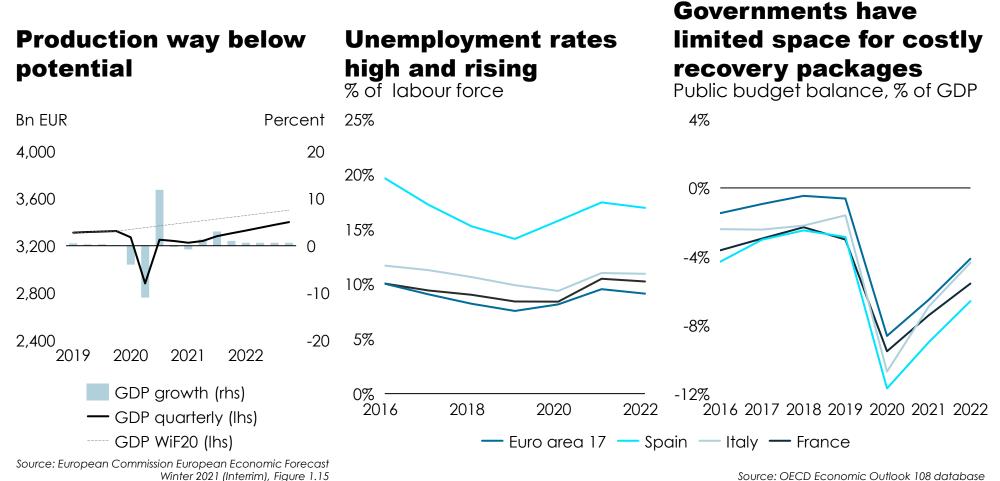
Bauhaus Seminar 22 February 2021

Opportunity 1: Renovating the housing stock, massive potential at low costs



buildings, creating jobs, improving lives

Opportunity 2: A lot of spare capacity while governments really need low cost boost to the economy



Challenge 1: Taxonomy proposal may block private finance flowing to renovation

Existing buildings:

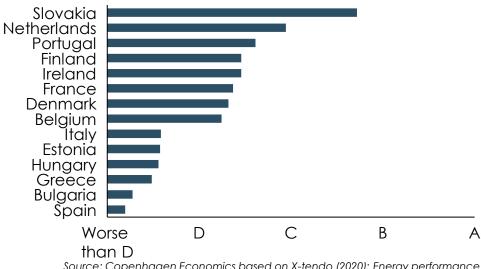
• at least EPC A

New Buildings:

• Near Zero Energy Building(NZEB) (or higher)

Average EPC label in 14 EU countries:

Way below the threshold proposed

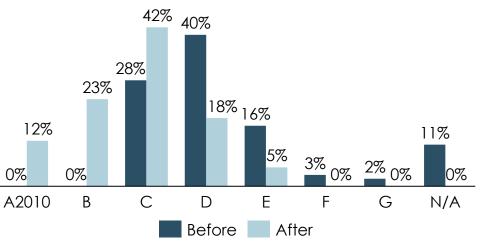


Setting too high standards may stop financing because it is simply too costly to attain standards

Even after renovating large part of the Danish social housing stock:

few will qualify

Percent of houses renovated



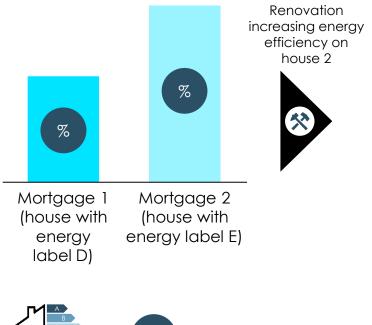
Note: Based on a sample and screening of social housing buildings in the National Buiding Funds renovation support system, 2020.

Source: Copenhagen Economics based on X-tendo (2020): Energy performance certificates assessing their status and potential, page 13

Challenge 2: Output floor in Basel 4 proposal may reduce incentives to invest in energy renovation

Mortgages' risk (estimated risk vs applied risk weights vs and applied output floor)

Estimated risk weights for prudential regulation



Applied risk weight —— Output floor



Possible to include mitigating factors in the capital requirement (Pillar II), i.e. an extra buffer on less energy efficient houses ("stress testing").

Conclusions and recommendations

Green Deal:	 € 750 billion to support climate, digitalisation and economic recovery over three years Golden opportunity for mobilising <i>private finance</i> with strained public finance and low hanging fruits
Take a broad approach to implementation:	 Taxanomy and Basel package: to support, not impede Digitalisation as key: new business and verification models to reduce costs and increase speed European Semester: Identify and adress structural barriers that prevents finance to flow to deserving projects (rent regulation, foreclosure, effectiveness of legal system etc)
Winners with the smart approach:	 Climate, quality of housing, economy, public finances and notably lower income families

CONTACT

Helge Sigurd Næss-Schmidt Partner and Director of Economics <u>sns@copenhageneconomics.com</u> +45 50 76 30 30

Copenhagen Economics Langebrogade 1 DK-1411 Copenhagen K

www.copenhageneconomics.com

Copenhagen Economics