



Germany on the way to NZEB

Country report on the application of NZEB and cost-optimal level

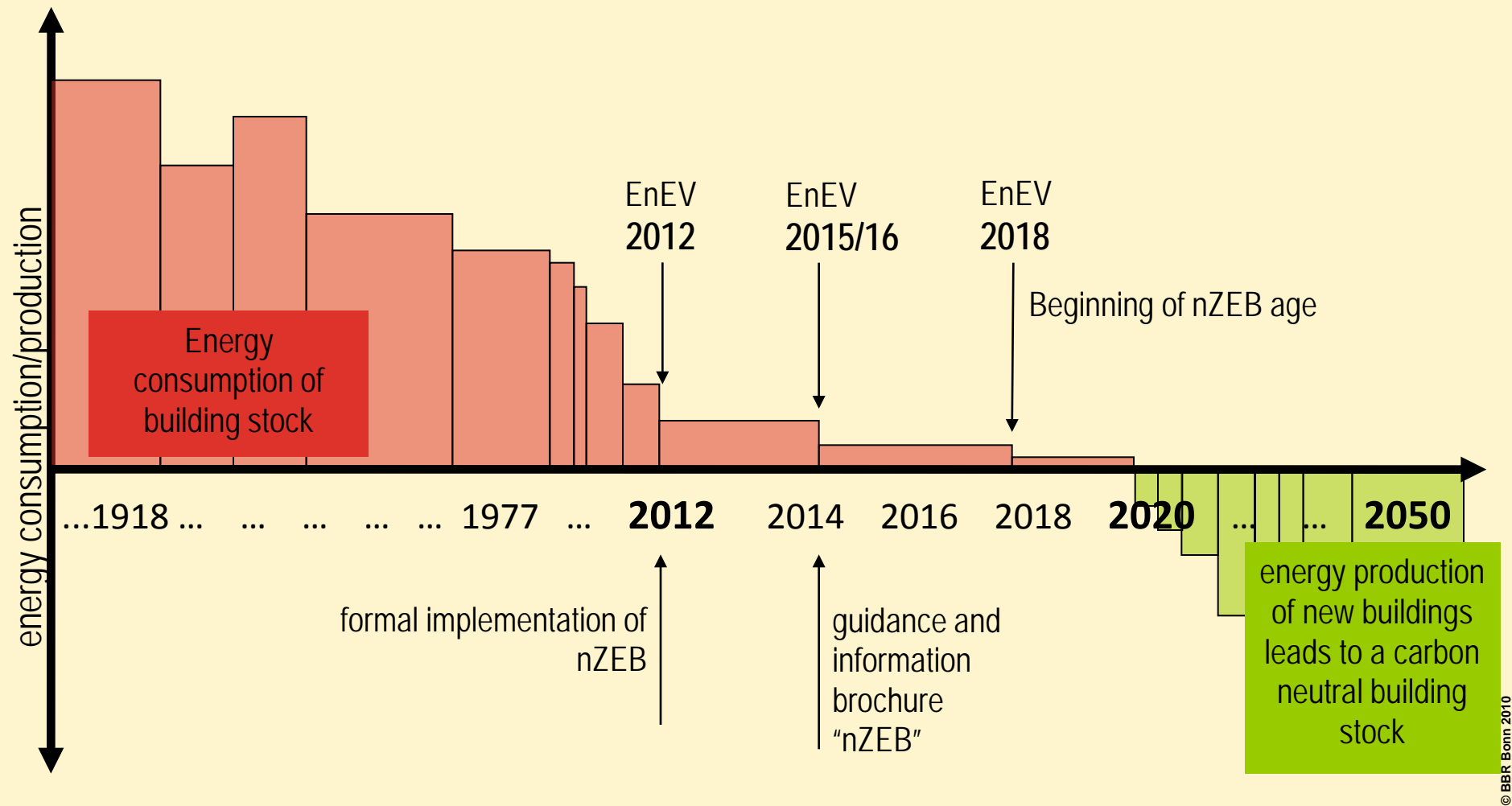
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Wels (Austria), 2nd March 2012,
Stakeholder Meeting at World Sustainable Energy Days

Current requirements

1. max. primary energy demand (not renewable part), Q_p
(e.g. 70 kWh/m²a for a single family house)
2. max. transmission heat loss, H'_t
(e.g. 0,40 W/m²K for a single family house)
3. max. solar gains
4. min. share of RES for heating, e.g.:
15 % solar or
50% biomass, geothermal energy, CHP, district heating
alternative: undermatch Q_p and H'_t with at least 15%

Roadmap to a carbon neutral building stock



How to reach the political goals?



Laws



Financial incentives

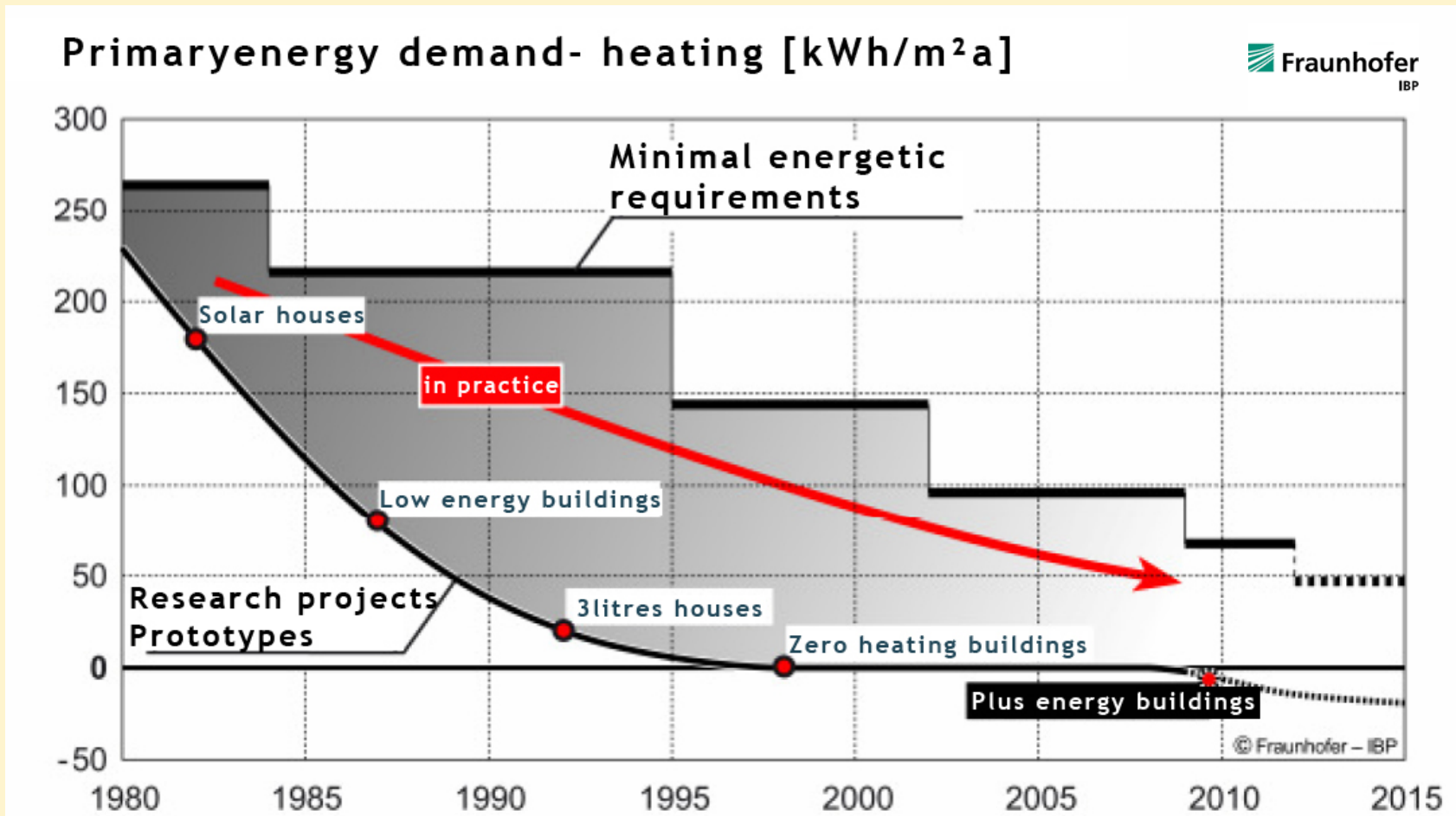


Information & promotion



Research and innovation

Evolution of requirements – Qp in kWh/(m²a)



Energetic quality of new buildings

50,6 % as current requirements (100 % EnEV):

25,6 % KfW-Effizienzhaus 70 (-30% EnEV)

17,7 % KfW Effizienzhaus 55 (Passive house)

6,1 % KfW-Effizienzhaus 40 (-60% EnEV)

} subsidized

Promotion of the generation beyond nZEB



Slogan: My home, my filling station

Promotion of the generation beyond nZEB



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Thank you for listening!