

# **CHALLENGES AND PRINCIPLES FOR NEARLY ZERO-ENERGY BUILDINGS (nZEB)**

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### **BUILDINGS PERFORMANCE INSTITUTE EUROPE**

**TOWARDS COMMON NZEB PRINCIPLES AT THE EU LEVEL** 

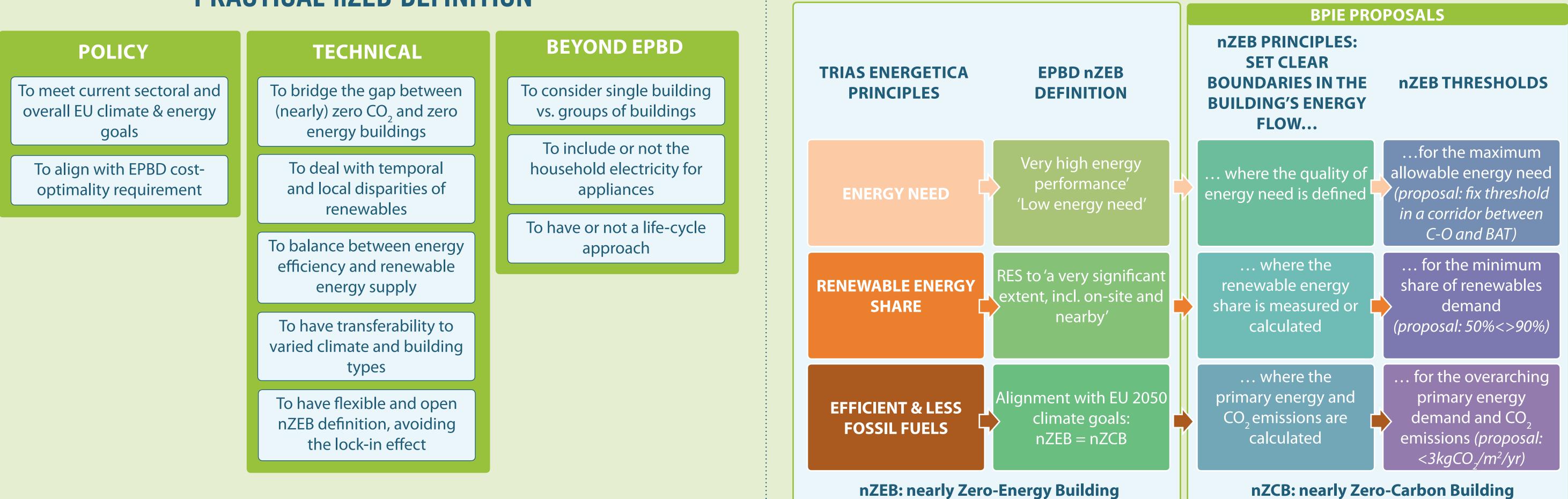
## **10 CHALLENGES TO OVERCOME FOR A ROBUST AND PRACTICAL nZEB DEFINITION**

## **TOWARDS A SUSTAINABLE nZEB DEFINITION**

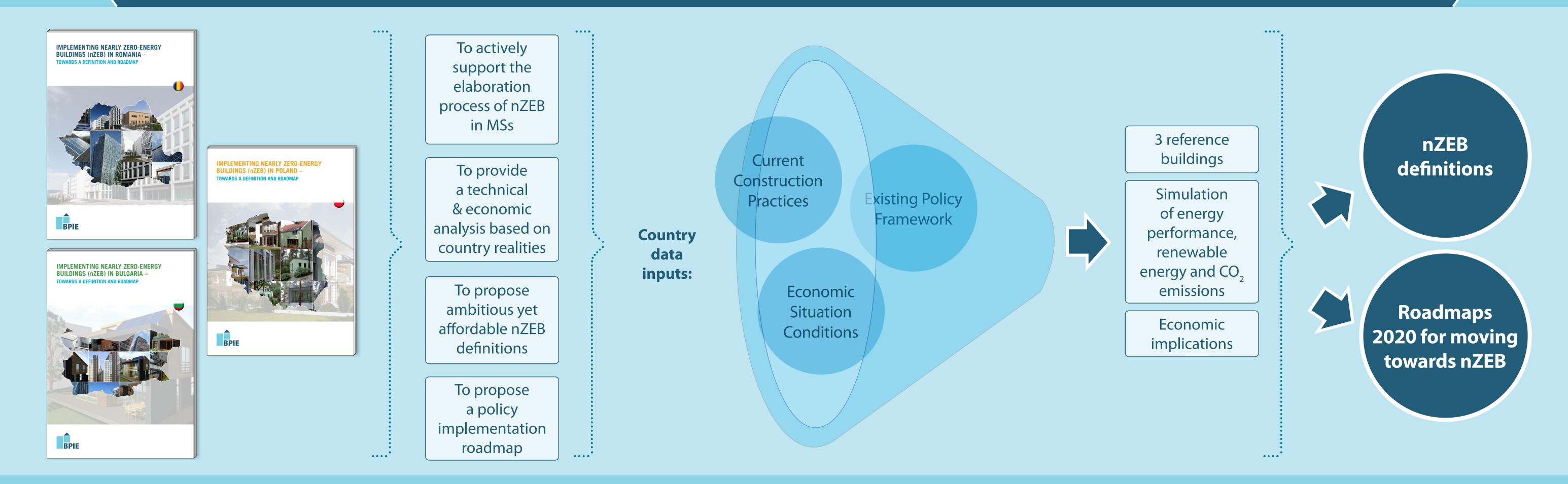
**PRINCIPLES FOR** 

BPIE

**NEARLY ZERO-ENERGY BUILDINGS** 



TOWARDS NZEB DEFINITIONS AND IMPLEMENTATION ROADMAPS IN ROMANIA, POLAND AND BULGARIA

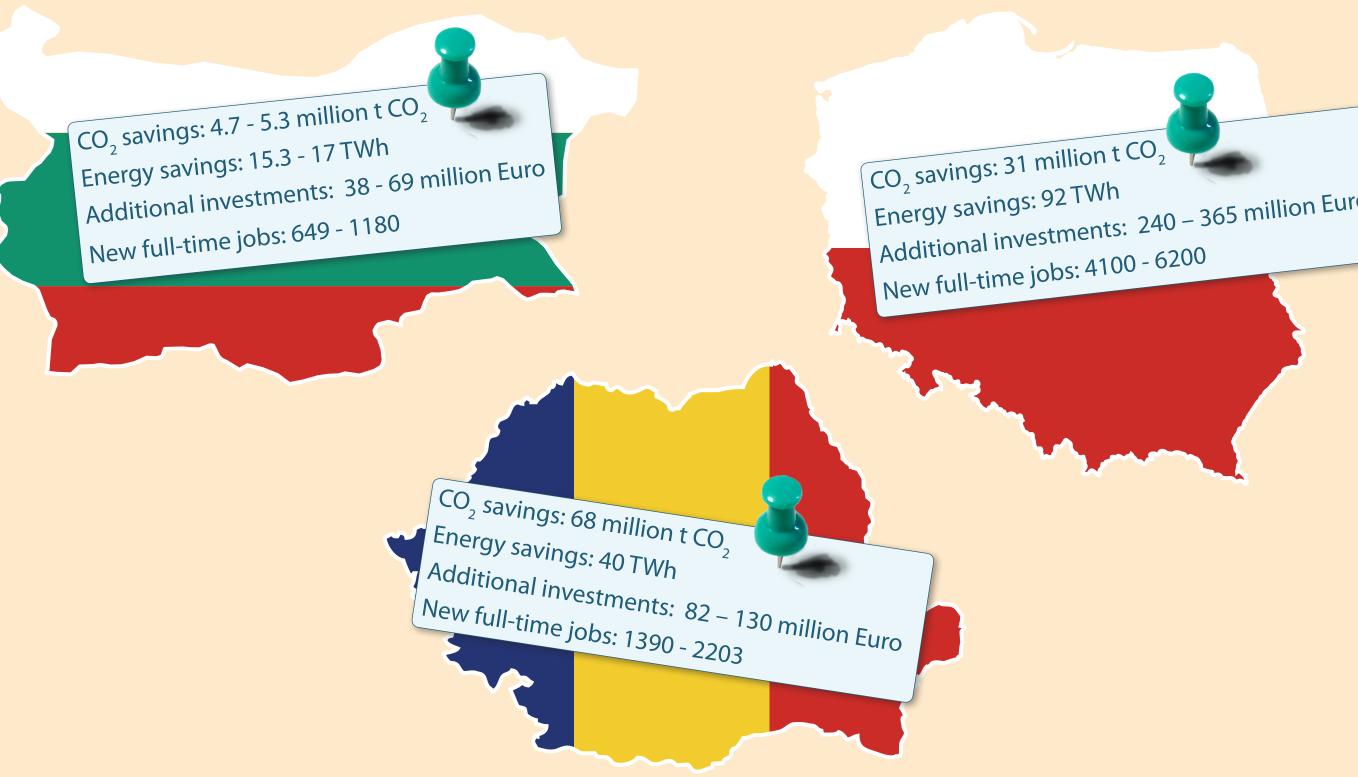


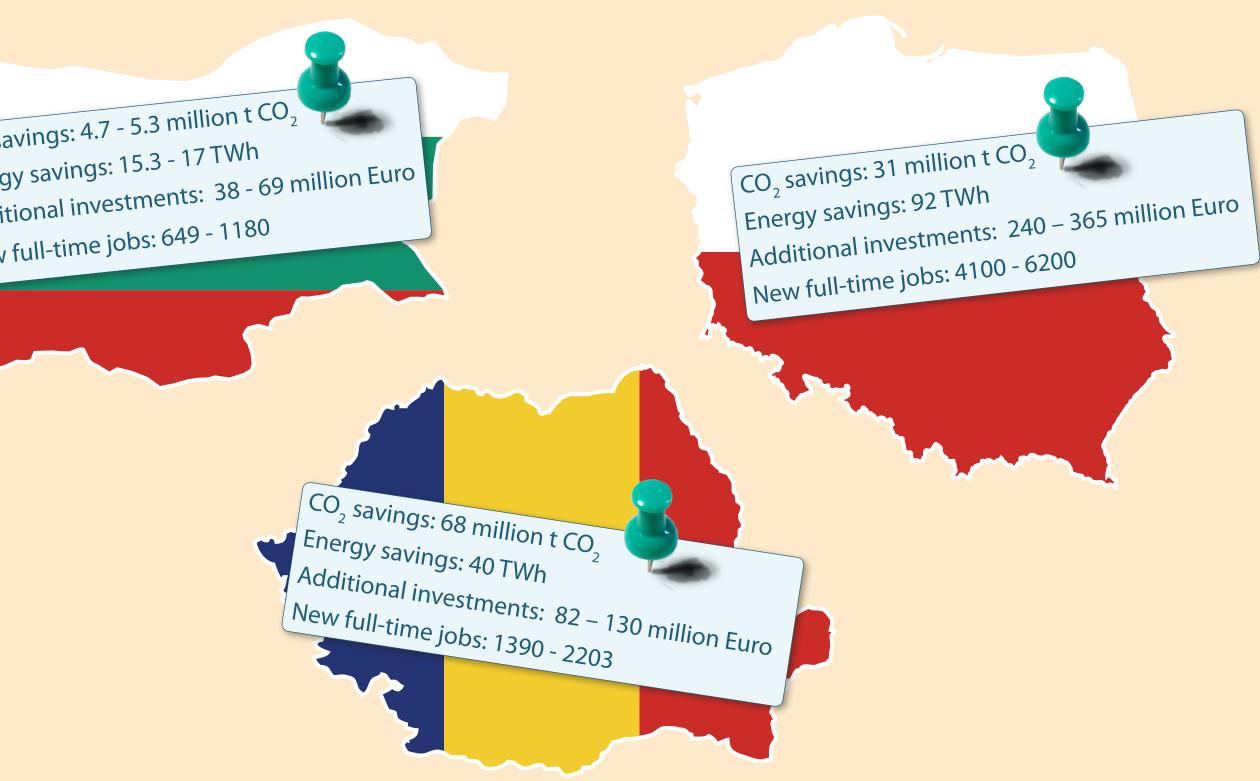
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**nZEB: ONE EU REQUIREMENT, 27 (28) NATIONAL IMPLEMENTATION RULES!** 



#### **ESTIMATED MACRO-ECONOMIC BENEFITS OF nZEB IMPLEMENTATION BETWEEN 2020-2050 IN BULGARIA, POLAND AND ROMANIA**





More info and guidance, Support market champions promoting low-energy buildings

implementation roadmap by 2020

2020

Workforce skills Basic and long-life educational and training programs for workforce

> **Capacity building** Reinforce responsibilities. More and targeted info and advice points

the high upfront capital for RES) Better integrate buildings and DH and community policies (minimise the costs) Support development of supply chain industry (maximise economic benefits) Stricter public procurement for buildings (public sector) Remove market barriers

**Enforcement and compliance** Stricter enforcement/compliance on energy performance of buildings

**Energy certification** Adjust for more visibility of nZEB. Better control & national database

For more information please visit our website at <u>www.bpie.eu</u> and discover our new Data Hub for the Energy Performance of Buildings on <u>www.buildingsdata.eu</u>