

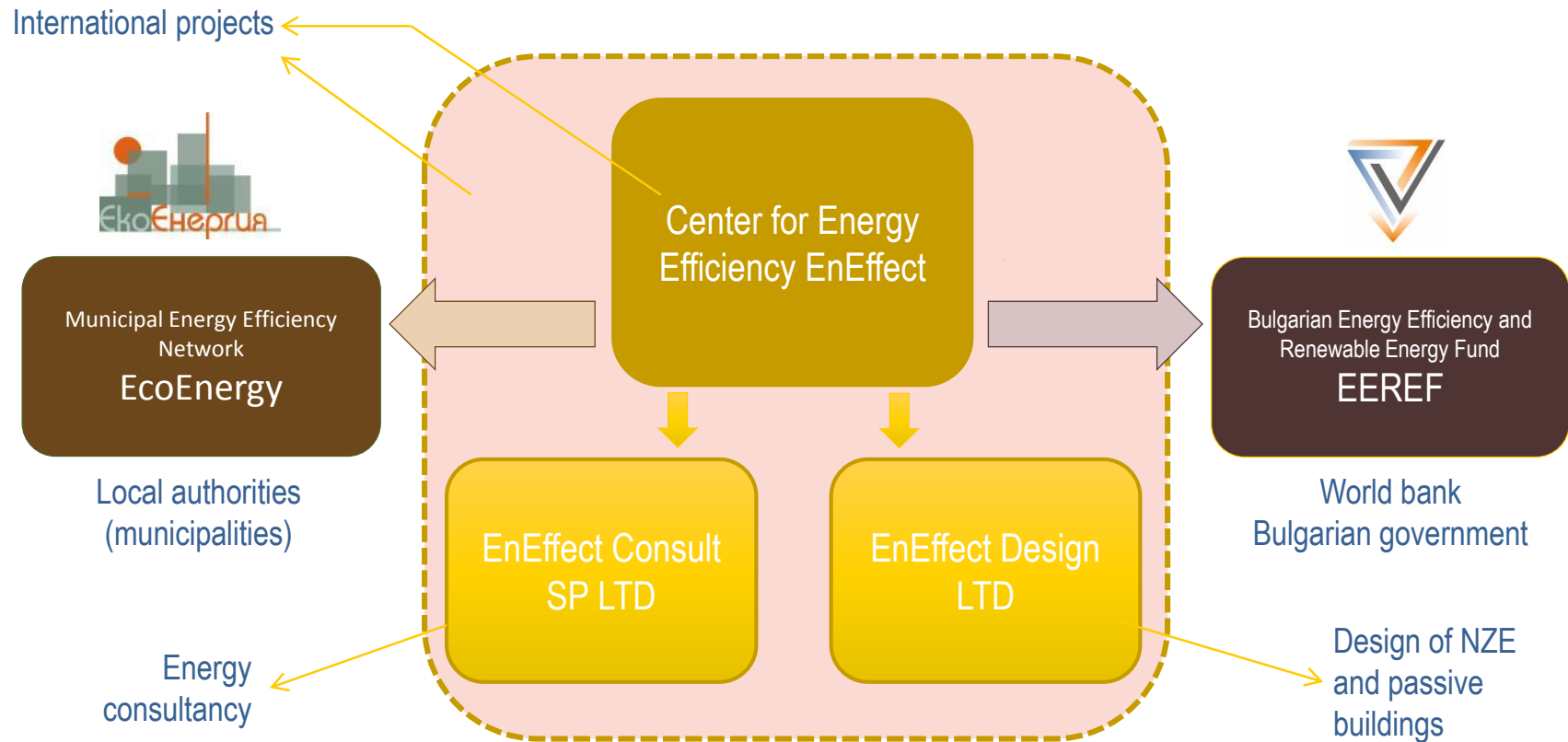
On the Road to Nearly Zero-Energy Buildings

National policies and best practices

SCIENCE MEETS REGIONS, PAMPLONA, 26 FEBRUARY 2019

WORKING SESSION ON POLICIES ON ENERGY EFFICIENCY IN BUILDINGS







Train-to-NZEB

The Building Knowledge Hubs

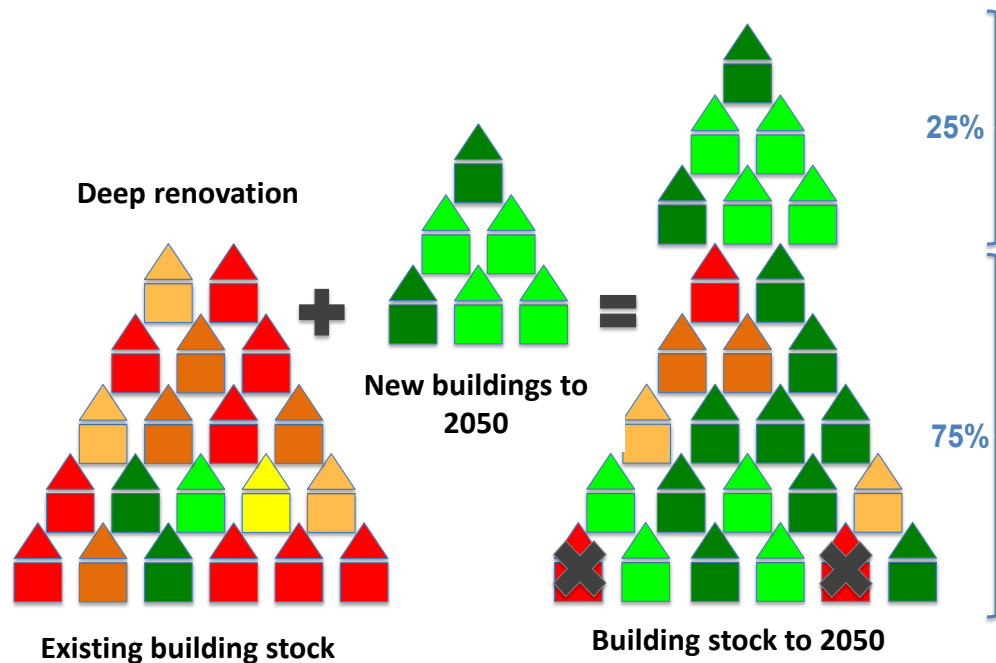
The shortest way to NZEB



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


The new EPBD



- "Energy efficiency first" is a key element of the Energy Union
- About 75% of buildings are energy inefficient
- Only 0.4-1.2% of the stock is renovated each year
- The main objective is to accelerate the cost-effective renovation of existing building, which is a 'win-win' option for the EU
- Renovation work and energy retrofits add almost twice as much value as the construction of new buildings

The National NZEB goals

Class	EPmin, kWh/m2	EPmax, kWh/m2	Residential buildings
A+	<	48	
A	48	95	
B	96	190	
C	191	240	
D	241	290	
E	291	363	
F	363	435	
G	>	435	

+ 55% RES = Nearly zero-energy building

Table 2.2.2-2. National interim targets for renovation of existing public service buildings (state- and municipality-owned) into nearly zero energy buildings

Year	Target as per cent of all renovated buildings
2015	-
2016	-
2017	0.50 %
2018	1.00 %
2019	1.22 %
2020	1.54 %



The story of the renovation programmes



- UNDP demonstration programme “Renovation of Multifamily Residential Buildings”: 2008
- 20% financing in the beginning
- Gradually raised to 50%...
- ...and then to 80%
- 23 projects executed



The story of the renovation programmes



- “Energy Renovation of the Bulgarian Homes” Programme, financed through Structural Funds
- 75% financing in the beginning
- Raised to 100% in 2015
- 299 projects (finally) executed



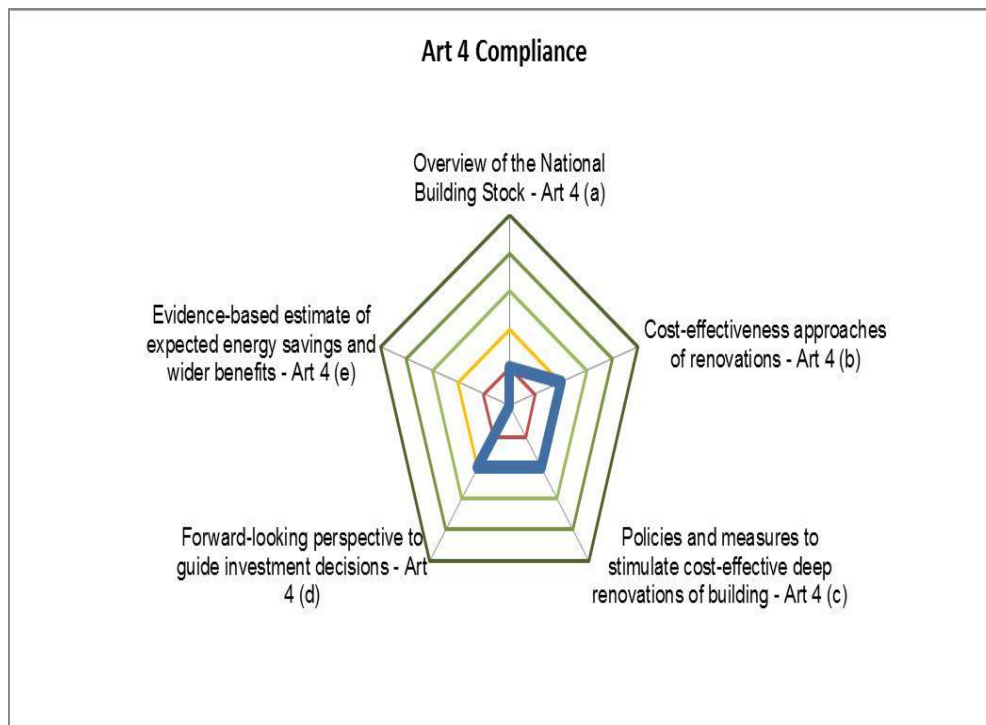
The story of the renovation programmes



- “National Programme for Energy Efficiency of the Multifamily Residential Buildings”
- 100% financing since the beginning
- Total budget of 1 billion Euro
- 1577 projects executed
- 2022 contracts concluded
- Renovation to energy class C



Issues: Long-term vision & engagement



- Long-term vision: defining of concrete energy savings goals and priorities
- Technical assistance and specialized consulting at municipalities
- Local professional capacity building
- Quality assurance and monitoring
- Engagement and responsibility of the beneficiaries / consumers
- Systematic communication campaign



Strategic planning documents



- Integrated National Energy and Climate Plans (NECPs) - by the end of 2018
- National Long-Term Energy and Climate Strategies by the end of 2019
- National Long-Term Renovation Strategies, providing vision of a decarbonised building stock by 2050 and mobilisation of investments
- National Housing Strategy
- National support programmes



National Housing Strategy



- Long-term strategic vision with clear identification of goals and policy priorities
- Development and maintenance of a dedicated information system
- National Housing Standard
- Administrative and behavioural measures for stimulating responsible maintenance of the building stock
- A full package of incentives and
- Measurable goals as a result of a broad public discussion
- Professional capacity building
- Better positioning of the topic in the political and media agenda





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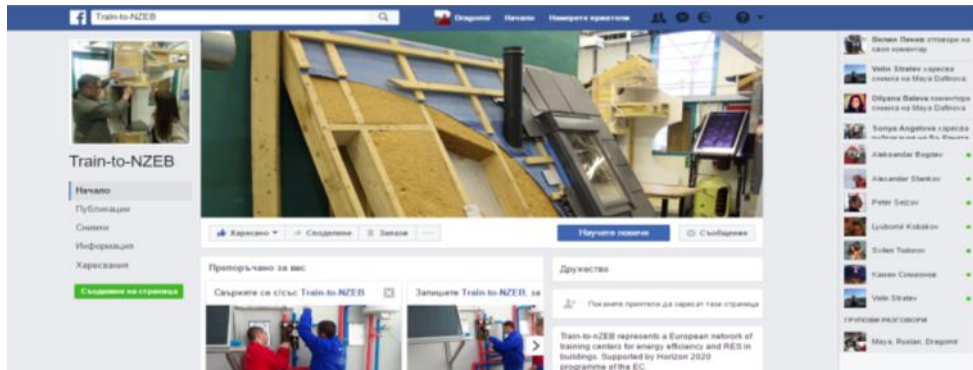
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It's never, never enough...

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Engagement of stakeholders



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Thank you for your attention!

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This project has received financing under the
Horizon 2020 Programme of the European Union

