

Interreg



CENTRAL EUROPE

European Union
European Regional
Development Fund

eCentral

TAKING
COOPERATION
FORWARD



PPL session of INTERREG PROSPECT2030 project
15.12.2020



Overview on innovative financing schemes and lessons learned from eCentral Projekt



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GOALS AND ACTIVITIES

Main goal to
deploy and
promote
innovative
financing
schemes

Promoting nZEB

Pilot projects:
HU
SL
CR

Communication

Support to nZEB
refurbishments
and strategies

EPC Tool

Trainings and
support for LPAs
to generate nZEB
projects



OUTPUTS OF ECENTRAL PROJECT

- NZEB CASE STUDIES FOR REFERENCE PUBLIC BUILDINGS
- REPORT ON NZEB INITIATIVES FROM THE CE REGION
- ANALYSIS OF CURRENT NATIONAL AND REGIONAL/LOCAL RENOVATION STRATEGIES
- ANALYSIS OF TOOLS FOR DEEP RENOVATION OF BUILDINGS
- ANALYSIS OF INNOVATIVE FINANCING SCHEMES FOR DEEP RENOVATION OF PUBLIC BUILDINGS
- Step by step guide on HOW TO TURN PUBLIC BUILDINGS INTO NZEB
- ASSESSMENT OF POLICY FRAMEWORK IN CE PARTNER COUNTRIES FOR INTRODUCTION OF NEW FINANCING SCHEMES

<https://www.interreg-central.eu/Content.Node/eCentral.html>

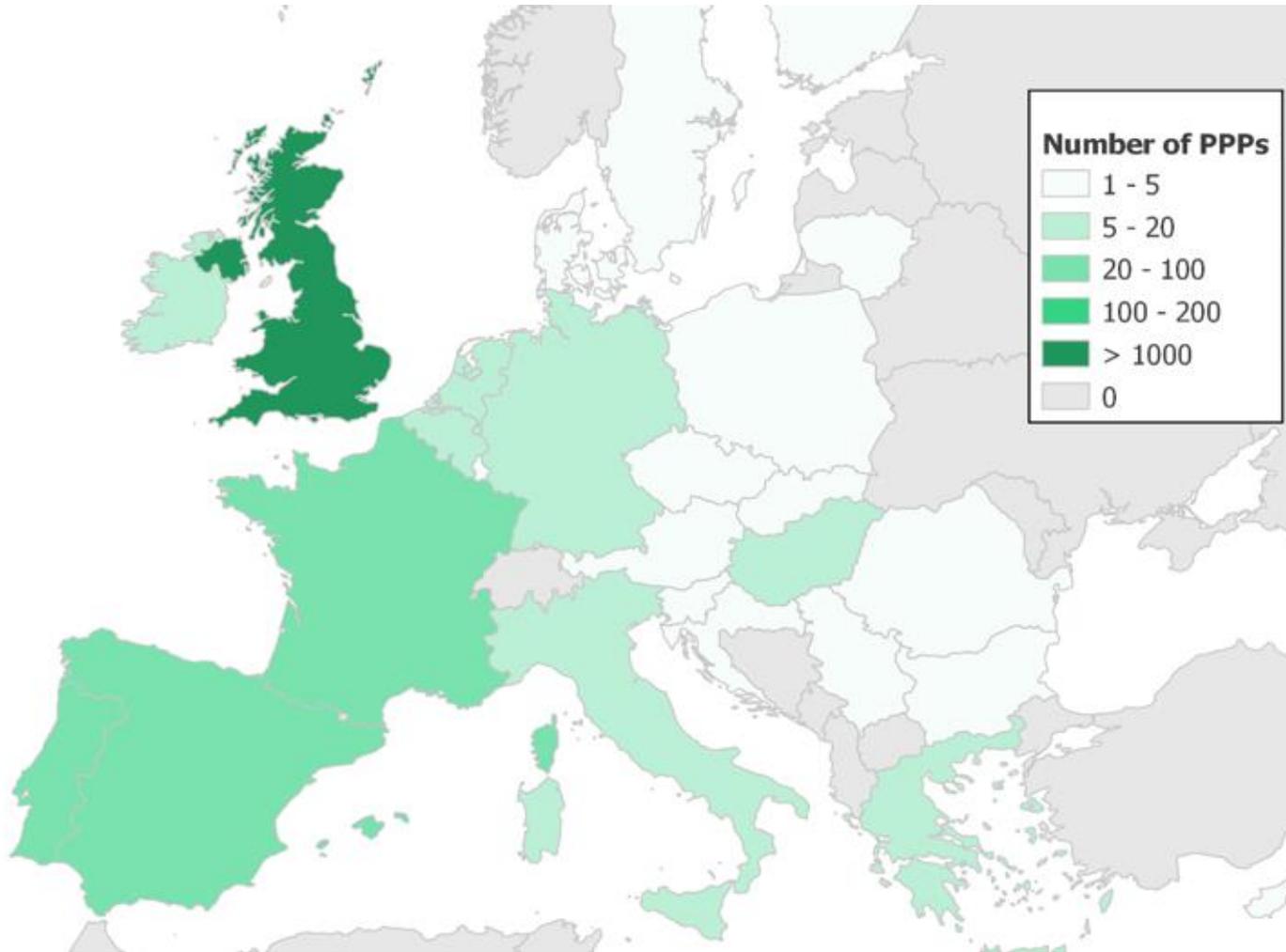


Assessment of policy framework in CE partner countries for introduction of new financing schemes

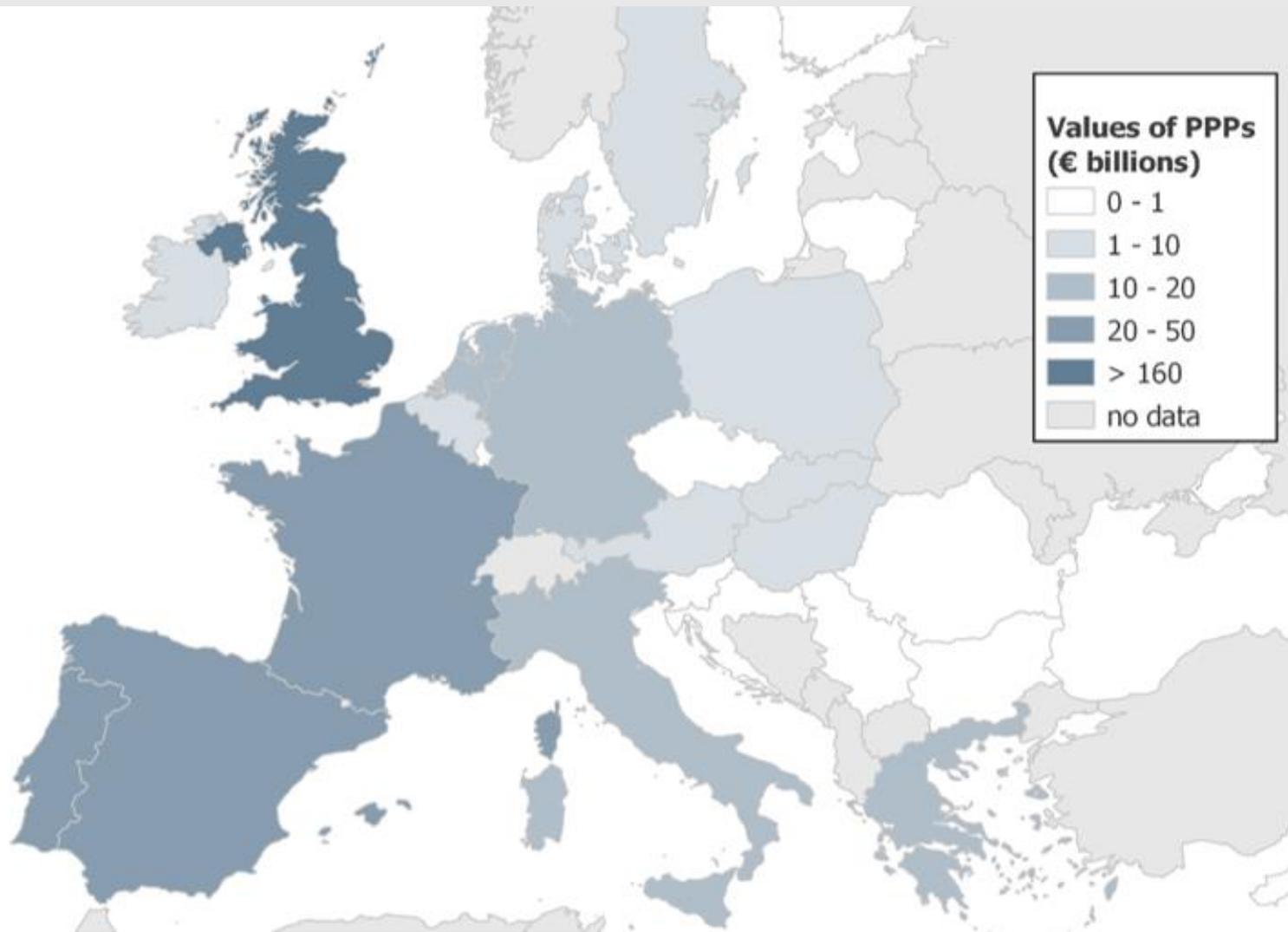
- **Public-private partnership** (Agreement between the public body and one or more private partners - which may include the operators and the investors)
- **Energy performance contracting** (Form of creative financing for capital improvement which allows funding energy upgrades from cost reductions)
- **Crowdfunding** (Practice of raising a capital through collective efforts of a large number of individual investors to finance a project)



NUMBER OF PPP PROJECTS CARRIED OUT 1990-2019



VOLUME OF PPP PROJECTS - 1990-2019

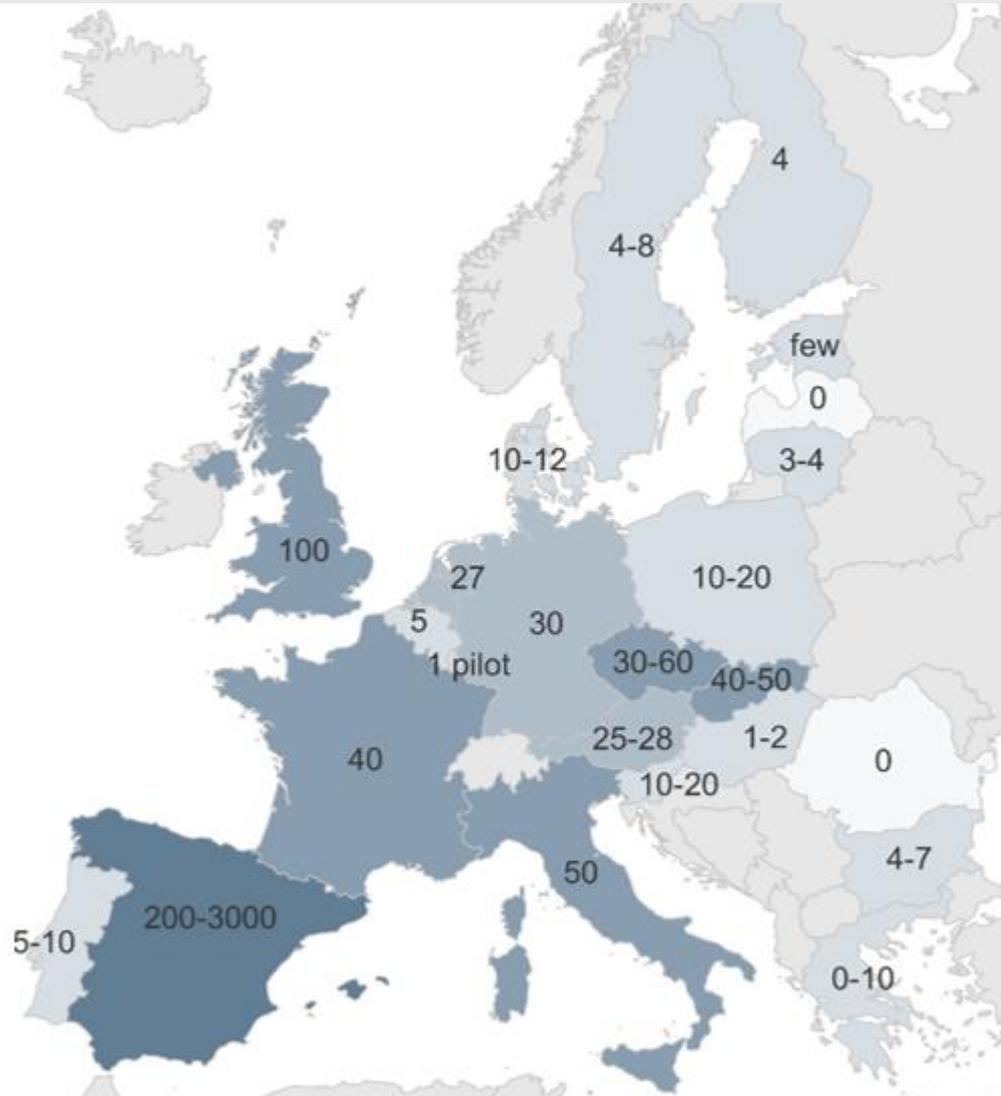


THE EXPECTED DEVELOPMENT OF THE EPC SECTORS

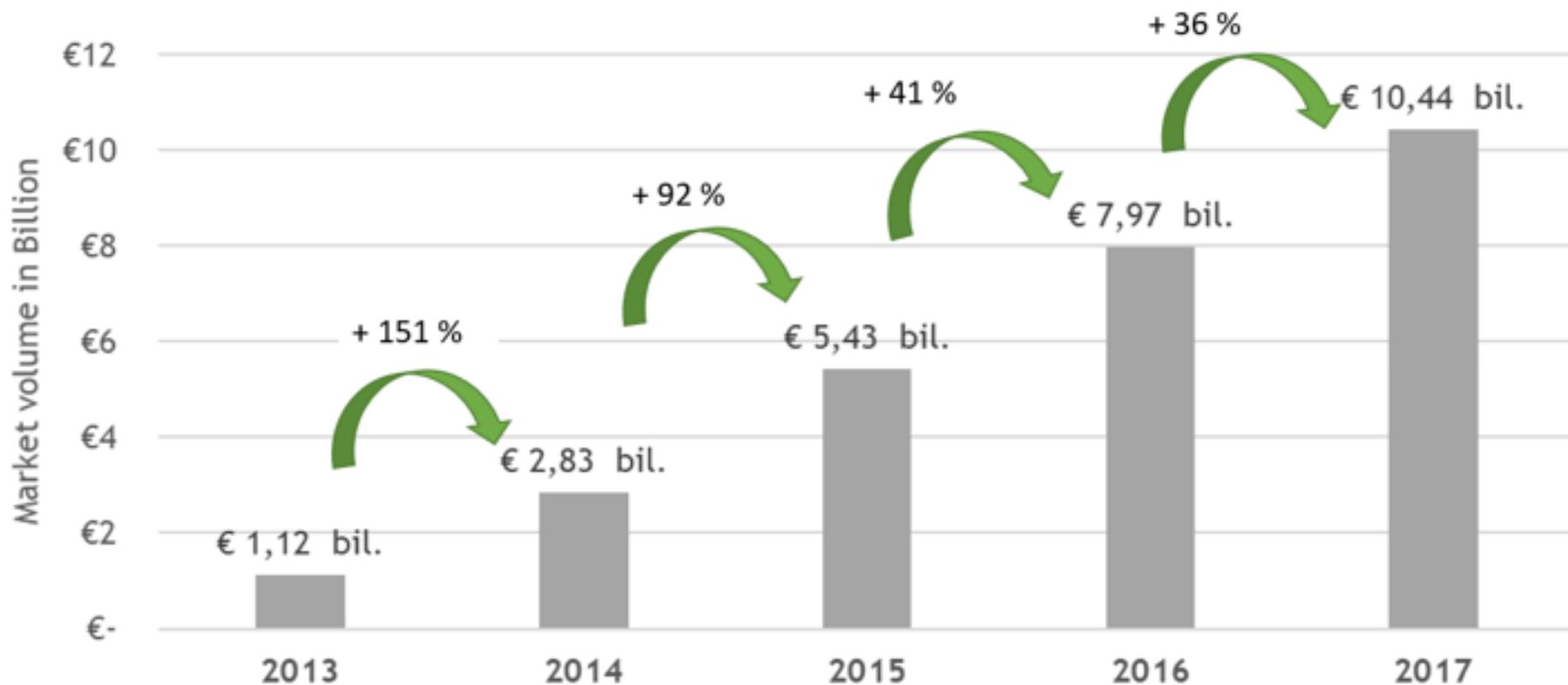
COUNTRY	LEVEL OF DEVELOPMENT OF EPC SECTOR	CONCLUSION OF EXPERT SURVEY
AUSTRIA	Excellent	Focus on large public EPC projects, small public/private projects are not expected to grow
CROATIA	Preliminary	Boom in EPC expected due to improved framework
CZECH REPUBLIC	Well developed	Slow but continuous growth expected
GERMANY	Excellent	No development expected
HUNGARY	Preliminary	unsure, dependent on external barriers
ITALY	Excellent	Continuous but slow growth, which depends on removing of barriers
POLAND	Preliminary	Unsure future
SLOVAKIA	Moderate	Based on current conditions no change expected
SLOVENIA	Preliminary	Stable, slow growth



ANNUAL ESTIMATED EPC PROJECTS PER COUNTRY



ANNUAL CF MARKET VOLUMES IN EUROPE

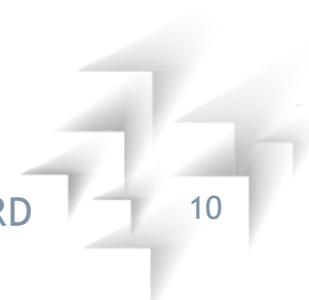


Legal frameworks and market maturity in

- Austria
- Italy
- Croatia
- Slovenia
- Hungary

+ Comparison 2018 - 2020

Assuming
Advantages,
opportunities and
barriers of the 3
financing forms.



- Original plan has „failed” - LPA has stand off to use PPP model
- 2 other LPAs have been involved to demonstrate refurbishment projects with Design-Build-Finance PPP model
- With 8+11 million EUR of investment
- nZEB target requirements:
 - Energy consumption: max. 55 kWh/(m² a)
 - RES production: 100% of consumed energy



- Bad pilot building selection
- Prolonged ESCO negotiations
- The involvement of additional buildings became necessary to ensure a proper return - the selection of these was not perfect either
- Several months of downtime due to municipal elections
- Due to the low energy prices, it is difficult to put together an acceptable building ‘package’ for ESCOs



- Total investment: 113.000 EUR
- The idea of crowdfunding for energy renovation projects was a novelty for public authorities as well as for citizens.
- Process of crowdfunding was met with a scepticism
- Despite a very well-prepared campaign, the campaign failed to reach the pledged amount of money (€ 10.000,00) to be raised.
- Biggest positive surprise was the good response of citizens



BY THE END OF THE PROJECT

Some further outputs will be done

- nZEB tool: <https://nzeb.thorium.software/>
- Joint strategy FOR WIDER IMPLEMENTATION OF INNOVATIVE FINANCING SCHEMES IN CENTRAL EUROPE
- Position paper
- Final conference



Thank you for your attention!

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