

#### **20-22 JUNE 2023**

## EUROPEAN SUSTAINABLE ENERGY WEEK

Accelerating the clean energy transition – towards lower bills and greater skills



**POLICY CONFERENCE** 

- ⊕ EC.EUROPA.EU/EUSEW
- EUENERGYWEEK
- @ EUENERGYWEEK
  #EUSEW2023



# **ENPOR** project: Tools to identify and address energy poverty in the private rented sector across Europe











### THE ENPOR PROJECT

- H2020 project, representing key stakeholders across the private
- **Deepen understanding** on energy poverty in the PRS
- Monitor dimensions of energy poverty in the PRS
- Support the set-up and implementation of energy efficiency policies in 7 countries



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rented sector (PRS)

Accelerating the clean energy transition - towards lower bills and greater skills #EUSEW2023



Analyse energy poverty literature, policies and barriers in the PRS across the EU



Monitor and map the dimensions of energy poverty in the PRS with the Energy Poverty

Dashboard





Support the adaption and implementation of 10 policies in 7 countries tailored to the PRS' needs via REACT Groups



### THE ENERGY POVERTY DASHBOARD (1/3)

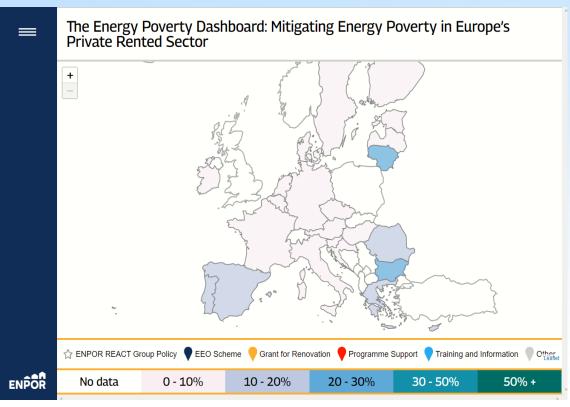
### **Purpose**



Need for spatial and temporal disaggregation

Mapping initiatives and interventions

A platform for sharing knowledge and practice



visit energypoverty.info to explore the data and policies

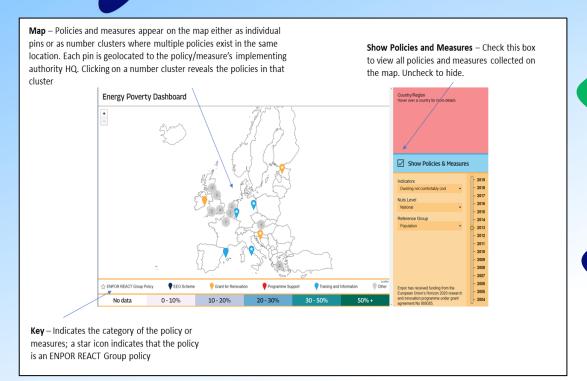








### THE ENERGY POVERTY DASHBOARD (2/3)



Pan-European platform for the spatial visualisation and quantification energy poverty patterns and energy efficiency policies in the PRS.

**Indicators** to investigate **structural** factors that underpin inequalities in the PRS.

visit energypoverty.info to explore the data and policies

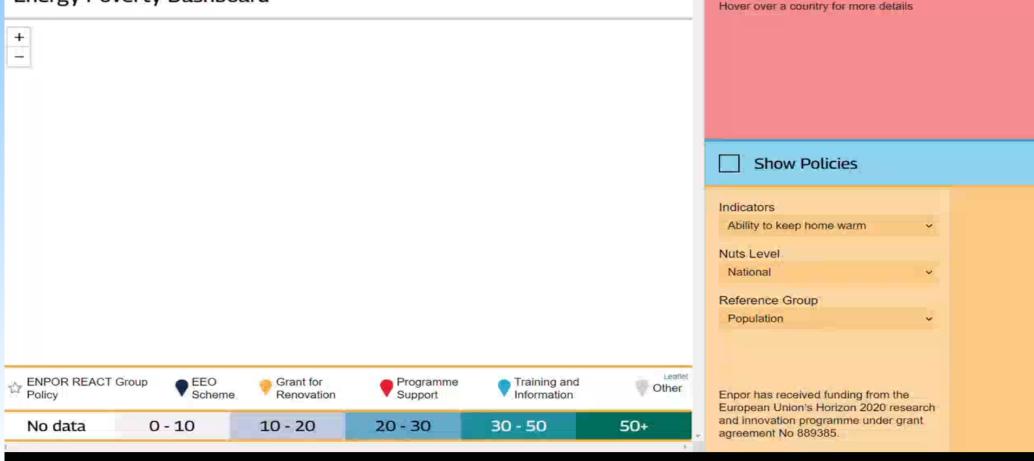








# THE ENERGY POVERTY DASHBOARD (3/3) Energy Poverty Dashboard Country/Region Have present for more details







# THE SPLIT INCENTIVES QUANTIFICATION TOOL (1/4)

Identify the share of the triggered benefits from the implementation of energy efficiency interventions between landlords and tenants.



Quantify the appropriate allocation of costs or subsidy rates for both sides, towards specific renovations scenarios in several geographical/national contexts.







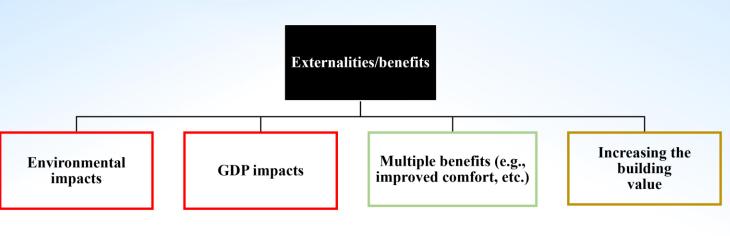
# THE SPLIT INCENTIVES QUANTIFICATION TOOL (2/4)

Quantification of the estimated energy savings

Quantification of the positive externalities

Estimation of increase in rental price due to both sides' benefits





Equally shared externality/benefit

Externality/benefit concerning tenants

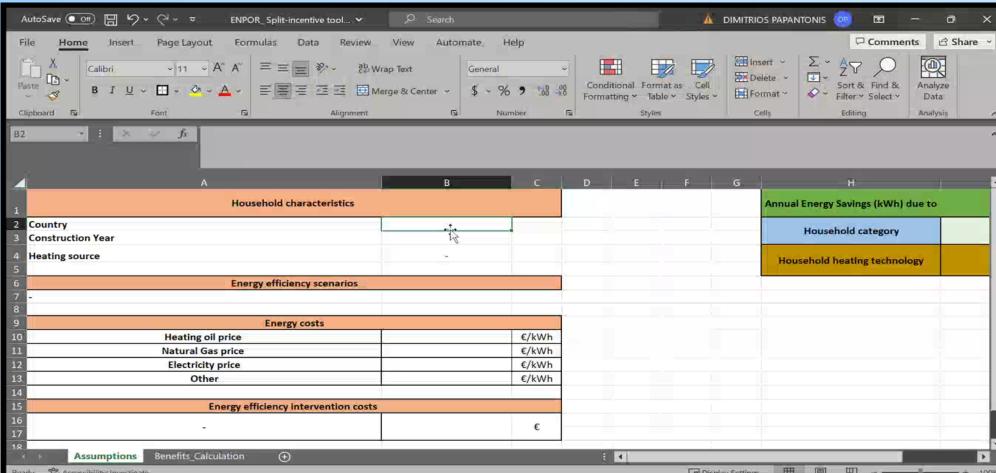
Externality/benefit concerning landlords





### THE SPLIT INCENTIVES QUANTIFICATION TOOL

(3/4)









# THE SPLIT INCENTIVES QUANTIFICATION TOOL

<b>Annual Energy Sav</b>	ings (€) due to	Building envelope and windows upgrade and heating technology change		
Household category		Greece		
		(1981-2000)		
Household heating technology	Oil	1,070.0	NPV of the Landlord benefit- Property value increase	35,667.7
Annual Energy Sav	yings (£) due to	Building envelope and windows upgrade and heating technology change		
Annual Energy Sur	illigo (e) dde to	Greece		
Household category		(1981-2000)		
Household heating technology	Oil	1,070.0	NPV of the Tenant Benefits - Energy Savings	18,632.6
NPV of Multiple Be	nefits (€) due to	Building envelope and windows upgrade and heating technology change		
NPV of Multiple Be	nefits (€) due to	Building envelope and windows upgrade and heating technology change 1,863.3	NPV of the Tenant Benefits - Multiple benefits	1,863.3
		1,863.3	Multiple benefits	<u> </u>
			Multiple benefits 35,667.7	1,863.3 63.5% 36.5%
		1,863.3  NPV of the total Landlords' benefits	Multiple benefits	63.5%
		1,863.3  NPV of the total Landlords' benefits  NPV of the total Tenants' benefits	35,667.7 20,495.9	63.5% 36.5% monthly basis
		1,863.3  NPV of the total Landlords' benefits  NPV of the total Tenants' benefits  Increase in rental price due to tenants benefits (€)	35,667.7 20,495.9 98	63.5% 36.5%
	10%	1,863.3  NPV of the total Landlords' benefits  NPV of the total Tenants' benefits  Increase in rental price due to tenants benefits (€)  Increase in rental price due to landlords benefits (€)	35,667.7 20,495.9 98	63.5% 36.5% monthly basis
NPV of Multiple Ber	10%  Discount rate (%)	1,863.3  NPV of the total Landlords' benefits  NPV of the total Tenants' benefits  Increase in rental price due to tenants benefits (€)  Increase in rental price due to landlords benefits (€)	35,667.7 20,495.9 98	63.5% 36.5% monthly basis



Enhance the uptake of energy efficiency investments in the national level.











### **CONTACT US**



#### **TEESlab** - Technoeconomics of Energy Systems laboratory

Independent research unit providing market-oriented solutions in support of the transition to low-carbon energy systems!



TEESlab - Technoeconomics of Energy Systems laboratory



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### The ENPOR project:



**ENPORproject** 



www.enpor.eu

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