



# Main Lessons from PUBLENEF

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Coordinator

# PUBLENEF in a nutshell

Assess and learn from existing energy efficiency policy implementation practices in EU countries, regions, and cities

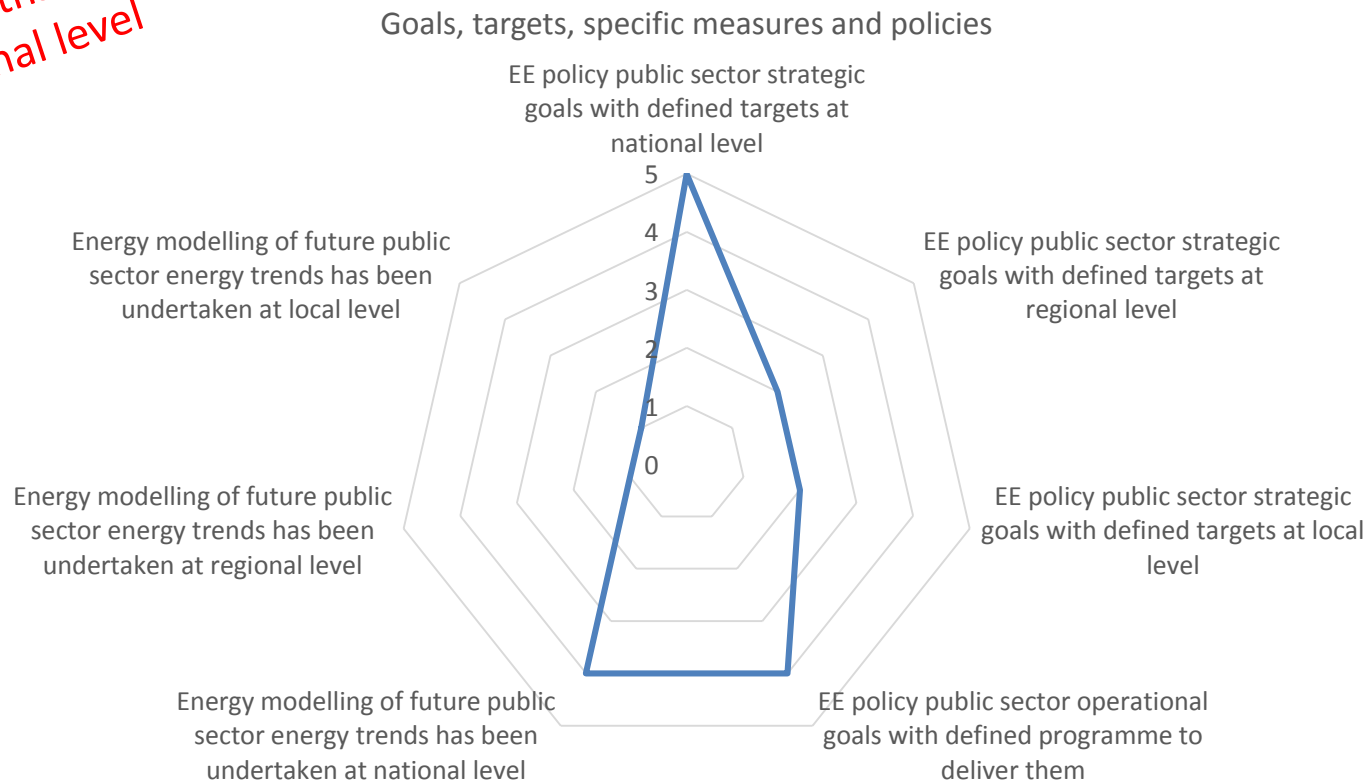
Strengthen the networking opportunities for relevant public agencies

Develop and adjust tools for public agencies to help them to implement energy efficiency policies



# From national to regional: energy policy planning issues (1)

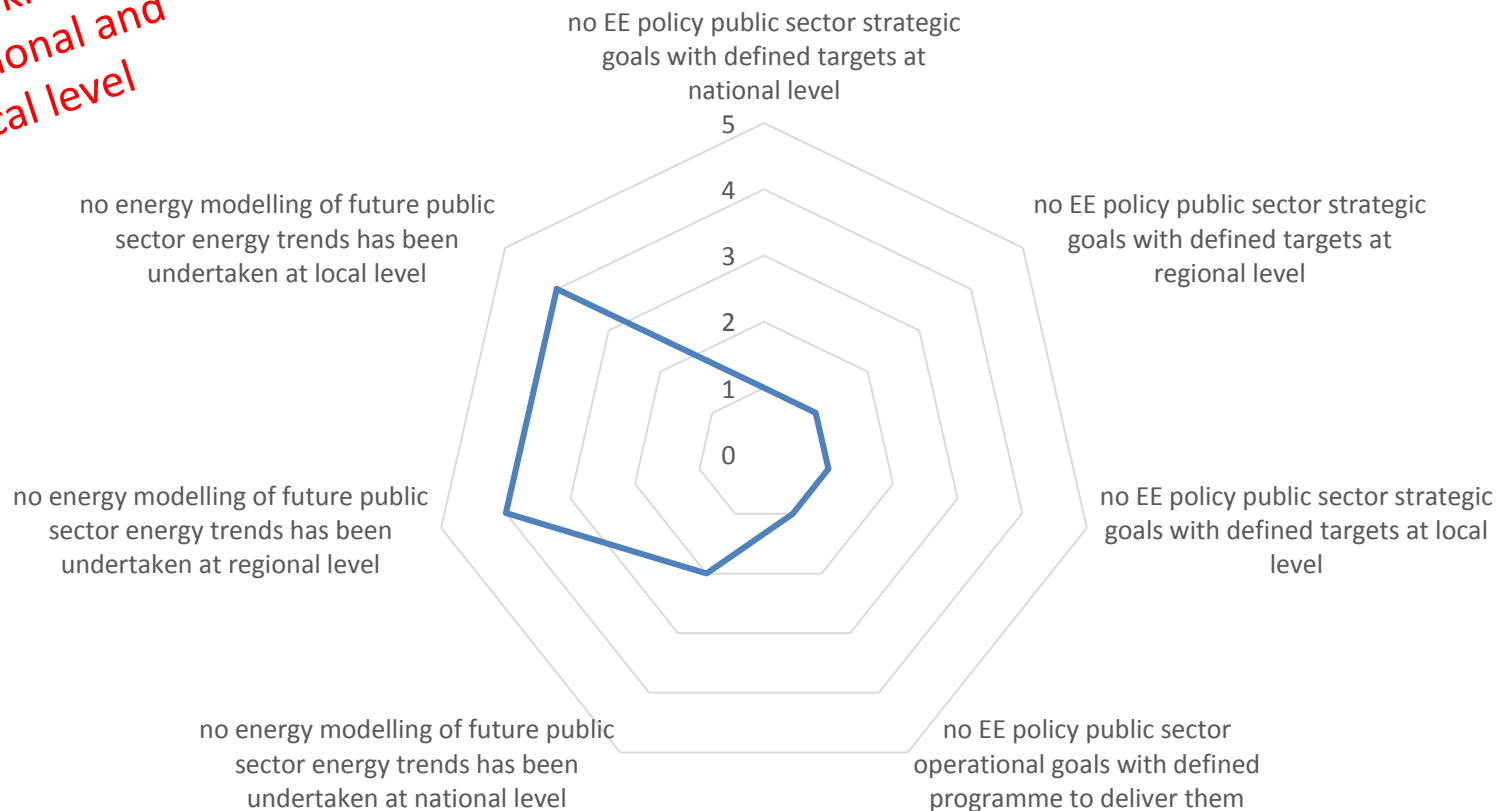
Strengths  
national level



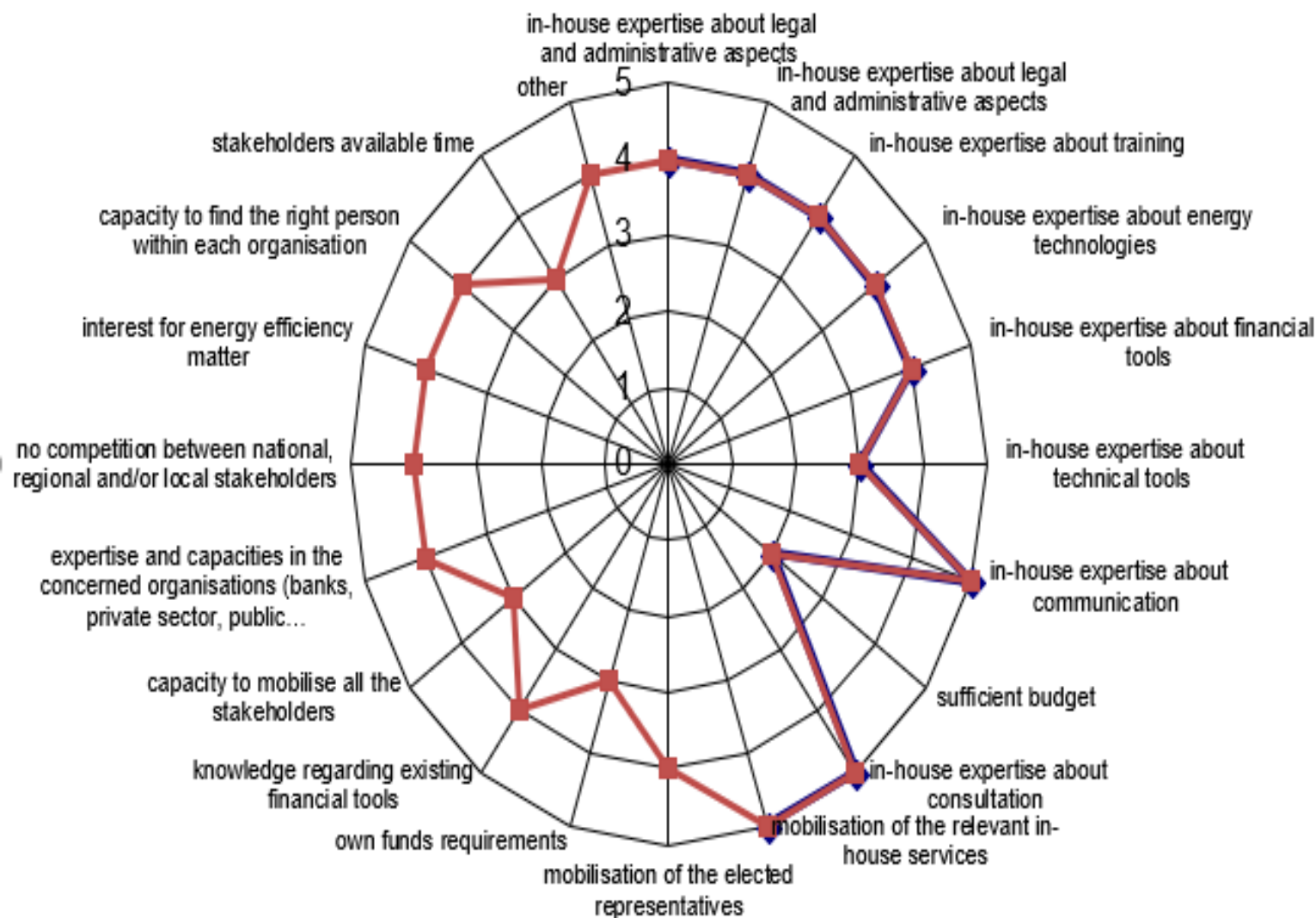
# From national to regional: energy policy planning issues (2)

**Weaknesses  
regional and  
local level**

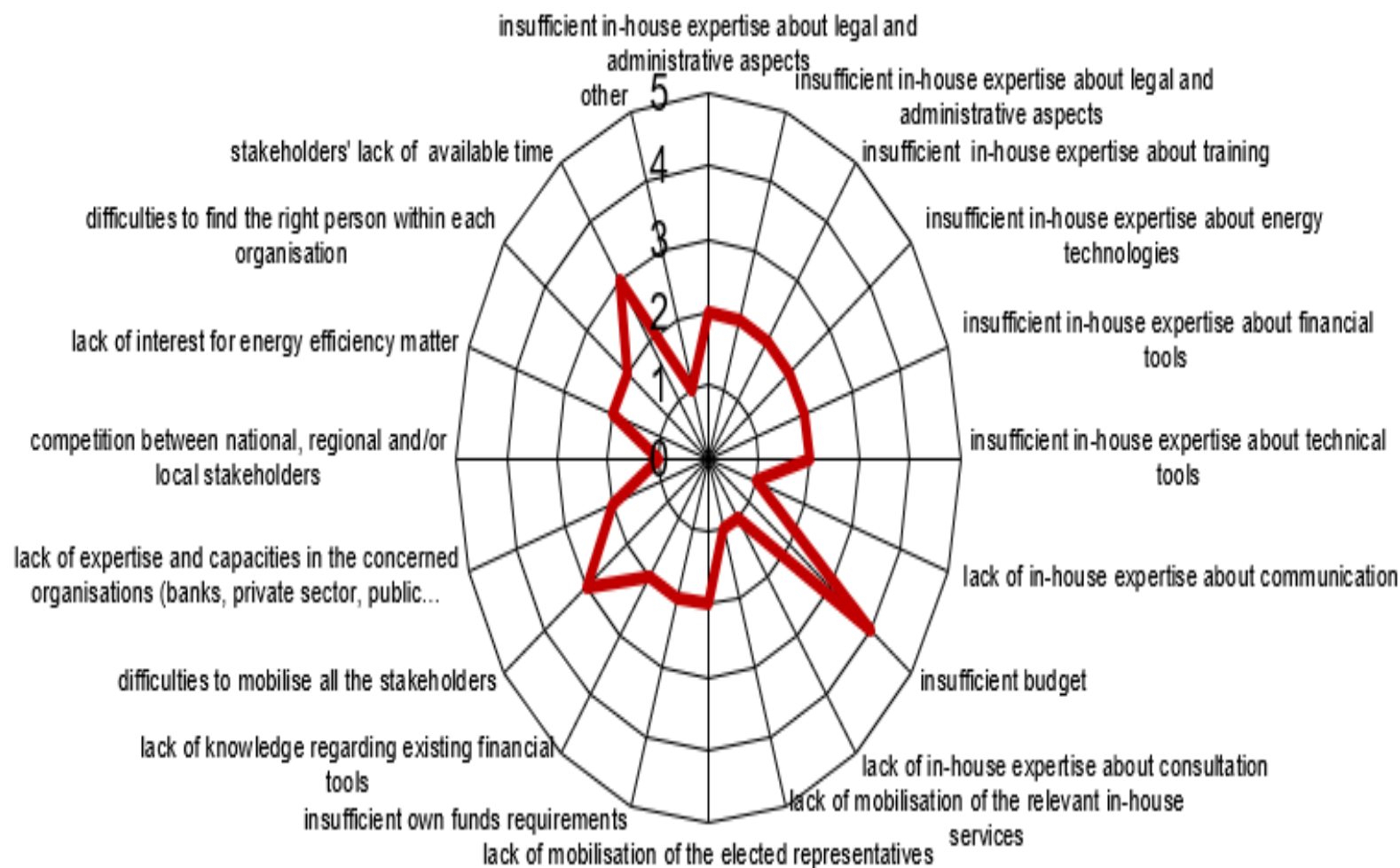
Goals, targets, specific measures and policies



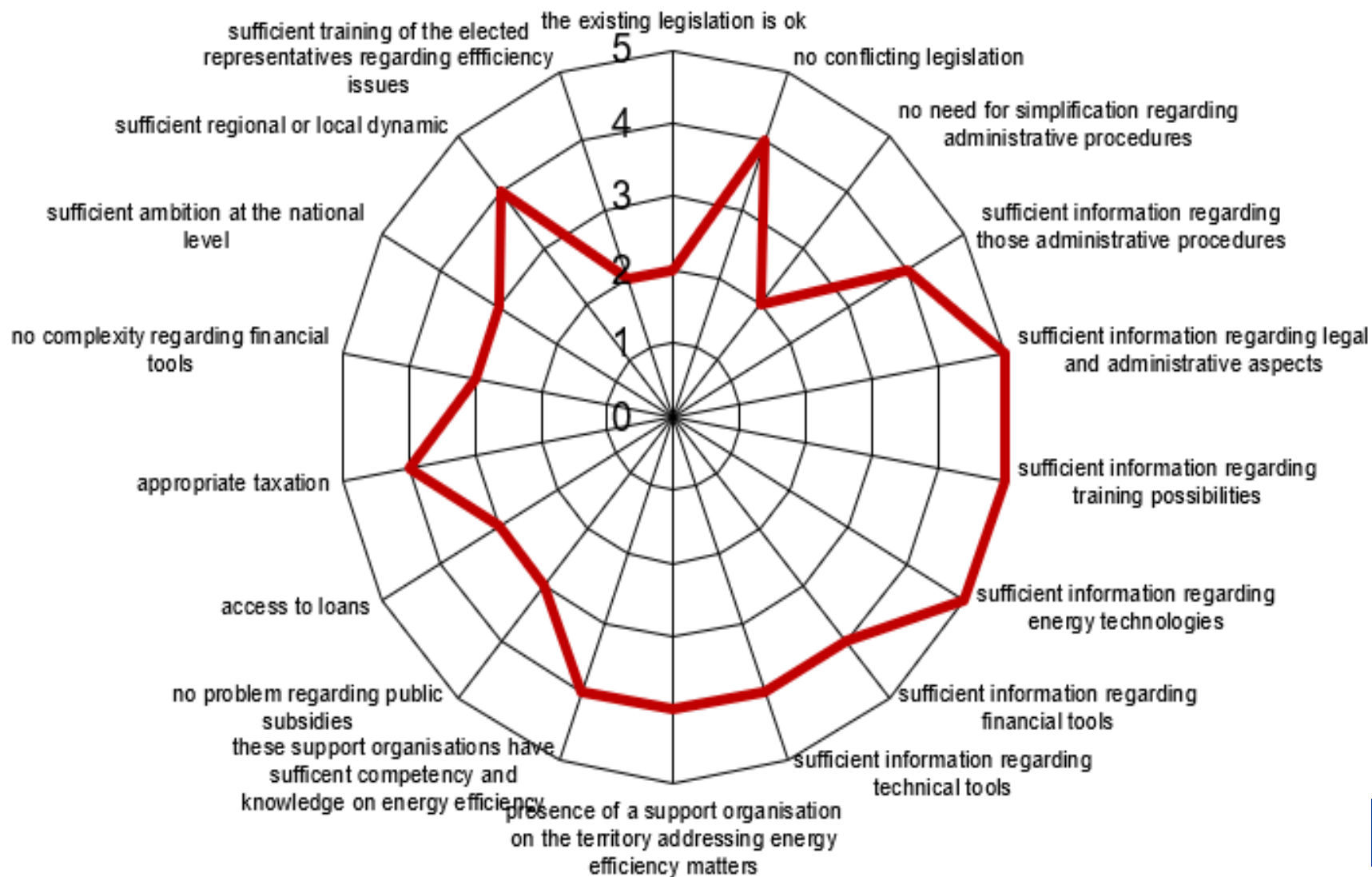
# Strengths in regional EE policy planning



# Weaknesses in regional EE policy planning

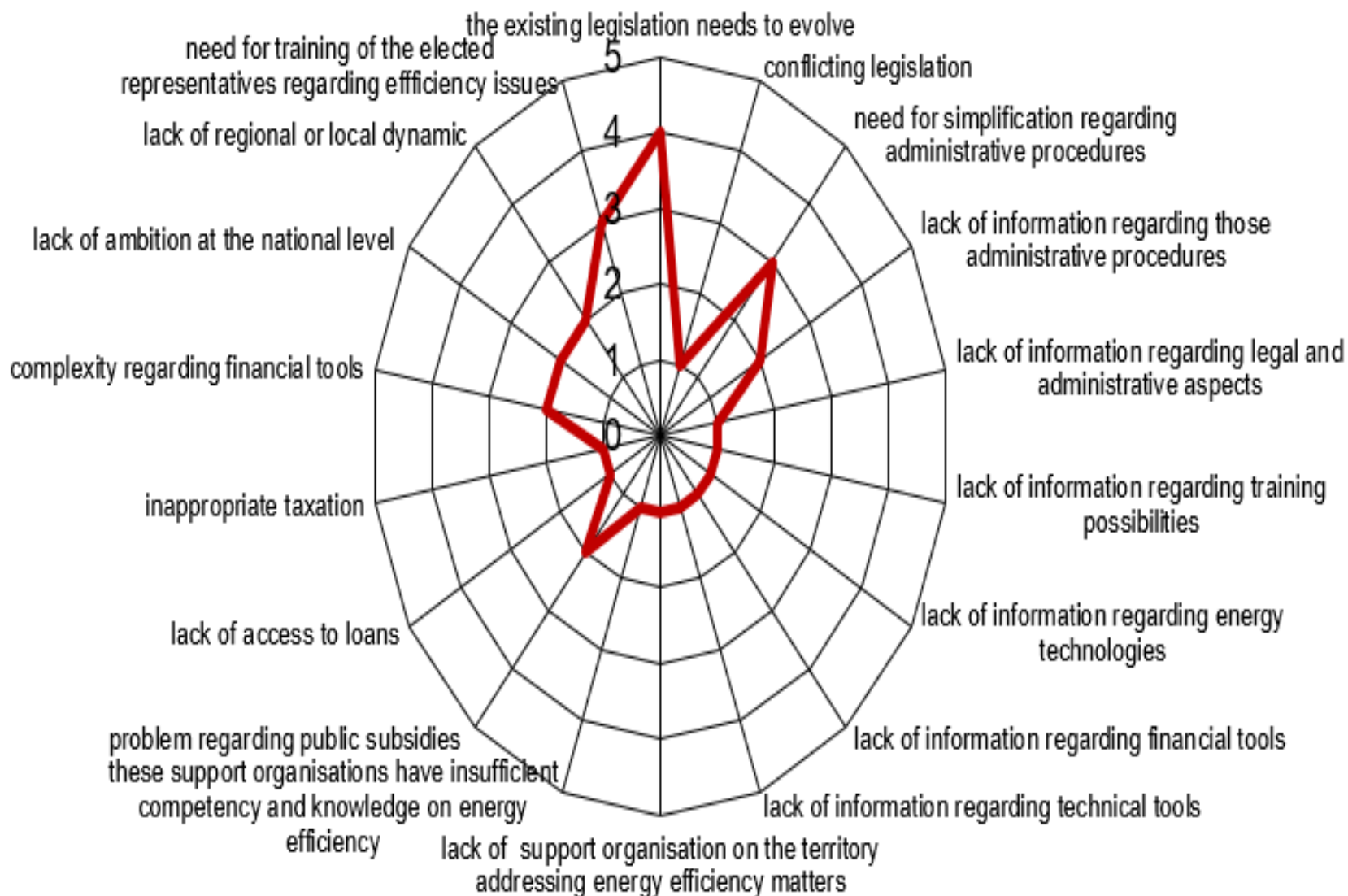


# Opportunities in EE policy planning





# Threats in EE policy planning





# Matchmaking of best practices with needs in EE policy

EC EE directive - n. art.	n. GPs identified	n. national needs			n. regional/local needs		
		identified	matched	%	identified	matched	%
Art. 3: Goals, targets, specific measures and policies	12	6	2	<u>33</u>	-	-	-
Art. 4: Building renovation	6	*	-	-	-	-	-
Art. 5: Exemplar Role of Public Body Buildings	8	5	5	100	-	-	-
Art. 6: Purchasing by Public Bodies	3	16	2	<u>12.5</u>	-	-	-
Art. 8: Energy Audits and Management Systems	14	14	14	100	-	-	-
Art. 12:- Consumer information and empowering programme	6	*	-	-	40	4	<u>10</u>
Art. 14: Technology (i.e. Promotion of efficiency in heating and cooling	12	12	9	75	-	-	-
Art. 16: Availability of qualification, accreditation and certification schemes	0	2	0	0	-	-	-
Art. 17: Information and Training	9	44	36	82	156	110	71
Art. 18: Energy Services	4	25	25	100	-	-	-
Art. 19: Other measures to promote energy efficiency	1	0	-	-	-	-	-
Art. 20: Energy Efficiency National Fund, Financing and Technical Support	11	13	13	100	28	28	100
Art. 24 : Review & Monitoring of Implementation	3	13	6	<u>46</u>	-	-	-
Art. 28: Transposition	2	0	-	-	-	-	-

**Warning! On all policy governance levels very few (or no) best practices address target setting, qualification, energy services and monitoring**

# Tools for local/regional EE pol implementation

Mainly European level tools (few national) – guidelines, softwares and few databases related to the Energy Efficiency Directive

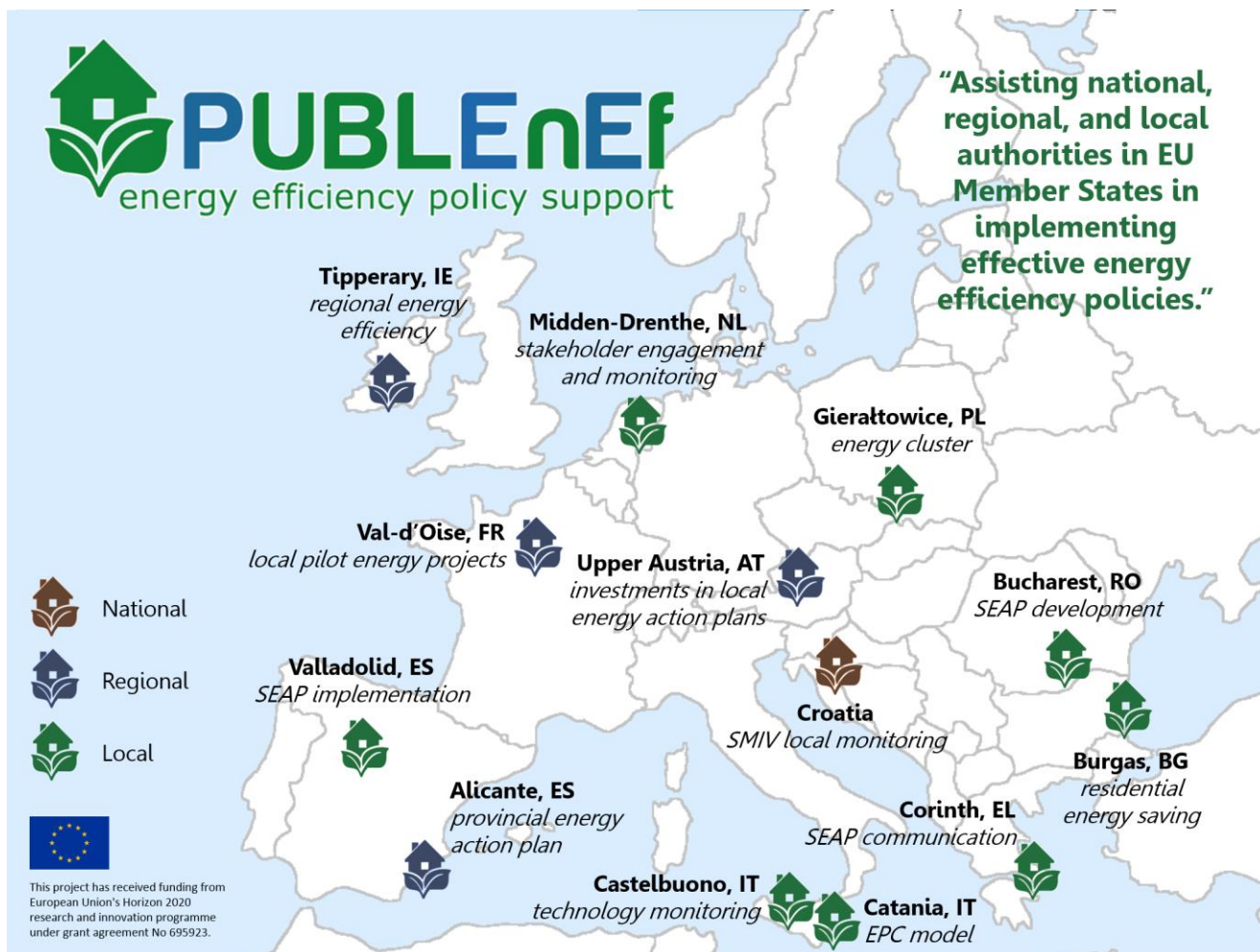
Softwares refer to Art. 17 (Information and training), and Art. 24 (review/monitoring) and very limited to audits (Ar.8), consumer information (Ar. 12) and energy services (Ar. 18).

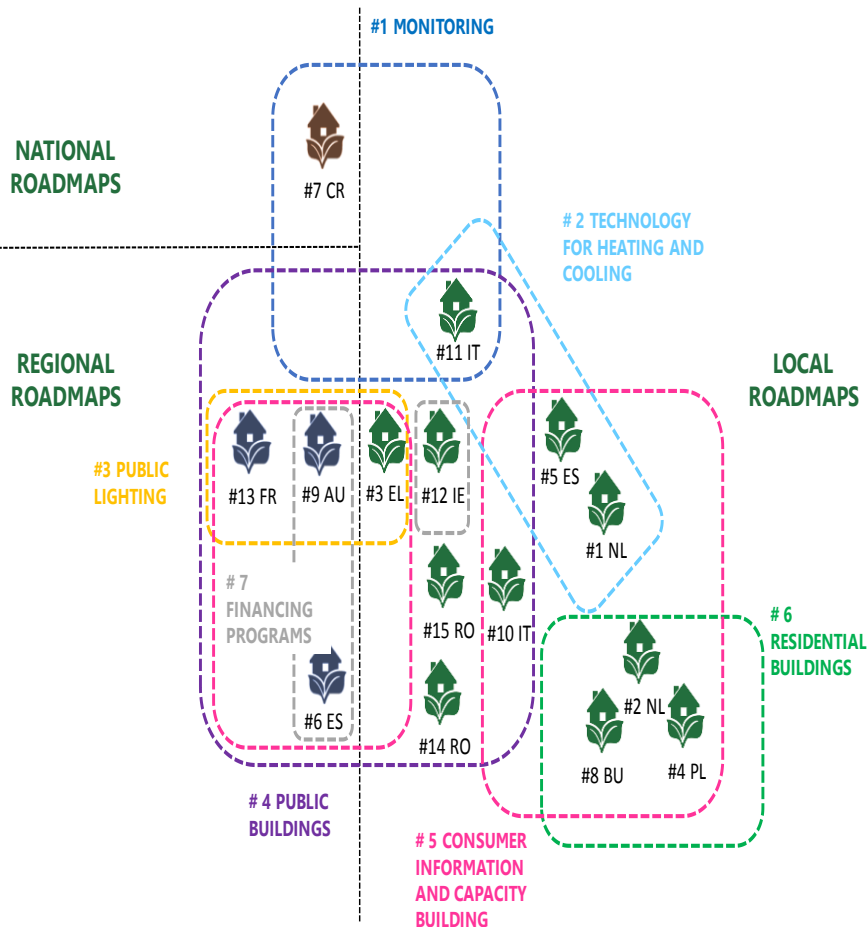
Guidelines refer to Ar. 17 and Ar. 20 (financing and technical support) and limited to renovation (Ar. 4), public procurement (Ar. 6), and heating and cooling (Ar. 14)

There are **almost NO TOOLS on**: Role of public buildings, metering, billing, cost of access to metering and billing, penalties, energy transformation, distribution, qualification – accreditation and certification schemes

PUBLNEF moves to Roadmap action: Moving from SEAPs and strategy formulation to **IMPLEMENTATION and overcoming barriers!**

# PUBLNEF Roadmaps





Specific issues	Means of addressing
<i>Lack of knowledge on technical/communication staff</i>	Seminars/Specific workshops on energy issues directly to the roadmap topic
<i>Lack of knowledge on citizens (e.g. on practical use of alternative fuels)</i>	Launching communication campaign and engaging citizens
<i>Lack of transposition from national to regional plans</i>	Experience sharing from multilevel governance cases on energy efficiency
<i>Lack of monitoring expertise</i>	Introduction of monitoring means, gradual setting up of online monitoring
<i>Large number of actions on SEAPs</i>	Selection of the most 'useful' ones where international experience exists and coupling it with roadmaps
<i>Lack of experience on an action (e.g. innovative financing)</i>	Presentation of the innovative technique to many fora to receive feedback
<i>Lack of expertise on funding seeking</i>	Realistic examples and in some cases technical assistance up to the point of writing the proposal to a fund
<i>Lack of staff!</i>	We cannot touch that BUT we can optimize their skills

# Key challenges and solutions

## **Cluster #1. Monitoring**

Main challenge: Adequate technical competences for the technical staff of the local public bodies.

Some strategies were:

Organize training seminars on energy monitoring

## **Cluster #2 and #4. Technologies for heating and cooling and public buildings**

Main challenges:

Involvement and capacitation of technical staff. And, related to cluster#1 above, collecting data on energy consumption.

Changing town council teams

Especially in small municipalities technical staff is very few people and they lack technical capabilities to run the new technologies and to carry out energy audits. Local elections or changes in responsible person can be a challenge.

Some strategies were:

Provide technical guidelines

Series of meetings

# Key challenges and solutions

## **Cluster #3. Public lighting**

Main challenge: Communication and buy-in: Some difficulties in gaining local authorities buy-in. Feedback about costs and performances.

Some strategies:

series of roadshows, workshops and conferences

## **Cluster #5. Consumer information and capacity building**

Main challenge: Communication issues. How to reach and engage the stakeholders

General e-mails got very little response. We implemented some strategies:

Very intense and direct contact (e-mails, phone calls, on-site visits)

Events organized by one municipality inviting other municipalities (FR, PL)

Form coalitions of agents (NL)

## **Cluster #6. Residential buildings**

Main challenge: Communication issues. How to reach and engage the stakeholders. Several strategies:

Creation of teams of agents that involve: mortgage lender, construction partners (including installation), Municipality (permitting), Independent energy/construction consultant and/or architect

Providing successful examples



# Core activity: Stakeholders and events

## Key objectives of PUBLNEF stakeholder events

1. Engage policymakers & assess **local and regional needs**
2. Facilitate the development & implementation of the **energy efficiency roadmaps**
3. Raise awareness on available **tools, protocols and guidelines** that assist energy efficiency project developers

## Overview

➤ Since January 2016 over 50 events at regional, national and EU level in Ireland, Netherlands, France, Spain, Italy, Croatia, Greece, Bulgaria, Romania, Austria, Poland.

### ➤ **Common agenda points crucial to the implementation of the roadmaps:**

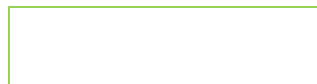
- In detail explanation of available funding programmes (regional or EU level);
- Presentation of technical assistance programmes;
- Discussions on current investments plans and local governance frameworks;
- Investigation of prospects for up-scaling for more advanced municipalities;
- Showcasing of case studies and discussion on replicability.



## How do we monitor?

“You cannot manage what you do not measure”

- Monitoring the policy implementation process
- Monitoring the effects of the roadmap
  - Overcoming specific needs with tools and best practices
  - Policy goals (e.g. financial issues, awareness, capacity building)
  - Final energy consumption



# What do we monitor?

## **Aspects of the Energy Efficiency Directive (articles)**

*Will it cover public or private buildings, financing, information etc, or a mixture of various articles?*

## **The level of governance required**

*If the roadmap refers to a city level, does it entail that decision making or implementing structures are regional or national governance?*

## **Market players and stakeholders**

*Is the roadmap implemented solely by regional/local governments? Which other market players are required to implement? Which contacts and with whom are there established? What will be the exact role of each stakeholder in the process? How is the collaboration between stakeholders and policymakers before the roadmap?*

## **Timeline of the roadmap**

*Is the roadmap an existing activity by the developer? Can it be considered as a business as usual activity? Which is the timeframe for its development and assign the milestones of the roadmap in the desired timeframe?*

## **Familiarity with the subject**

*How familiar is the roadmap developer with the subject and the market players involved?*



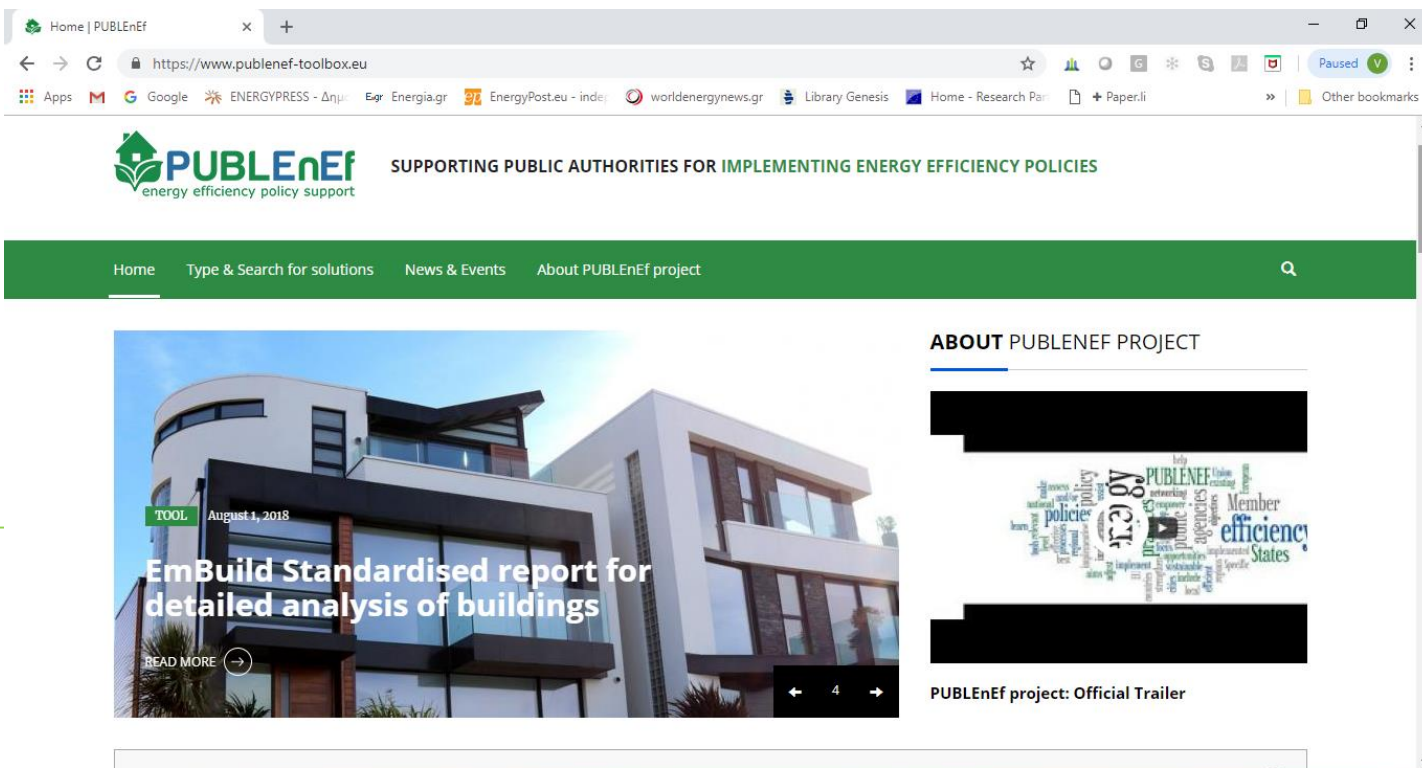
Over 250 tools uploaded (tools, good practices, etc)

PUBLnEf knowledge communities: 25 experts registered

Visitors May-October 2018: 1300

Connected with others PUBLnEf media channels

POST your question and you can receive lots of information on how to resolve!



The screenshot shows the PUBLnEf website interface. At the top, there is a navigation bar with the PUBLnEf logo and the tagline "SUPPORTING PUBLIC AUTHORITIES FOR IMPLEMENTING ENERGY EFFICIENCY POLICIES". Below the navigation bar, there is a main content area. On the left, there is a featured article titled "EmBuild Standardised report for detailed analysis of buildings" with a date of "August 1, 2018" and a "TOOL" label. On the right, there is a section titled "ABOUT PUBLNEF PROJECT" which includes a word cloud and a video player for the "PUBLnEf project: Official Trailer". The website is displayed in a web browser window with the address bar showing "https://www.publenerf-toolbox.eu".



# Example

Match your need with solutions | x +


https://www.publnef-toolbox.eu/matchmaching-weeb?text=EPC

Apps Google ENERYPRESS - Δημ EnergyPost.eu - inde worldenergynews.gr Library Genesis Home - Research Part Paper.li Other bookmarks

Home / Match your need with solutions in this tools collection

Search for EPC


The search found 15 results



**Code of Conduct for Energy Performance Contracting (EPC)**

APRIL 11, 2018 **TOOL**


European Code of Conduct for EPC (Energy Performance Contracting) has been developed for energy service providers (ESCOs).



**FAQs on LED streetlight refurbishment and EPC**

APRIL 11, 2018 **TOOL**

This 4-page PDF document contains a compilation of frequently asked questions and answers on streetlight refurbishment with EPC (Energy Performance Contract).



**EPCCheck (version 4.02), Netherlands**

AUGUST 23, 2017 **TOOL**

The EPCCheck software helps in a simple way to check whether an EPC calculation

**RECOMMENDED TOOLS**

**IN TOOLS IN PUBLNEF**

**EPCCheck (version 4.02), Netherlands**

AUGUST 23, 2017 NETHERLANDS

**Covenant capaCITY SEAP training tool**

OCTOBER 27, 2017

BULGARIA CROATIA ESTONIA FINLAND  
FRANCE GERMANY GREECE ITALY POLAND  
ROMANIA SLOVENIA SWEDEN  
UNITED KINGDOM

**ENERFUND**

APRIL 11, 2018

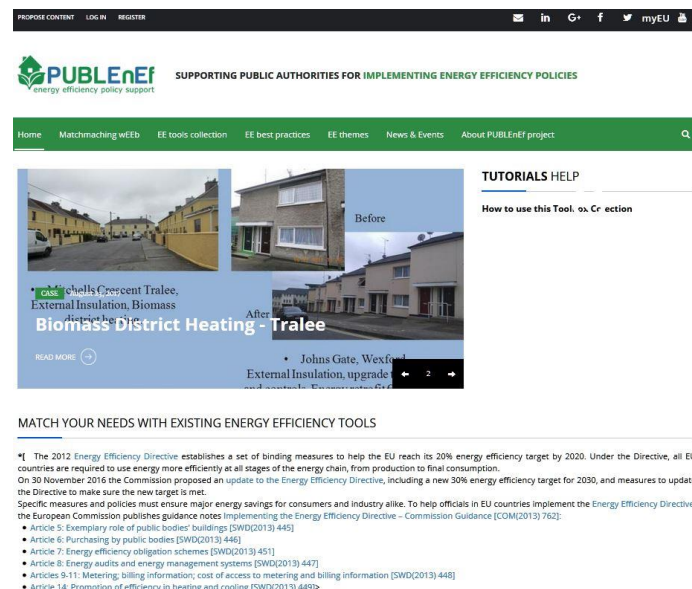
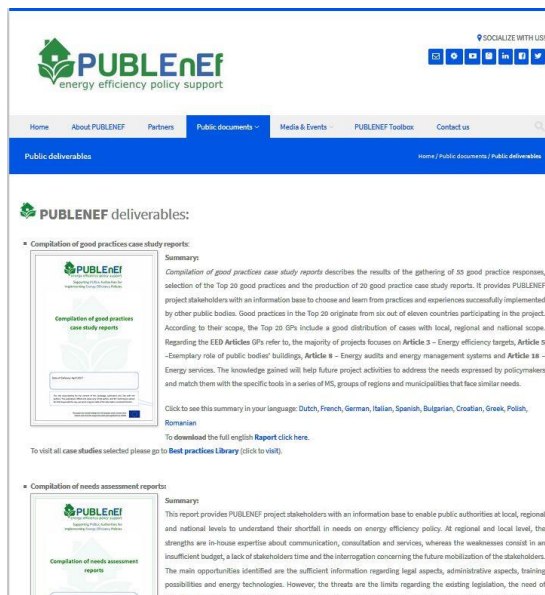
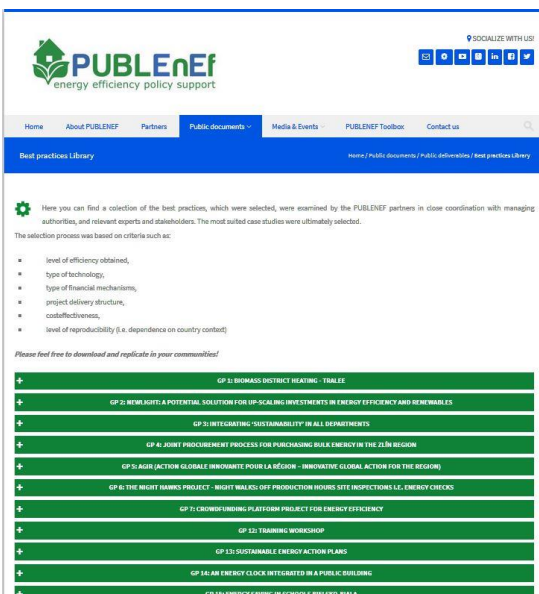
AUSTRIA BELGIUM BULGARIA CYPRUS



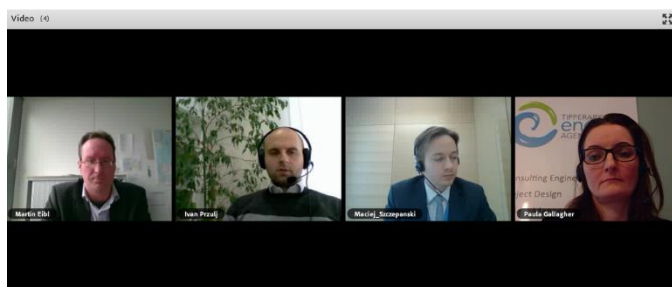
## Good practices

## Analysis of needs

## Platform with tools



## Webinar with technical assistance EC/EIB



New webinar on PPP for EE policies (EuroAce, ESV, IAU, EEFIG) on the 18<sup>th</sup> October!



For more information, please contact us

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