



Implemented by:



multEE

facilitating multi-level governance
for Energy Efficiency



Facilitating multi-level governance for Energy Efficiency

multEE

2016



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Project outline



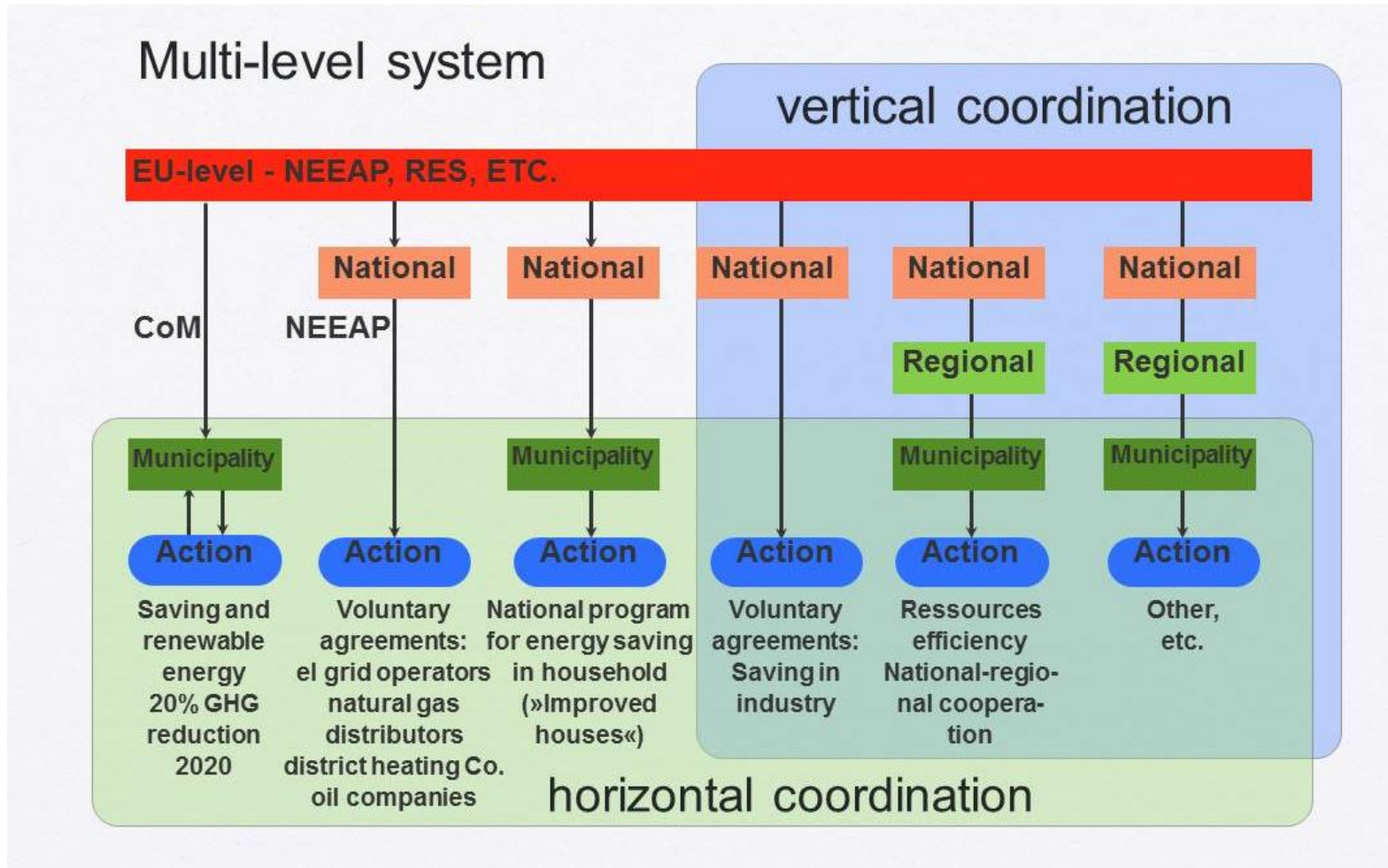
multEE is an H2020 project (2015 – 2017).

multEE aims to improve the **consistency and quality** of energy efficiency policy planning and implementation through:

- **Innovative monitoring and verification schemes**
- **Improved coordination** between different administrative levels

Challenges & objectives

The multi-level governance concept



Challenges for EE policy formulation and implementation



- **Lack of reliable data on EE measures and their results**
 - Weak energy statistics especially in countries at the European periphery make it difficult to track the effectiveness and efficiency of energy efficiency policies.
 - At the same time also the availability of data on implemented projects, their results and cost effectiveness at different governmental layers is an issue in many countries.
- **Lack of vertical and horizontal coordination of EE planning & implementation**
 - Lack of coherence between national targets and targets set by EEAP on municipal and regional level
 - Lack or underdeveloped mechanisms or for coordinating energy efficiency policy between different governmental layers
- **Lack of capacities of public authorities for planning and implementing EE measures in a multi-governance setting**

- Vertical coordination of EE policies between different levels within a country has been a neglected issue in the past

"little attention has been given to the challenge of engaging and connecting different levels of government in the energy efficiency policy process. This is an important gap because all levels of government can play critical roles in the energy efficiency enhancement process." (IEA 2009)

- No Intelligent Energy or Horizon 2020 project targeting the interplay between national (regional) and local levels has been financed in the past years. Only very little literature is available on this topic.
- Since the 2020 targets on EE will not be reached according to current projections the Commission is putting a higher emphasis on addressing governance failures and non-technical barriers to implementing EE measures in recent funding programmes.

Objective of the multEE project



multEE aims to improve the **consistency and quality** of EE policy planning and implementation through:

1. The introduction of innovative, bottom-up **monitoring and verification (M&V) schemes**

These schemes are based on bottom-up data to ensure the impact of energy efficiency measures is correctly evaluated and useable for future energy efficiency planning.

2. The improvement of **vertical and horizontal coordination** between administrative levels

Based on analysis of good practices from the EU 28 proposals for improving the design and implementation of energy efficiency policies shall be improved in the partner countries.

Project Duration: 03/2015 – 08/2017

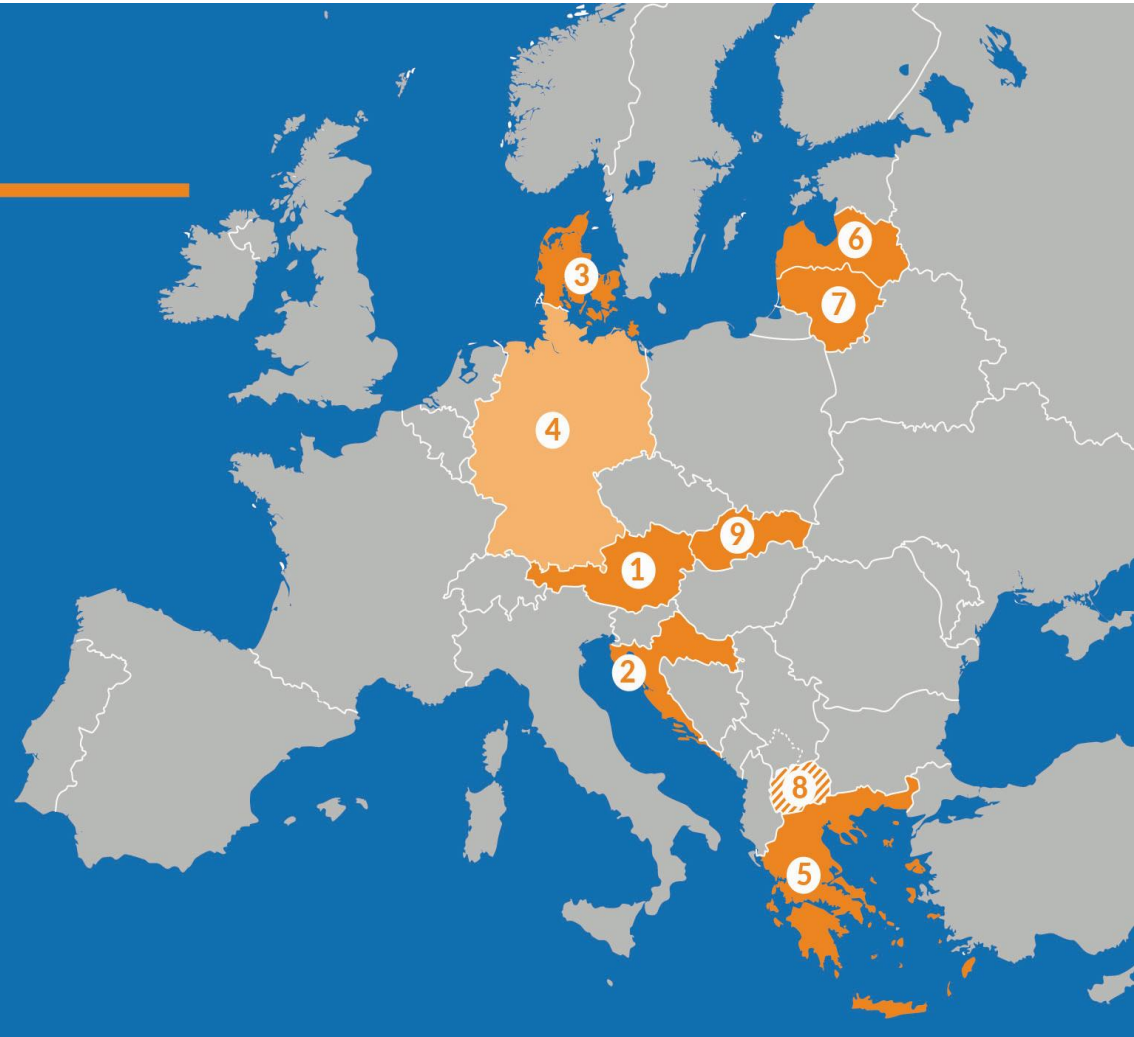
Consortium

The multEE consortium



Consortium Members

- 1 Austria
- 2 Croatia
- 3 Denmark
- 4 Germany*
- 5 Greece
- 6 Latvia
- 7 Lithuania
- 8 FYR of Macedonia
- 9 Slovakia

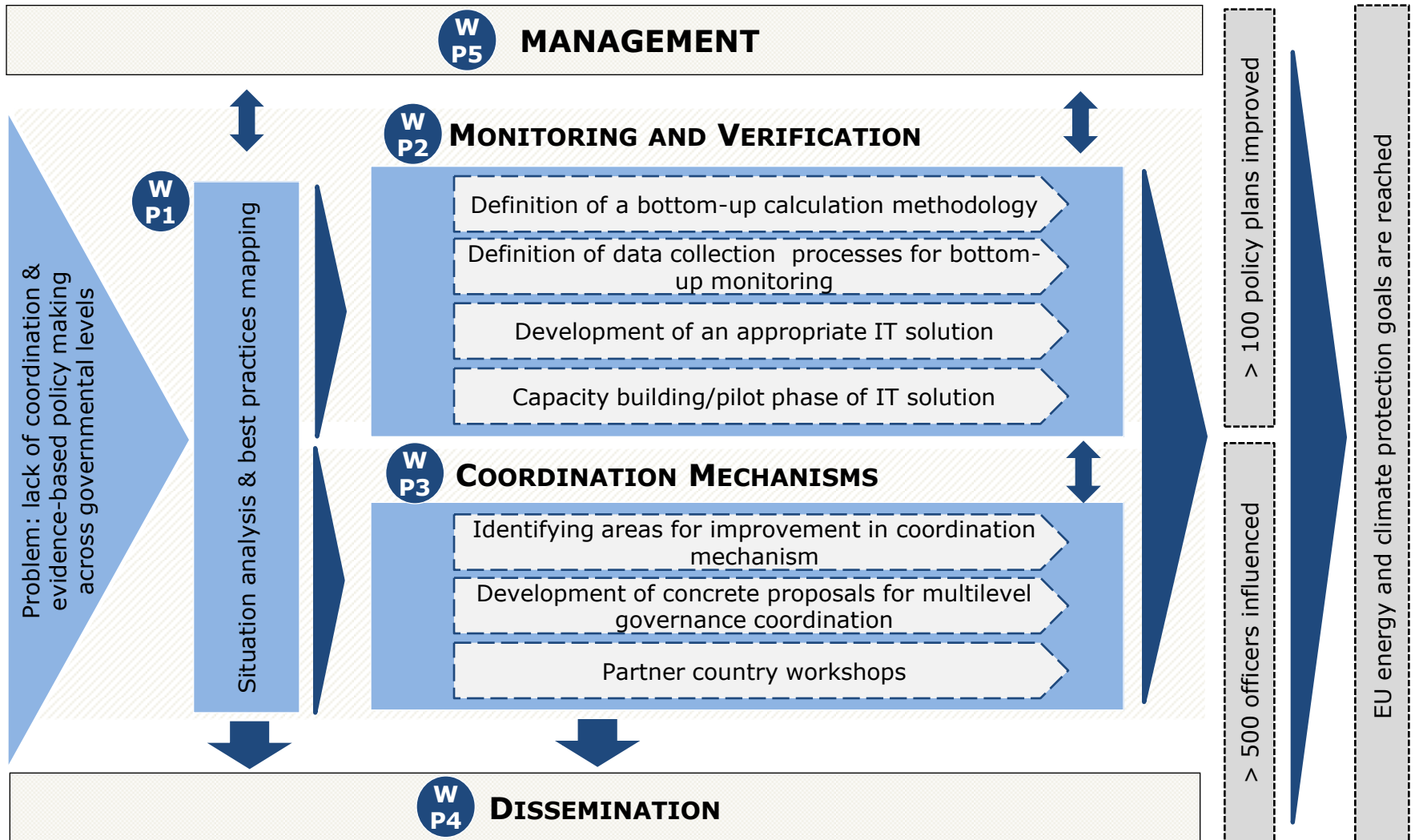


The multEE consortium

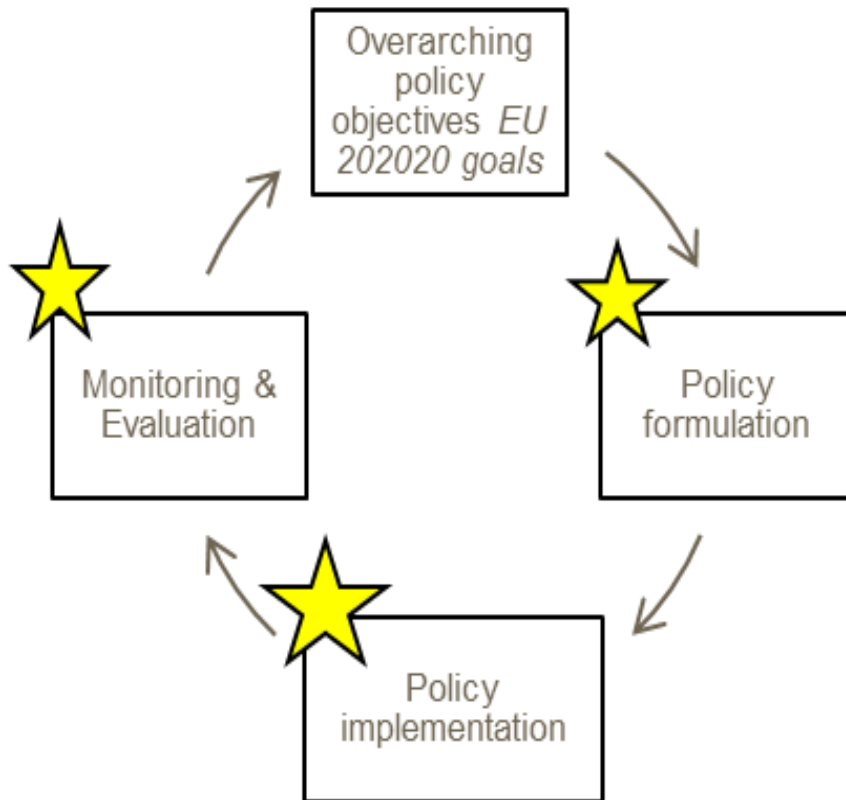


Participant organisation name	Short Name	Country
Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH	GIZ	DE
Roskilde University	RUC	DK
Ecologic Institute	EI	DE
Austrian Energy Agency	AEA	AT
Energy Institute Hrvoje Požar	EIHP	HR
Institute for Physical Energetics	IPE	LV
Lithuanian Energy Institute	LEI	LT
Macedonian Center for Energy Efficiency	MACEF	MK
Center for Renewable Energy Sources and Saving	CRES	GR
Slovak Innovation and Energy Agency	SIEA	SK

Methodology, outputs & expected impacts



Interventions in the policy cycle



- multEE improves knowledge about concrete effects of energy efficiency policy measures through M&V systems based on bottom-up data.
- multEE improves the quality of energy efficiency policies by feeding in evidence into the formulation process
- Implementation of efficiency plans and evaluation is improved by enhanced coordination between and among governmental layers

Project outputs



M&V	Catalogue of bottom-up methods	A catalogue of new and existing bottom-up methods has been prepared. Reference values will be collected on selected measures for each country.
	IT solution for bottom-up monitoring	A cutting edge IT solution in local language will be developed free of charge for the participating countries, allowing for an effective and cost-efficient reporting on implementation of Energy Efficiency Action Plans on a local, regional and national level.
Coordination mechanisms	SWOT analysis of country situation	Analysis of coordination mechanisms and M&V schemes in partner and other EU countries is performed.
	Improvements in coordination	Proposals on improving coordination mechanisms based on best practices identified in other EU Member States and taking into account the specific type of governance in the countries will be developed.

Expected impact



Better public spending	Scarce public resources can be saved by basing future energy efficiency programmes on most cost-efficient measures with the highest savings as identified from the monitoring data.
More evidence-based policy making	Energy efficiency policy can be formulated more evidenced based using data from the Monitoring and Verification Platform.
More targeted support schemes and better implementation	Involving stakeholders on all administrative levels in policy formulation and implementation will improve information flow and design of support schemes thus leading to greater acceptance and better implementation of EEAP.

Work Packages overview

WP1 – Analyse status quo and best practices



Analysis of status quo and development of inventory of best practices concerning M&V schemes and coordination mechanisms

Objective: Conduct a thorough **analysis of the status quo** in EU member states regarding:

- Implemented **M&V schemes** and
- Established **coordination mechanisms**

The aim of this analysis is to:

- Identify **best practices** and use them for activities in WP2
- Provide a basis for the formulation of **recommendations** for country-specific coordination mechanisms in WP3.

WP2 – Develop and implement bottom-up monitoring systems



Development and implementation of a methodology for bottom-up calculation, data collection and integrated M&V schemes including capacity building

Objective: introduce or refine bottom-up monitoring systems in participant countries

Specific objectives :

- Develop country specific bottom-up calculation methods,
- Define data collection processes,
- Develop and implement an appropriate IT solution for bottom-up monitoring
- Provide capacity building in the partner countries

WP3 – Recommend coordination mechanisms



Development of recommendations for country-specific coordination mechanisms and capacity building

Objective: develop and improve country specific **coordination mechanisms** in energy efficiency, based on:

- the examination of the implemented M&V schemes and coordination mechanisms (WP 1)
- the development of an improved bottom-up methodology, data collection and integrated M&V schemes (WP 2).

Specific objectives:

- Develop concrete proposals for multilevel governance procedures for the partner countries related to their type of governance
- Improve coordination among the administrative levels for a better implementation of energy efficiency policies & measures

WP4 – Dissemination and communication



Objective: **involve regional, national and European stakeholders** in the development and outputs of the project, to ensure achievements and outputs of the project are relevant for the target countries. Furthermore, project results are effectively disseminated and communication material is developed based on the project findings.

Thank you!

multEE Consortium:

[Deutsche Gesellschaft für Internationale Zusammenarbeit \(GIZ\) GmbH](#)

[Roskilde University](#)

[Ecologic Institute](#)

[Austrian Energy Agency](#)

[Energy Institute Hrovje Požar](#)

[Institute for Physical Energetics](#)

[Lithuanian Energy Institute](#)

[Macedonian Center for Energy Efficiency](#)

[Centre for Renewable Energy Sources and Saving Foundation](#)

[Slovak Innovation and Energy Agency](#)

Project Website: www.multEE.eu