



WP 4.1.3

Preparation of action plans and timelines for pilot implementations

Pilot 1

ICT system to support energy efficiency measures

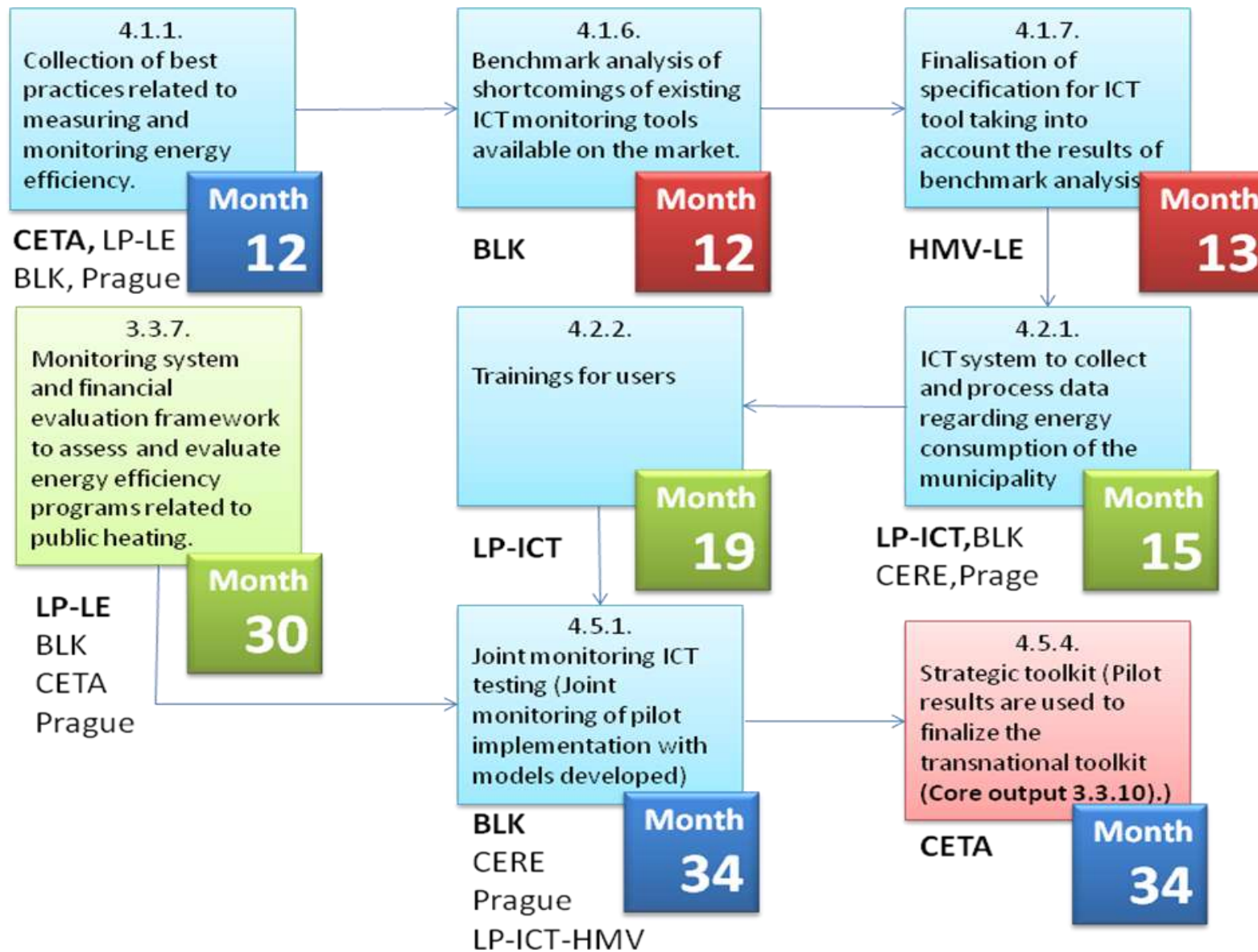
- 1. Action Plan_main tasks and dates of the Pilot action***
- 2. Flow chart of the Pilot action***
- 3. The innovation of the ICT system, Energy Monitoring Society Program***

1. Action Plan_main tasks and dates of the Pilot action

ask	When	Who	Tasks	Output quantified	Remark
4.1.3.	12	LP-LE		1 action plan jointly worked out	
4.1.1.	12	CETA	Expert consultancy on EE and RES	1 docu of best practices jointly worked out (all pilots)	harmonisation with 4.1.6. needed
		LP-LE	Expert consultancy on EE and RES		
		BLK	Specialists for ICT and energy engineering will realize the development of ICT tools. This work is preparing the development of the ICT system.		
		Prague	Collection of the best practices related to measuring and monitoring energy efficiency and the use of RES in public buildings on a partner level - the result will be a brochure with the collected best practices.		
4.1.6.	12 instead of 10	BLK		1 benchmark analysis with a focus on the BAT and the practice of municipalities	harmonisation with 4.1.1. needed
4.1.7.	13 instead of 12	LP-HMV-LE		1 finalised specification	

ask		When	Who	Tasks	Output quantified	Remark
4.2.1.	ICT system to collect and process data regarding energy consumption of the municipality	15 instead of 29	LP-ICT	Realisation of the monitoring system on the selected pilot buildings.	1 ICT tool jointly developed	
			BLK	Feasibility study for an ICT system to measure energy efficiency in public buildings on the basis of given tools and frames.		
			CERE	IT and engineering consultancy for adapting the measuring system to partner cities. Harmonize existing databases and to develop link-definitions to ICT-Tool.		
			Prague	Feasibility study for the adaptation of the measuring system on the partner level (Czech mutation and technical adjustments and to start up of the SW.).		
4.2.2.	Trainings for users	19 instead of 29	LP-ICT		1 training for future users	
3.3.7.	Monitoring system and financial evaluation framework to assess and evaluate energy efficiency programs related to public heating. Findings used in action 4.5	30 instead of 34	LP-LE		1 assessment report	
4.5.1.	Joint monitoring ICT testing (Joint monitoring of pilot implementation with models developed, i.e. monitoring tools from toolkit (Output 3.3.7))	34	BLK	Joint monitoring to evaluate the results of pilot implementations by monitoring the tools and systems involving external experts.	1 assessment report for the pilot implementation	joint monitoring society
			Prague	Evaluation of the ICT tool and its impact on a partner level. Creation of a local evaluation report as a material for the general assessment report of the ICT tool.		
			CERE	Independent monitoring activities, independent appraisal 4 expert days for 500.- per day to evaluate and monitor project results from Austrian side.		
			LP-ICT-HMV	Independent monitoring activities, independent appraisal		
4.5.4.	Strategic toolkit (Pilot results are used to finalize the transnational toolkit (Core output 3.3.10).)	34	CETA	Feeding pilot results into strategy/toolkit (core outputs)-finalize the transnational toolkit (outputn3.3.10)	1 final version of toolkit (3.3.10), 1 final version of 3.2.1	

2. Flow chart of the Pilot action





3. The innovation of the ICT system_Energy Monitoring Society Program

Our aim:

The establishment of an Energy Monitoring Society Program within Europe, during which the energy use of buildings and consumption places of the partner countries participating in the consortium can be compared as a result of the measurements, to develop common savings plans, to harmonise software operating between nations, the possibility opens for common energy procurement and to exchange knowledge between energy experts. In our opinion, we can promote the increase of innovative, cost effective and environmentally conscious energy use of the institutions participating in the program by cooperation between the countries and by sharing experiences.

Advantages of the Energy Monitoring Society:

For the institutions of the countries operating in the Society and participating in the energy metering:

- comparison of energy consumption data
- analysis of energy consumption data
- comparison of energy consumption trends
- analysis, incentive and competition of energy consumption savings among the countries
- comparison of energy consumption plans
- determining energy development directions and formulating suggestions based on the analysis of energy consumption data of buildings
- realization of common energy procurement and thereby optimizing the price of energy



Tasks:

- Installation of harmonisation of energy monitoring at metering locations between nations
- Installation of data acquisition and sender devices at the different consumption locations
- Analysis, comparison and continuous tracing of data of institutions participating in the metering
- Suggestion of energetic modernisation to the institutions participating in the metering
- Continuous exchange of knowledge between energy experts
- Initiation and analysis of an international CO₂ saving competition

Summary

The biggest challenge in the future is the operation of the buildings in an energy-efficient, sustainable and environmentally friendly way, as well as the reduction of the continuously rising energy costs and optimizing energy utilisation. The Energy Monitoring Society to be established wishes to provide further aid to this, to help the given institutions in further development, optimizing energy use and establishment of cooperation between countries by sharing common experiences, comparing readings and sharing knowledge between each other. This international cooperation and exchange of experiences supports strongly one of the most important energetic development directions within the European Union, Smart Metering and the development and wide-spread acceptance of Smart Grid systems.