



<p>Project Title: Regional and Local public Authorities cooperating in sustainable energy planning through effective multi-level governance models</p> <p>Acronym: Coopenergy</p> <p>Grant Agreement Number: IEE/12/703/SI2.645696</p>	
D7.1	Set of updated IEE Common performance indicators
Associated WP	Work Package 7
Associated Tasks	Task 7.3
Due date	15th June 2013
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Prepared by	LP
Partners involved	All partners
Dissemination Level	PU



COOPENERGY Updated IEE Common performance indicators:

The following common performance indicators are based on the initial Coopenergy Annex I document. Their revision was discussed among partners during the PM2 held in Canterbury, UK on **November 7, 2013**.

The following considerations were then formulated and agreed:

1. Some actions have only been started during this 1st semester of the project and it is difficult to better assess the targets within the action duration and by 2020, as compared to what was initially planned during the project proposal phase. It is highly recommended to re-assess the impact half way through the project (month 18).
2. The highest impact comes from the additional 5% reduction in GHG emissions by 2020 within the partner regions. Although this assumption might seem on the high side, project partners agreed that this assumption was mainly related to the revision of the Regional SEAPs and to a less extent to the implementation of the joint action. Due to the strategic nature of the revision of the regional SEAP, all project partners agreed to maintain the assumption of 5% reduction of GHG emissions.
3. Project partners agreed on the fact that reductions in GHG emissions should be compared to projections as it is the case for primary energy (as corrected in the table below)
4. All other assumptions and targets were confirmed by project partners at this stage of the project.

Overall objective	Target within the action duration :	Target by 2020:
To contribute to the EU 2020 targets on energy efficiency and renewable energy sources	<ul style="list-style-type: none"> ▪ 330 million Euro Cumulative investment made by European stakeholders in sustainable energy (Euro) 	<ul style="list-style-type: none"> ▪ 944 million Euro cumulative investment made by European stakeholders in sustainable energy (Euro)
	<ul style="list-style-type: none"> ▪ 315.700 Renewable Energy production triggered (toe/year) 	<ul style="list-style-type: none"> ▪ 902.000 Renewable Energy production triggered (toe/year)
	<ul style="list-style-type: none"> ▪ 252.500 Primary energy savings compared to projections (toe/year) 	<ul style="list-style-type: none"> ▪ 721.500 Primary energy savings compared to projections (toe/year)
	<ul style="list-style-type: none"> ▪ 3.377.500 Reduction of greenhouse gas emissions compared to projections (t CO₂e/year) 	<ul style="list-style-type: none"> ▪ 9.650.000 Reduction of greenhouse gas emissions compared to projections (t CO₂e/year)

A concise, yet robust, explanation of the baseline, benchmarks and assumptions for the extrapolation are given below:

- During the project, 8 regional SEAPs will be defined or revised encompassing in total 4074 local municipalities.
- We consider that each committed community will normally reduce GHG emission by 20% by 2020 that is to say 29,8 millions t Co2e/year contributing to EU target (cf. table below). Since it is not directly due to the project this figure is thus not included in our above-mentioned estimation.
- We consider that the project, through the implication of local authorities in the definition of a shared vision and ambitious regional objectives, and the support to local SEAPs through collaborative models, will contribute to an additional 5% reduction in GHG emissions of which:
 - o 40% due to energy savings
 - o 50% linked to the development of RES
 - o 10% related other GHG emission (CH4, NO2,, etc) reduction.
- In beneficiary regions (for direct collaboration on good practice transfer) we consider that the project will contribute to an additional 1% reduction in GHG emissions with a similar repartition and that the 12 beneficiaries regions GHG emissions in 1990 were 200 MtCO2/year
- We are not considering the indirect impacts of the project in the regions and European local authorities that will benefit from the promoted project results.
- To estimate energy savings and renewable energy production, we consider the standard European emission factor for consumed electricity is 0,46 tCo2/MWh and conversion rate 11,63MWh/toe.
- We consider a basic average investment of 50€ per saved or RES produced MWh.
- Since the project is expected to last until 2016 we consider that 35% of the aforementioned reductions are expected to have been accomplished within the project duration.

Accordingly, renewable energy production, primary energy savings and cumulative investments can be calculated up to 2020

<i>Region</i>	<i>Population</i>	<i>Number of municipalities</i>	<i>GHG Emissions (t CO₂e/year) in 1990</i>
RHONE-ALPES REGION	6 272 500	2 879	48 M
KENT COUNTY	1 427 400	13	13,0 M
LIGURIA REGION	1 616 800	235	11,7 M
ZLIN REGION	600 000	304	4,6 M
NORRBOTTEN REGION	250 000	14	4,9 M
BASQUE REGION	2 100 000	251	21,1 M
MALOPOSKA REGION	3 300 000	182	21 M
METROPOLITAN REGION RHINE-NECKAR	2 400 000	196	24,8 M
TOTAL	17 966 700	4 074	149, 0 M