

**Interreg**

CENTRAL EUROPE



European Union  
European Regional  
Development Fund

**PROSPECT2030**

TAKING  
**COOPERATION**  
FORWARD



Second project meeting: Budapest  
29th - 30th of October 2019



**Presentation of the low carbon investments  
funding report**



PROSPECT2030 | Piemonte Region | Silvio De Nigris - Silvia Bonapersona

# SUMMARY

Structure of  
the assessment  
and sources of  
information

EU fundings  
assessment.  
Main results

National  
incentives.  
Main results

Regional ERDF.  
Main results



## Structure and sources of information

At EU level (direct access or through MA and JS), a rough assessment of the following program has been implemented:

- Life
- H2020
- Interreg Alpine Space
- Interreg CentralEurope
- Interreg MED
- Interreg Europe
- European Fund for Strategic Investments
- European Local Energy Assistance (ELENA)



## Structure and sources of information

For each Program:

- the list of projects with a PP belonging to Piemonte Region has been created
- the budget assigned to PP belonging to Piemonte Region has been calculated
- whenever possible (in terms of working hours), a ranking list among Italian Regions has been elaborated
- whenever possible the share of number of projects and budget assigned to the Piemonte regional system has been calculated (only limited to low carbon priority)
- For those program noproject sheet has been elaborated (too many projects!)



# PRESENTATION OF THE LOW CARBON INVESTMENTS FUNDING REPORT

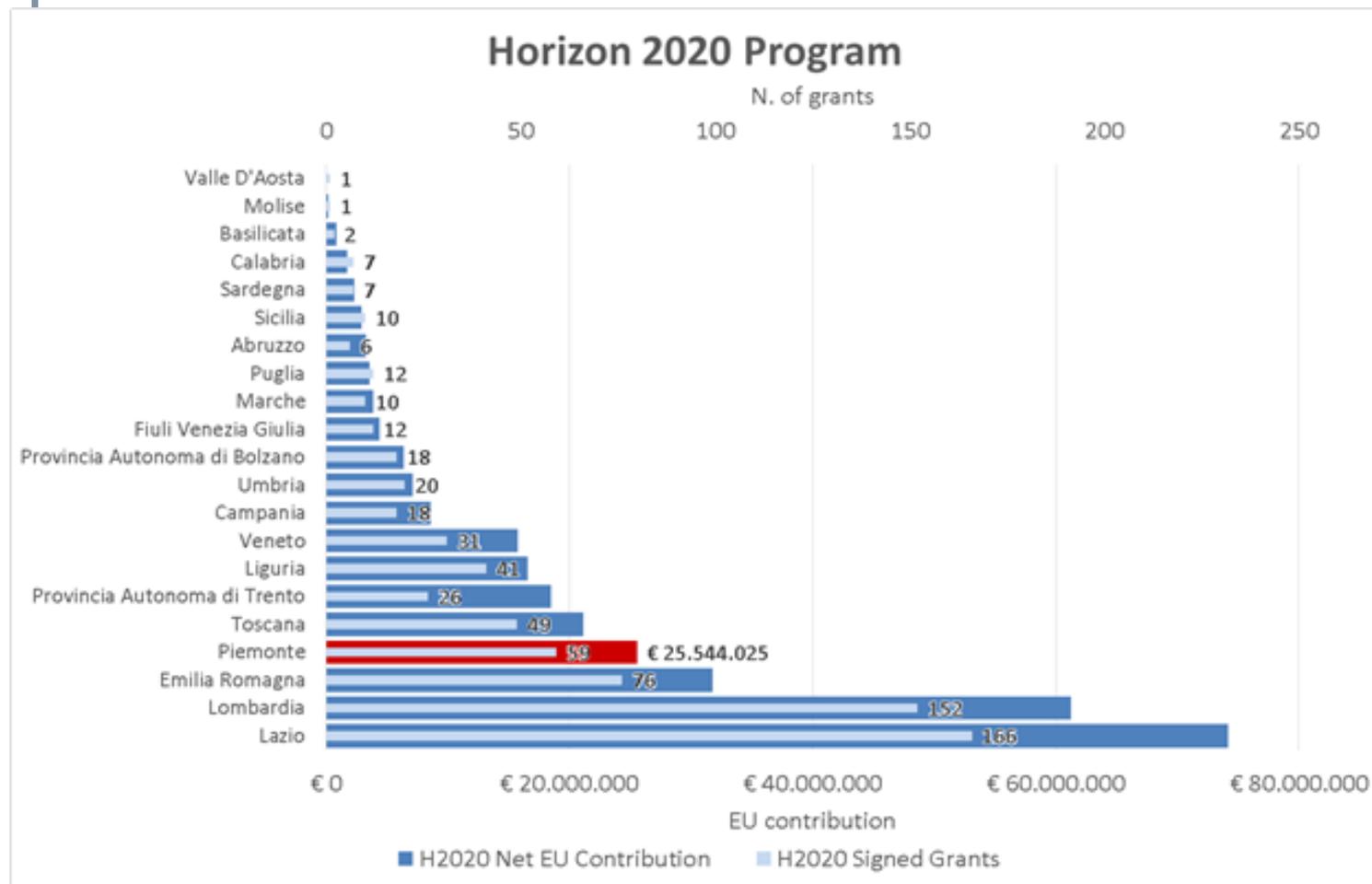
## Examples of assessment

Interreg Programs	Funds		Projects	
	Amount k€	%	N.	%
Alpine Space	3.300	10,5%	9	64,0%
Central Europe	659	1,53%	3	13,0%
MED	1.300	2,7%	3	12,0%
Interreg Europe	413	0,5%	2	3,0%
<b>Total</b>	<b>5.672</b>	<b>2,9%</b>	<b>17</b>	<b>13,3%</b>



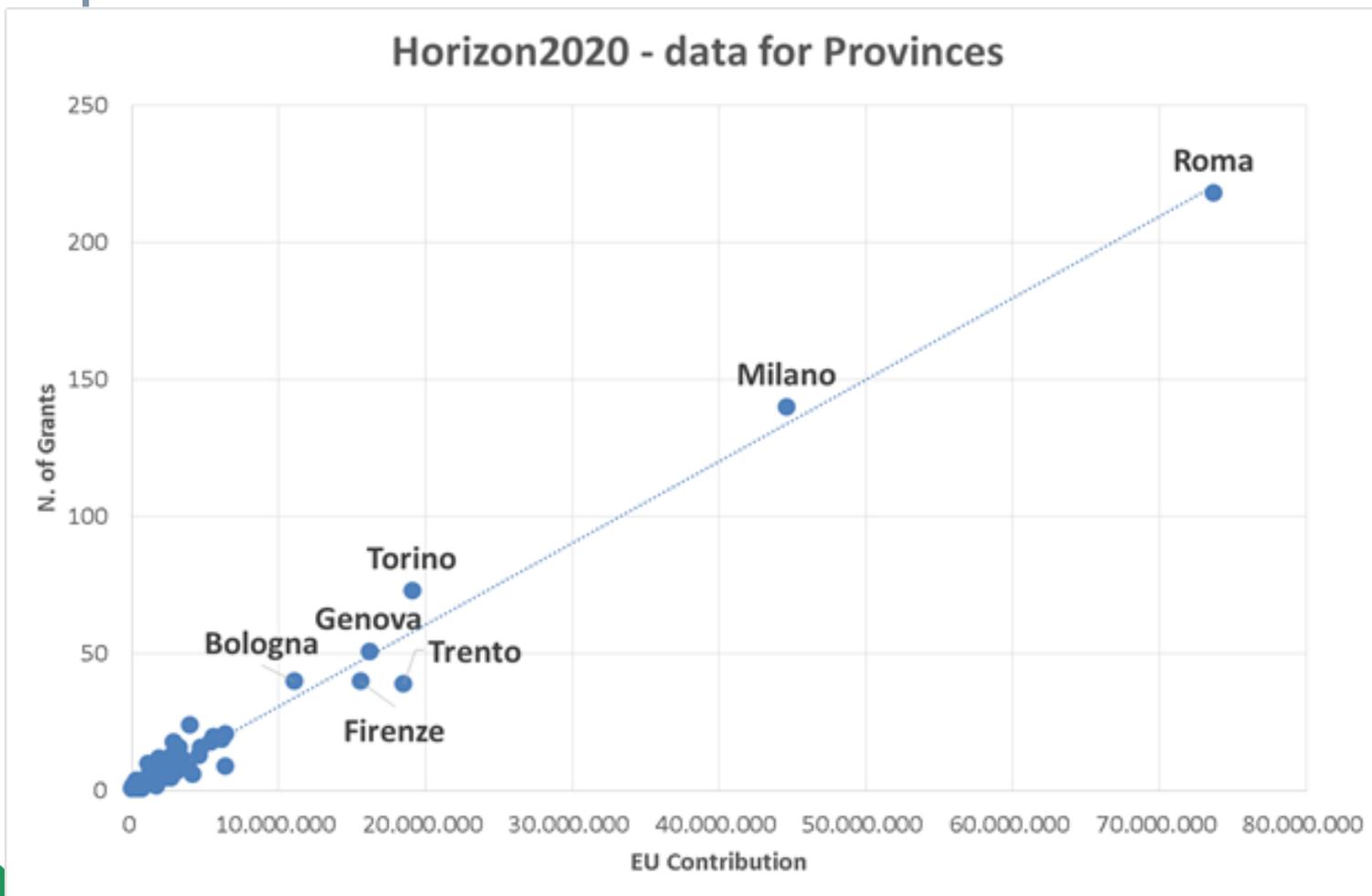
# PRESENTATION OF THE LOW CARBON INVESTMENTS FUNDING REPORT

## Examples of assessment

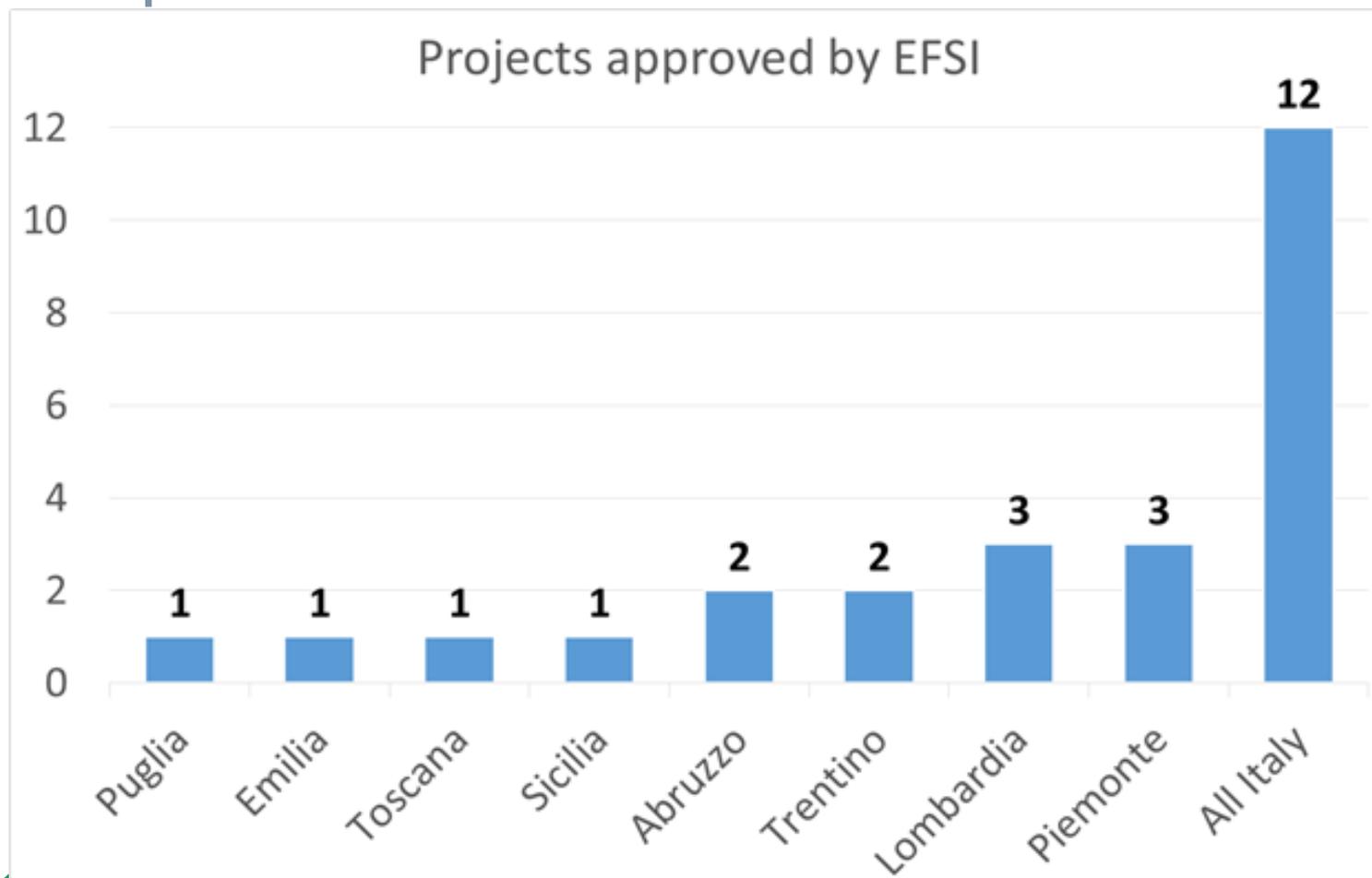


# PRESENTATION OF THE LOW CARBON INVESTMENTS FUNDING REPORT

## Examples of assessment



## Examples of assessment



## Structure and sources of information

At National level, all main incentives schemes have been assessed.

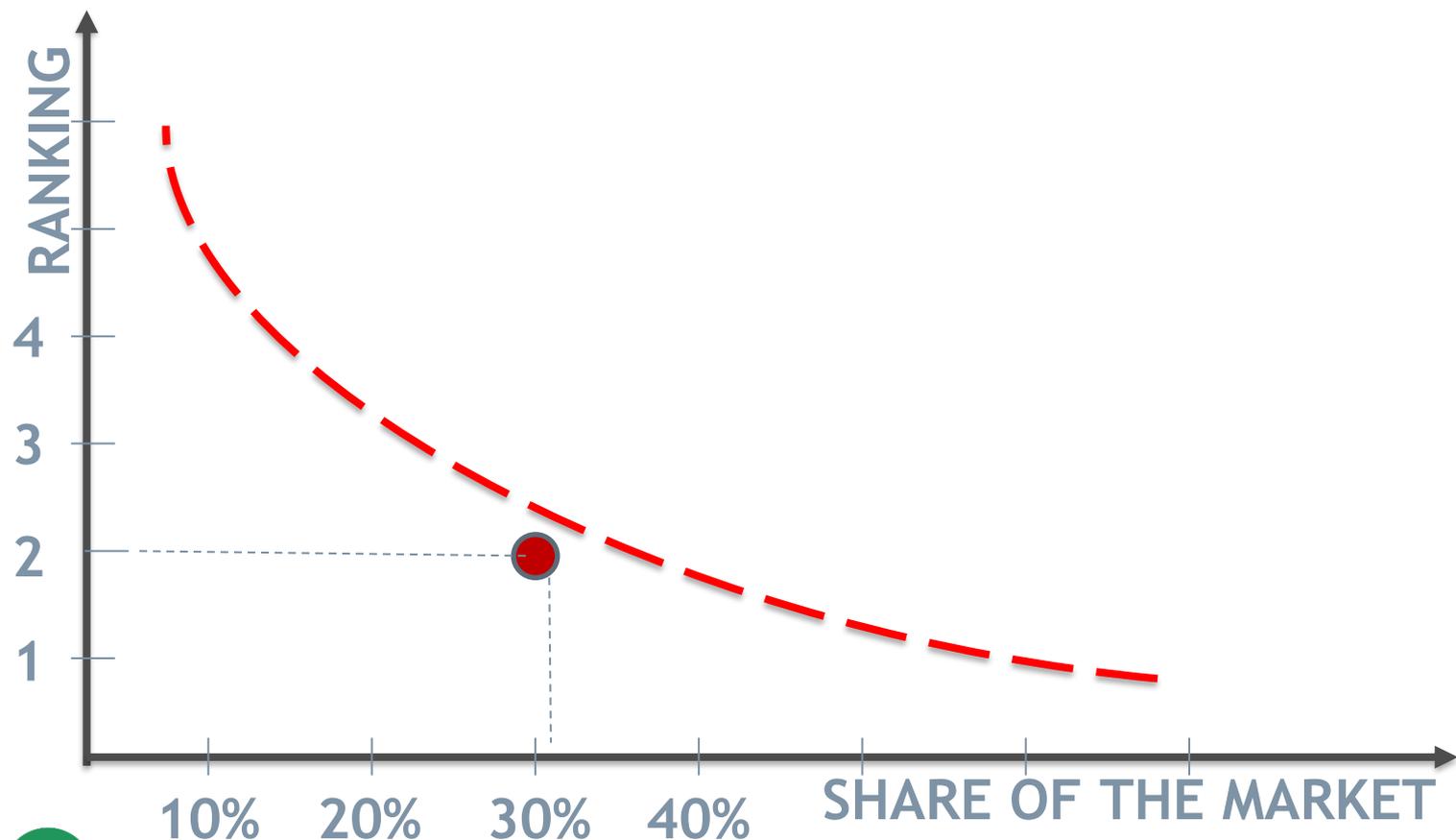
- Deep assessment of 11 schemes managed by GSE
- Deep assessment of 2 tax deduction schemes
- A qualitative analysis for other 2 funds

For Cooperation with private stakeholders, the assessment was focused on EPC projects implementation coordinated by the Piemonte Region itself.



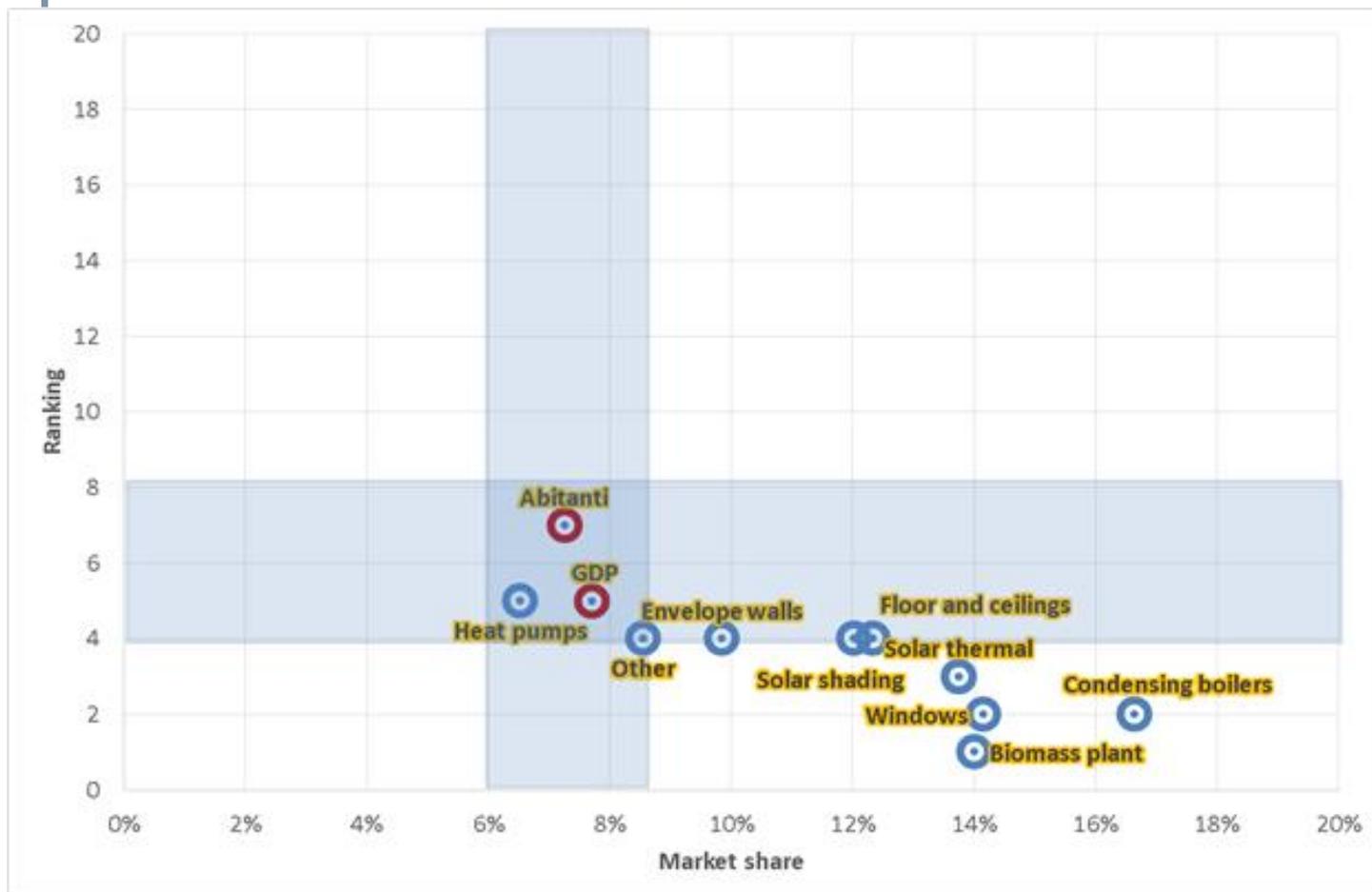
# PRESENTATION OF THE LOW CARBON INVESTMENTS FUNDING REPORT

## Type of assessment



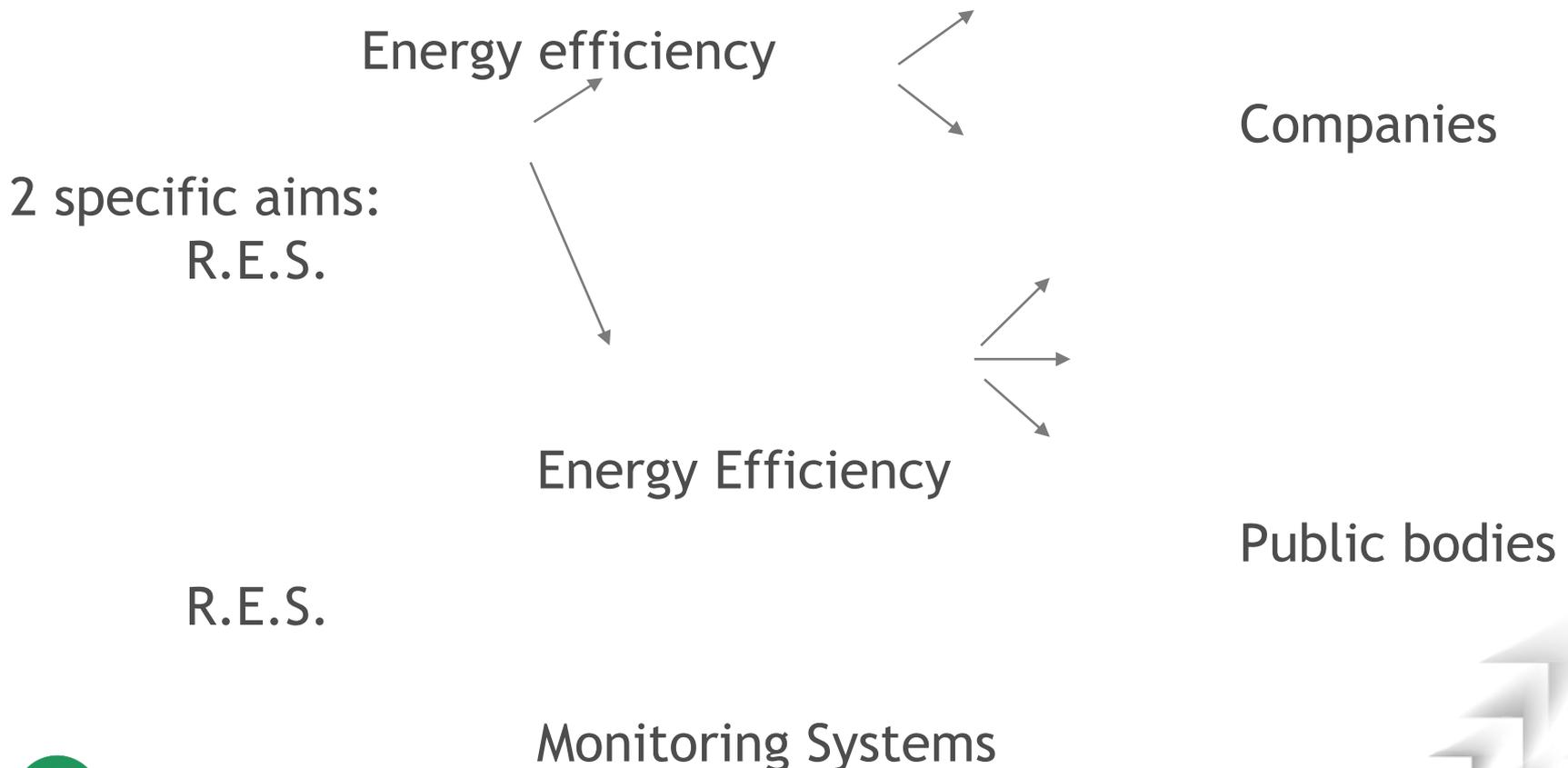
# PRESENTATION OF THE LOW CARBON INVESTMENTS FUNDING REPORT

## Examples of assessment



# PRESENTATION OF THE LOW CARBON INVESTMENTS FUNDING REPORT

## Regional ERDF. Main results



# PRESENTATION OF THE LOW CARBON INVESTMENTS FUNDING REPORT

## Regional ERDF. Main results

### Companies:

Budget allocated: 97 M€

Target indicators at 2023:

number of companies receiving support: the target is estimated to 234 companies;

annual greenhouse gas decrease: the target is estimated to 81.647 kgCO<sub>2</sub>

(other indicators we're monitoring: energy saving [kWh/y])

Investments allowed:

Line 1- Energy efficiency measures:

- a) installation of high-efficiency cogeneration plants (CHP);
- b) increasing energy efficiency in production processes, reducing the energy incidence on the final product, in order to achieve a significant annual primary energy saving;
- c) increasing the energy efficiency of buildings;
- d) punctual replacement of low efficiency systems and components with higher efficiency ones (LED, for example);
- e) installation of new highly efficient production lines.

Line 2 - Installation of R.E.S. for self-consumption.

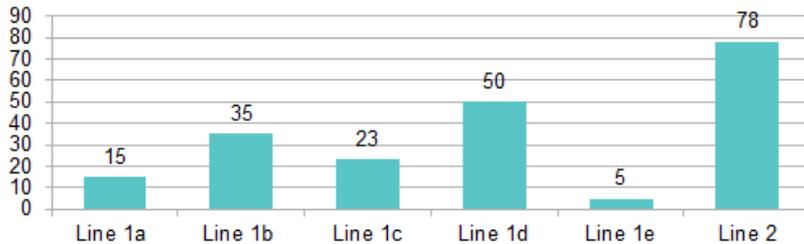


# PRESENTATION OF THE LOW CARBON INVESTMENTS FUNDING REPORT

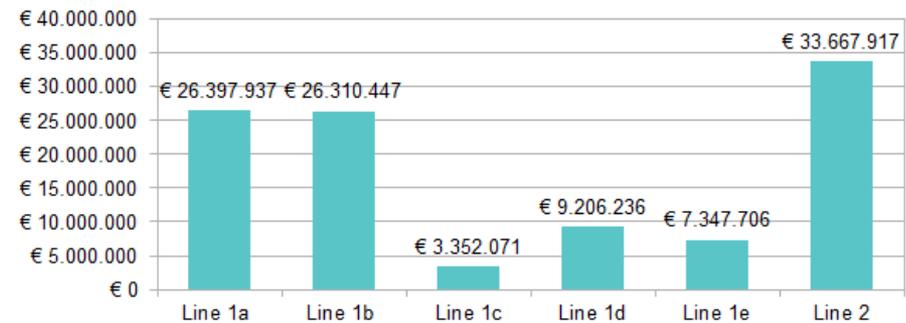
## Regional ERDF. Main results

**Companies:** The installation of CHP represents 8% of the number of projects, while as much as 38% consists in PV installation and 24% of Line 1.d (LED etc.). But the budget absorbed by the CHP is only a little bit lower than by PV panels: the CHP installations are very important in terms of costs (on average 1.6 M € / each), unlike the PV plants (about 220 k € / each, average size equal to about 200 kWp).

Number of investments



Budget granted each type of investments [€]



- Line 1.a) CHP;
- 1.b) energy efficiency in production processes;
- 1.c) energy efficiency of buildings;
- 1.d) punctual replacement (LED, etc.);
- 1.e) new highly efficient production lines.
- Line 2 - R.E.S. for self-consumption.



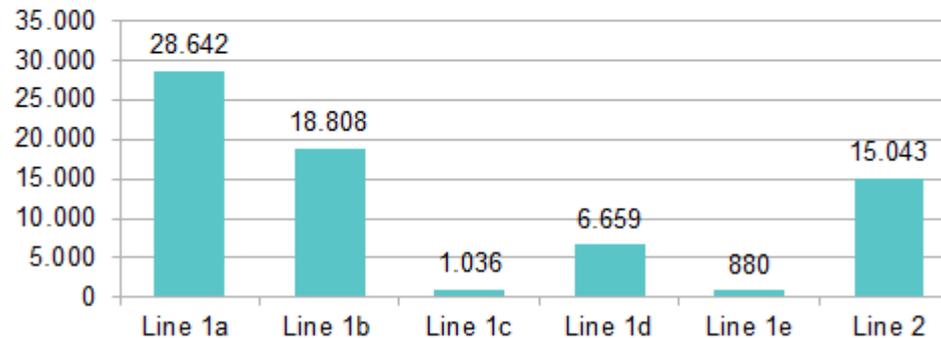
# PRESENTATION OF THE LOW CARBON INVESTMENTS FUNDING REPORT

## Regional ERDF. Main results

**Companies:** Results at the 31th of July 2019 are available as shown in the table below:

Indicators	Results at 31th July '19	Target	Level of achievement
number financed companies	205	234	88%
saved emissions [tonCO2]	71.118	81.647	87%

Greenhouse gases emissions saved [tonCO2]



# PRESENTATION OF THE LOW CARBON INVESTMENTS FUNDING REPORT

## Regional ERDF. Main results

### Public bodies:

Budget allocated: 100 M€, divided into 5 calls (administrative procedures for selection of beneficiaries is still ongoing):

1. Investments in the health-hospital area: 16 M€;
2. Investments on the real estate assets of the Piemonte Region: 4 M€;
3. Investments of local authorities (town councils, metropolitan cities, provinces and unions of towns), allocated resources 24 M€ (>5000 inhabitants) + 20 M€ (<5000);
4. Investments in the field of social housing: 10 M€;
5. Investments to improve the efficiency of the public lighting systems: 20 M€.

Operations allowed: energy refurbishment of public buildings (schools, municipal offices, sports facilities) and lighting systems, with significant reductions in costs and CO2 emissions for the administrations concerned.

Target indicators at 2023::

- additional capacity for renewable energy production: 7.3 MWp;
- reduction of annual primary energy consumption in public buildings: 54.932,7 MWh/y;
- reduction of the annual of greenhouse gases emission : 11.096 tCO2;
- light points subject of the intervention: 3.333 units.
- (other indicators we're monitoring: primary energy saving kWh/y)

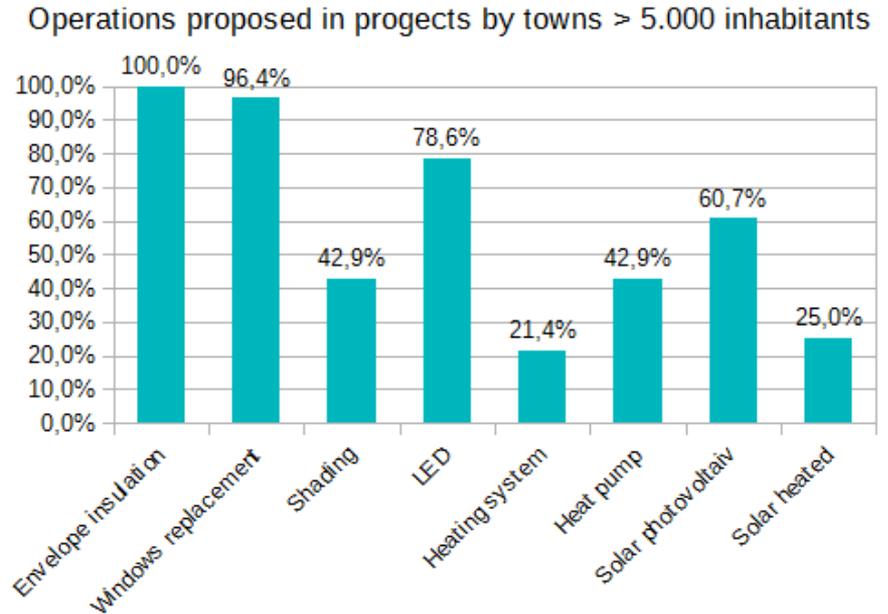
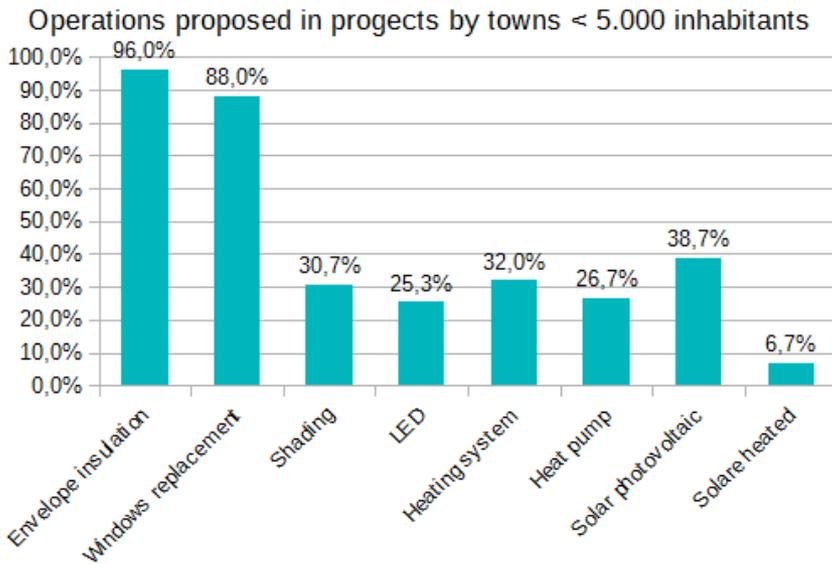


# PRESENTATION OF THE LOW CARBON INVESTMENTS FUNDING REPORT

## Regional ERDF. Main results

**Public bodies:** Available results regard municipalities and lighting infrastructures.

Below are shown few examples of achieved results:

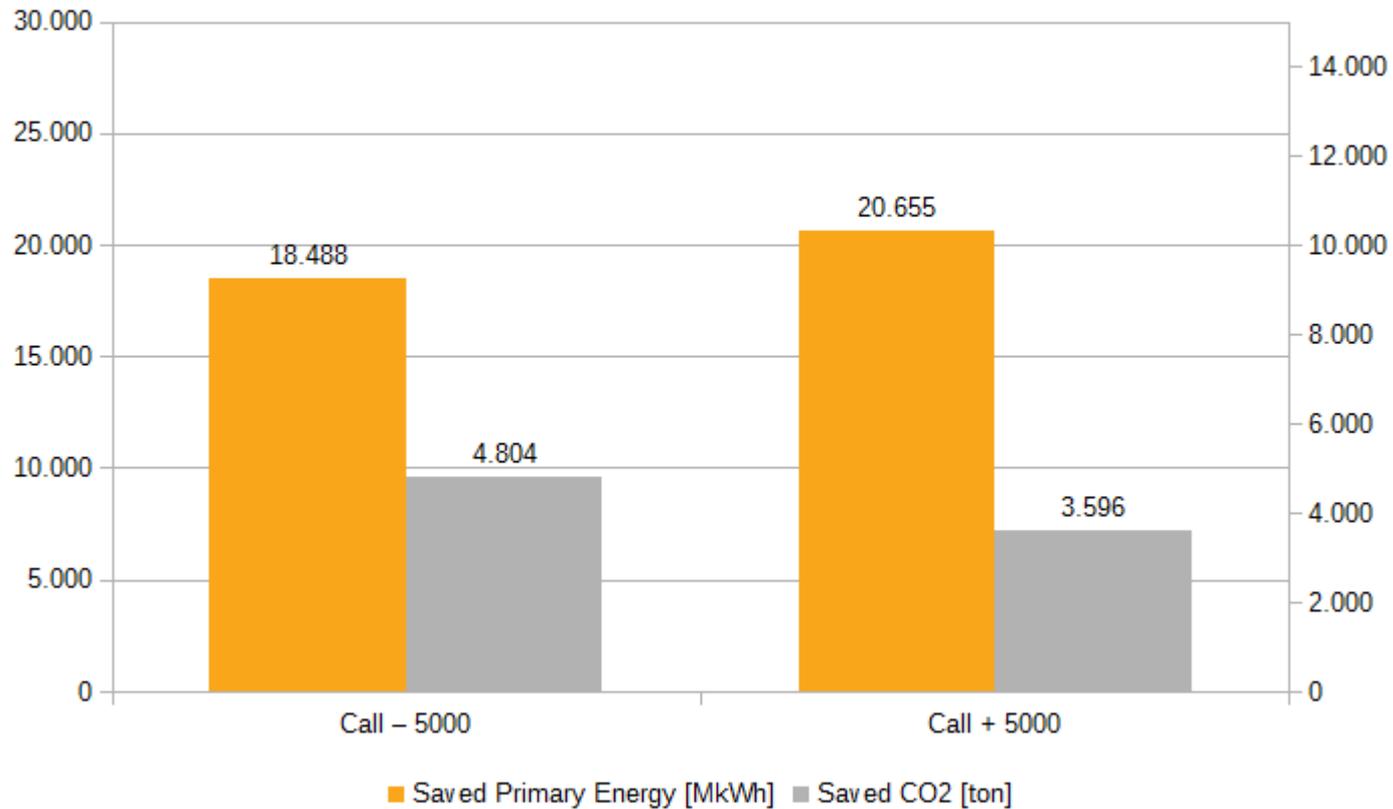


# PRESENTATION OF THE LOW CARBON INVESTMENTS FUNDING REPORT

## Regional ERDF. Main results

**Public bodies:** Comparisons:

Primary Energy and Greenhouse gases emissions saving



# PRESENTATION OF THE LOW CARBON INVESTMENTS FUNDING REPORT

## Regional ERDF. Main results

**Public:** Implementation status at 31th July 2019:

Indicators	Results at 31th July '19	Target	Level of achievement
additional capacity for renewable energy production [MWp]	4,5	7,3	61 %
reduction of annual primary energy consumption in public buildings [MWh/y]	39.143	54.933	71,2 %
reduction of the annual emission of greenhouse gases [tonCO2]	7.599	1.096	68,5 %
number of light points renovated [n]	32.553	3.333	976 %



# PRESENTATION OF THE LOW CARBON INVESTMENTS FUNDING REPORT

Thank you for your attention!

