The EurObserv’ER barometer

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Data comparison between Eurostat and EurObserv’ER

Février 2020

Comparison EurObserv'ER /Eurostat

The purpose of this work is to compare two kinds of surveys:

- Eurostat statistics: aggregated data from national statistical offices

- EurObserv'ER indicators: very reactive survey of the most updated trends in RES sectors

2 thematic are covered :

- Data about RES capacity installed

- Data about RES energy generated

This comparison was carried out in February 2020 for the energy production indicators and the capacity indicators. The following slides compare the most updated figures provided by Eurostat on RES at that time (for year 2018) and the data for the same year published in 2020 by EurObserv'ER (on thematic and overview barometers).

Comparison EurObserv'ER indicators/Eurostat statistics

For electricity production: below a discrepancy of 5 % (for capacity installed and electricity generated), accuracy will be considered high.

For heat and primary energy production: below a discrepancy of 5 % (for capacity installed and/or energy generated), accuracy will be considered high.

All the indicators monitored in this report are under the above mentioned threshold.

Some figures in Eurobserv'ER barometers come from SHARES. Therefore, there is no need for comparison. These figures are : small hydropower capacity, share of RES in gross final energy consumption, share of RES-E in gross electricity consumption.

Comparison EurObserv'ER indicators/Eurostat statistics

Capacity installed

- Solar thermal
- Windpower
- PV
- CSP
- Marine energy

Comparison EurObserv'ER indicators/Eurostat statistics

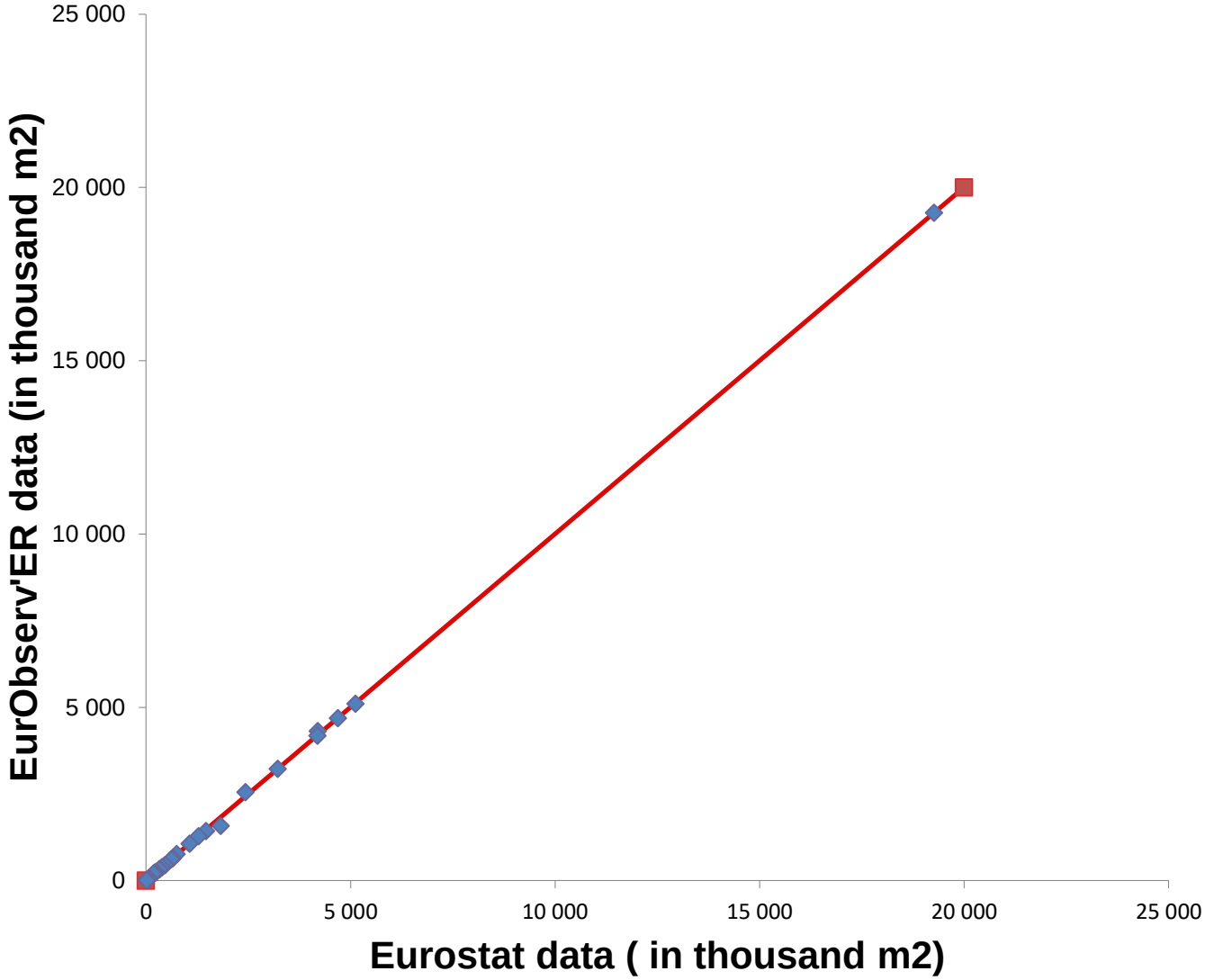
Installed solar thermal capacity (thousand m²) in 2018

	Eurostat	Eurobserv'ER
EU 28	53 485	53 454
EU 15	47 621	47 431
EU 13	5 863	6 022

< 0,1 %

Details of the comparison

Installed solar thermal capacity



Comparison EurObserv'ER indicators/Eurostat statistics

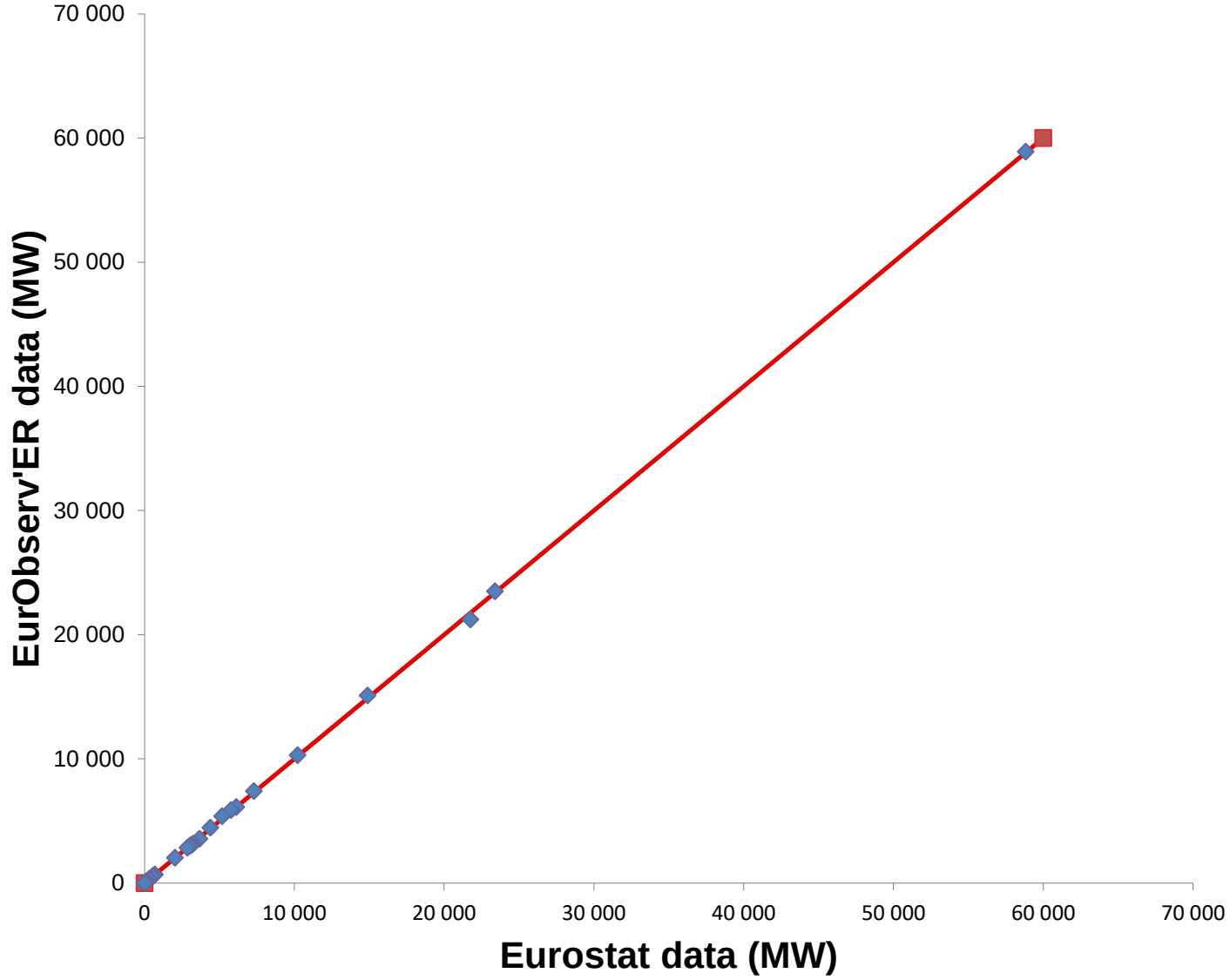
Installed windpower capacity (MW) in 2018

	Eurostat	Eurobserv'ER
EU 28	179 062	179 127
EU 15	167 249	167 244
EU 13	11 816	11 883

< 0,1 %

Details of the comparison

Installed windpower capacity



Comparison EurObserv'ER indicators/Eurostat statistics

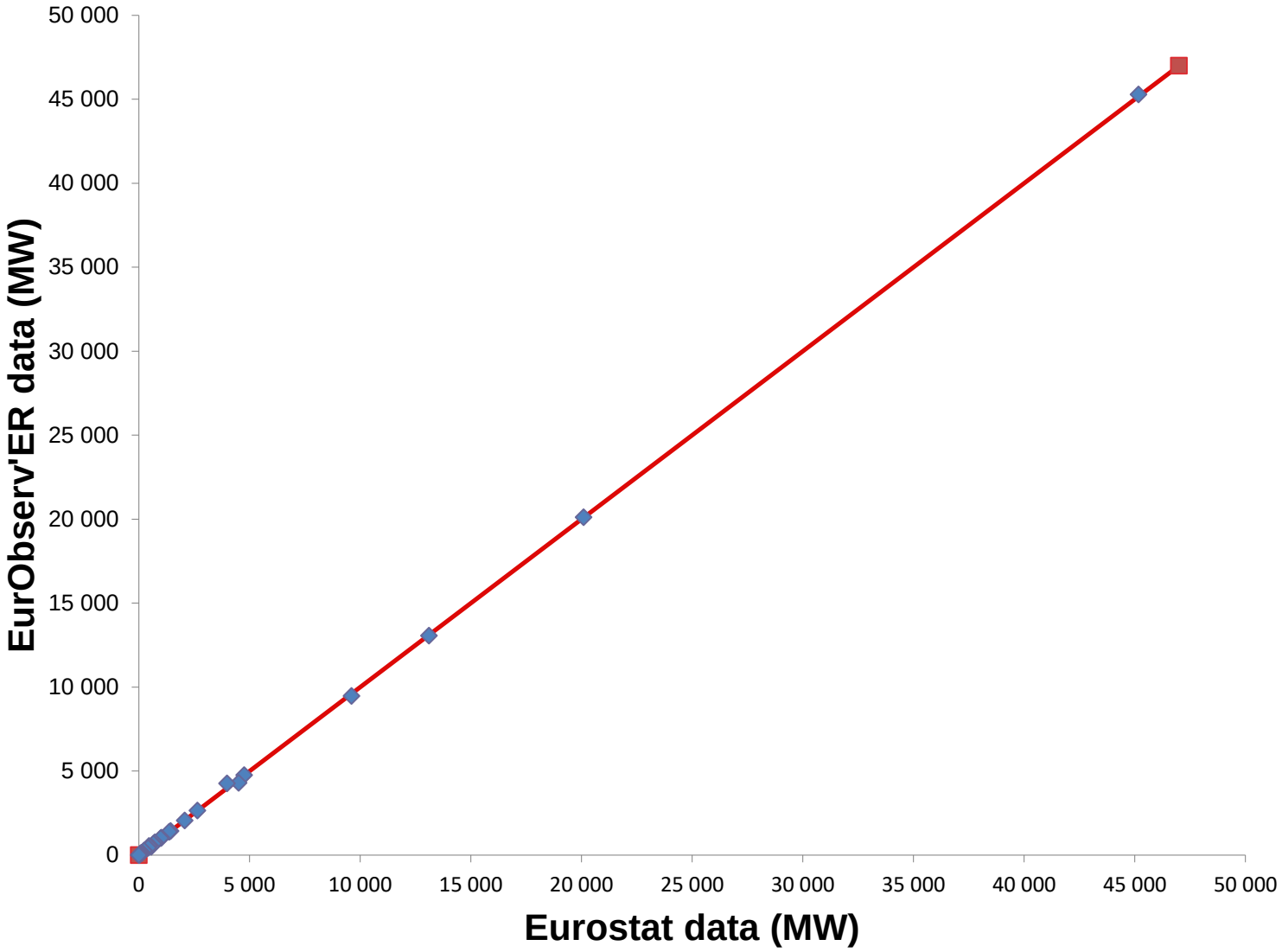
Installed PV capacity (MW) in 2018

	Eurostat	Eurobserv'ER
EU 28	114 705	114 549
EU 15	107 771	107 679
EU 13	6 934	6 870

< 0,1 %

Details of the comparison

Installed PV capacity



Comparison EurObserv'ER indicators/Eurostat statistics

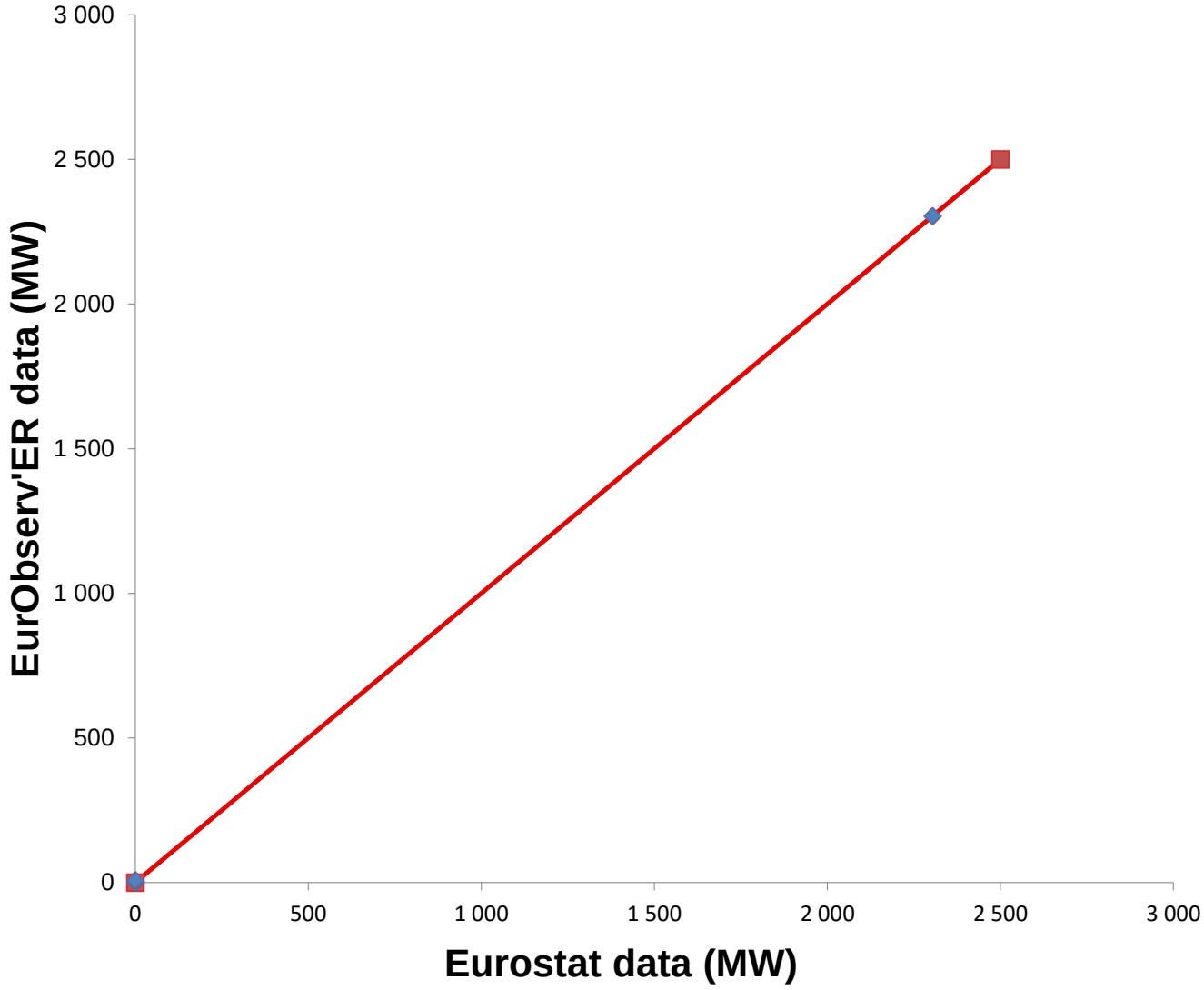
Installed concentrated solar power capacity (MW) in 2018

	Eurostat	Eurobserv'ER
EU 28	2 306	2 314
EU 15	2 306	2 314
EU 13	0	0

< 0,1 %

Details of the comparison

Installed CSP capacity



Comparison EurObserv'ER indicators/Eurostat statistics

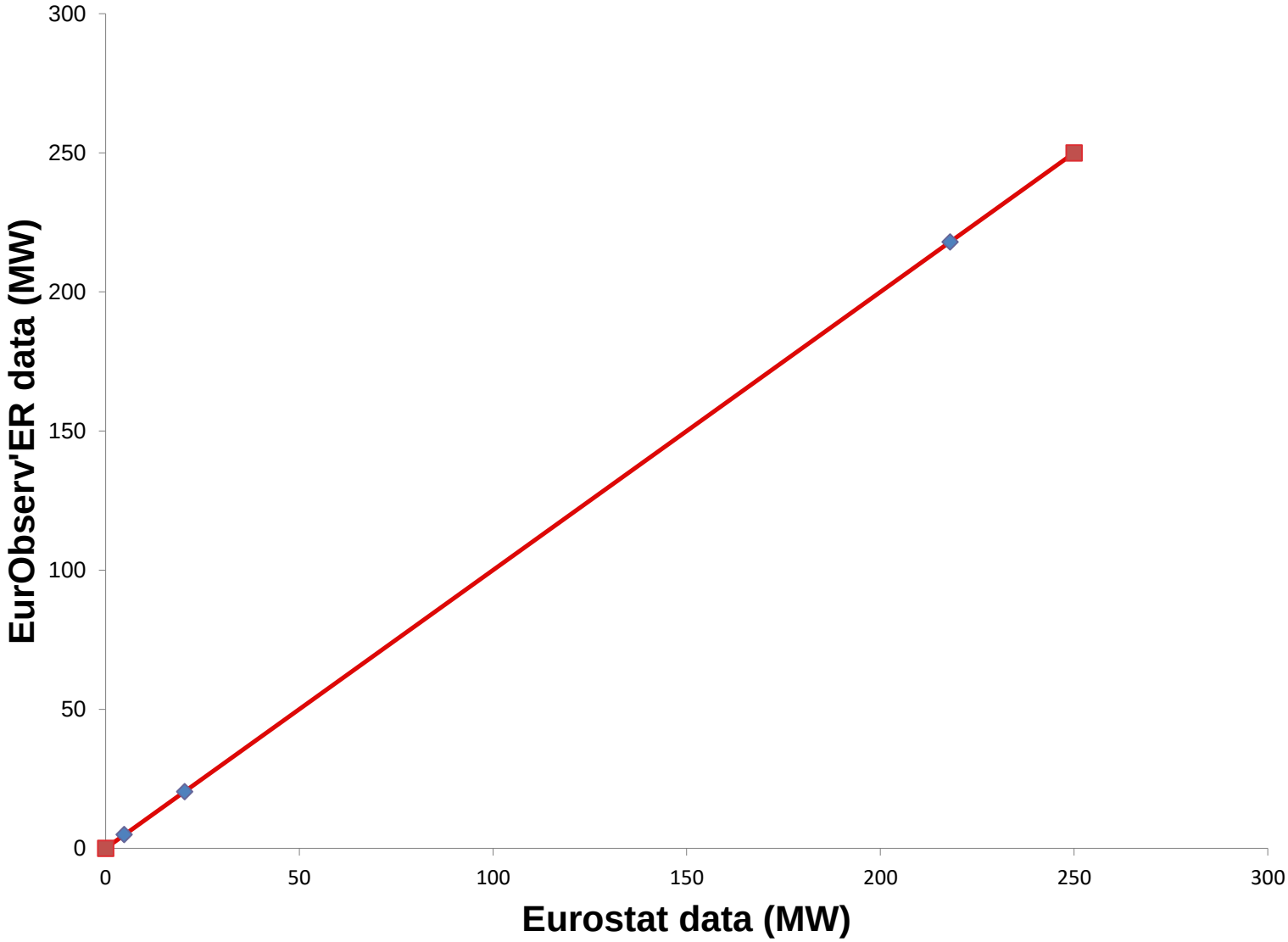
Installed marine power capacity (MW) in 2018

	Eurostat	Eurobserv'ER
EU 28	243	243
EU 15	243	243
EU 13	0	0

0 %

Details of the comparison

Installed marine power capacity



Energy production

- Primary energy from solid biomass
- Biofuels consumption for roads
- Electricity generation from PV
- Electricity generation from windpower
- Electricity generation from marine power

Comparison EurObserv'ER indicators/Eurostat statistics

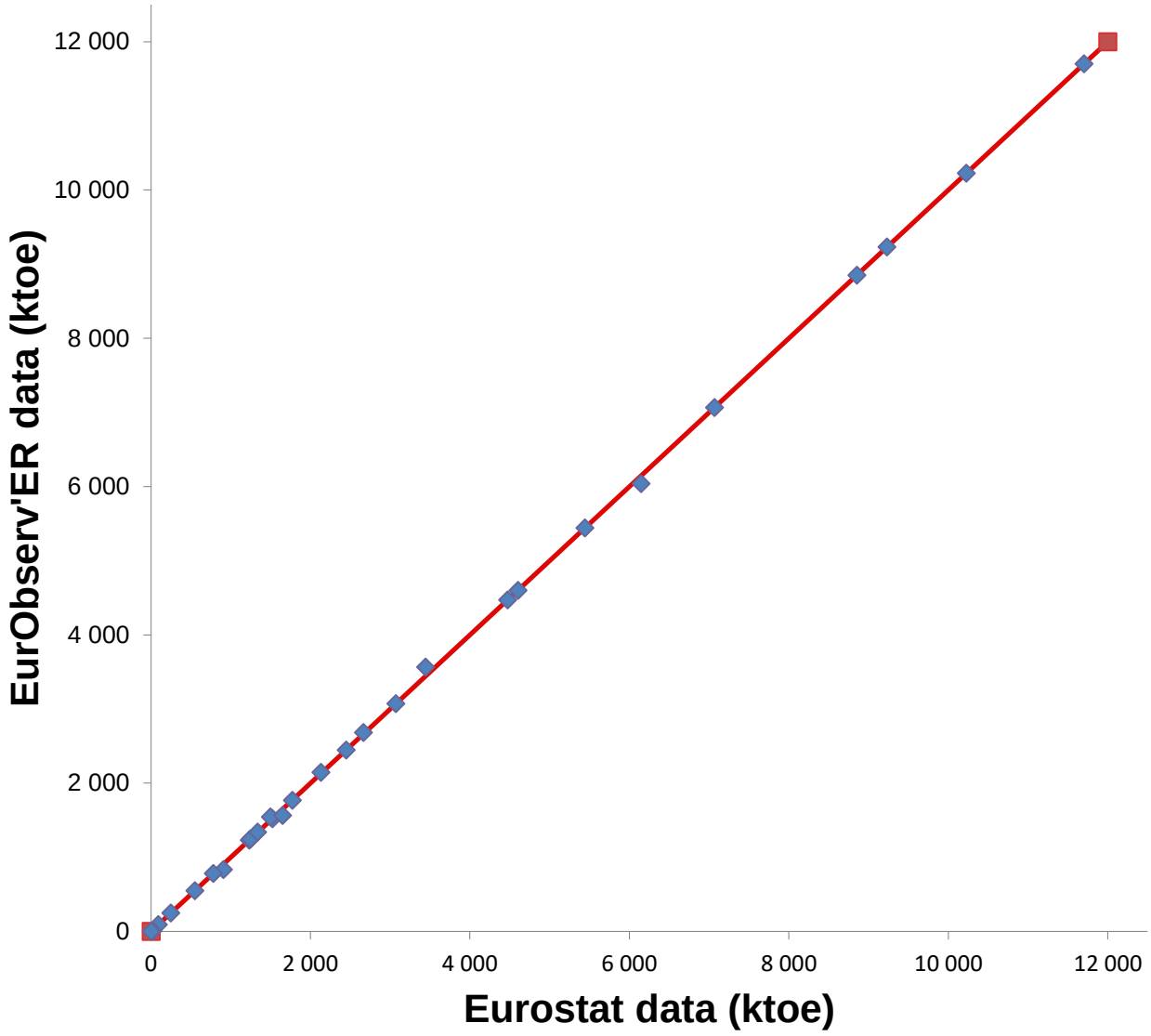
Primary energy production from solid biomass (ktoe) in 2018

	Eurostat	Eurobserv'ER
EU 28	94 353	94 270
EU 15	69 717	69 734
EU 13	24 636	24 536

< 0,1 %

Details of the comparison

Primary energy production from solid biomass



Comparison EurObserv'ER indicators/Eurostat statistics

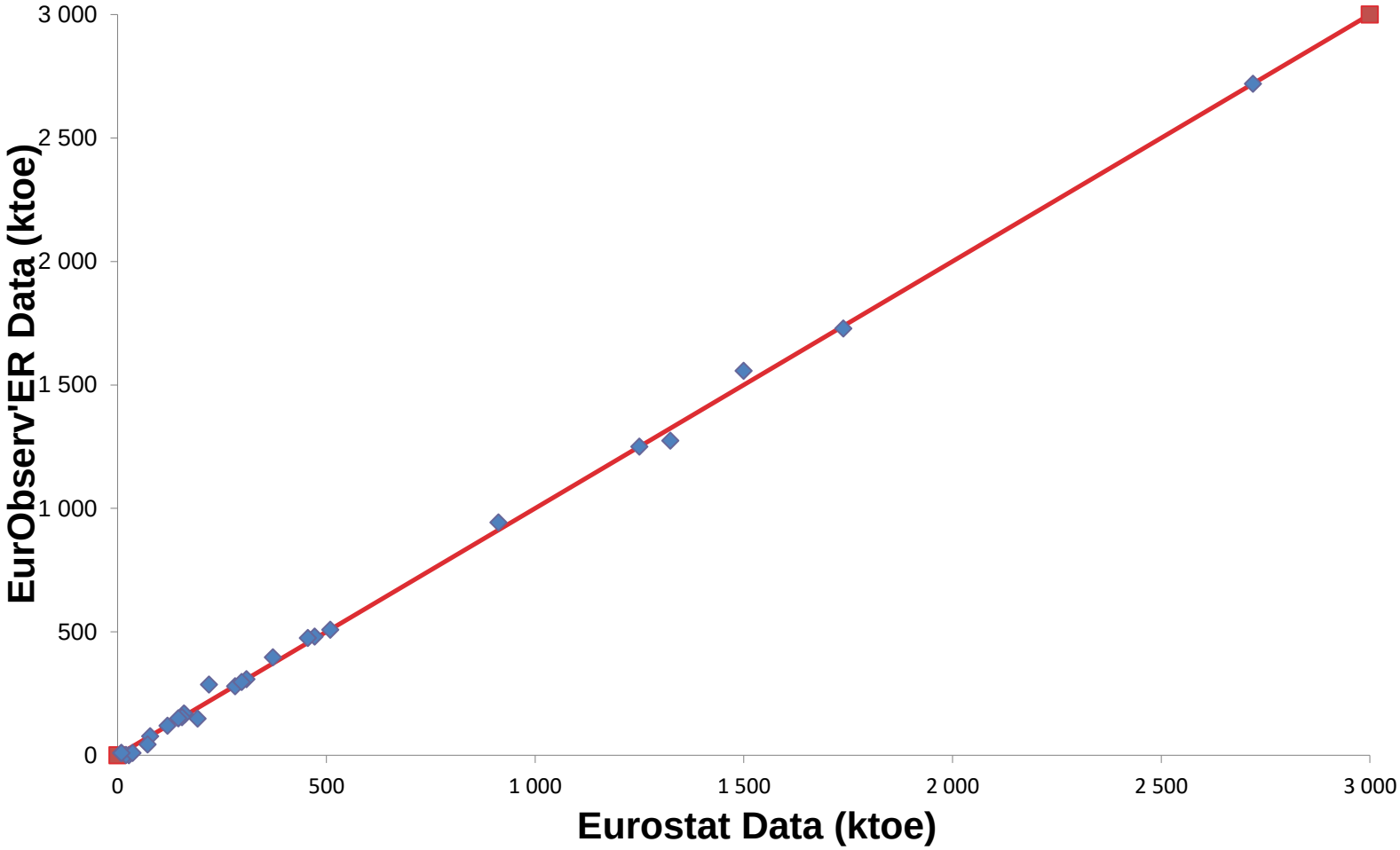
Biofuels used for road consumption (ktoe) in 2018

	Eurostat	Eurobserv'ER
EU 28	16 685	16 959
EU 15	14 417	14 796
EU 13	2 268	2 163

< 0,1 %

Details of the comparison

Biofuels consumption



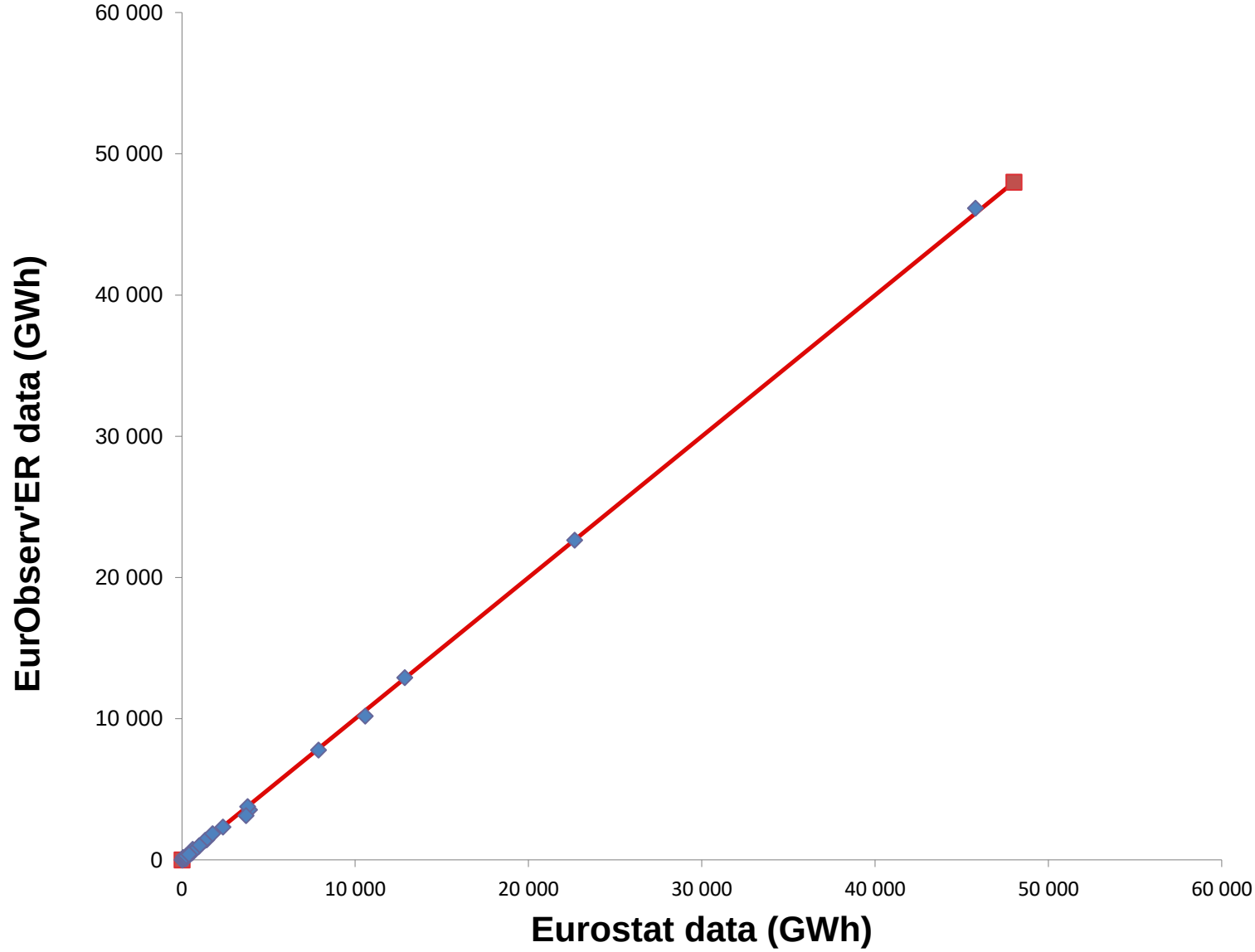
Comparison EurObserv'ER indicators/Eurostat statistics

Electricity generation from PV (GWh) in 2018

	Eurostat	Eurobserv'ER	
EU 28	122 972	122 316	**0,5 %**
EU 15	115 157	114 325	
EU 13	7 816	7 992	

Details of the comparison

Electricity generation from PV



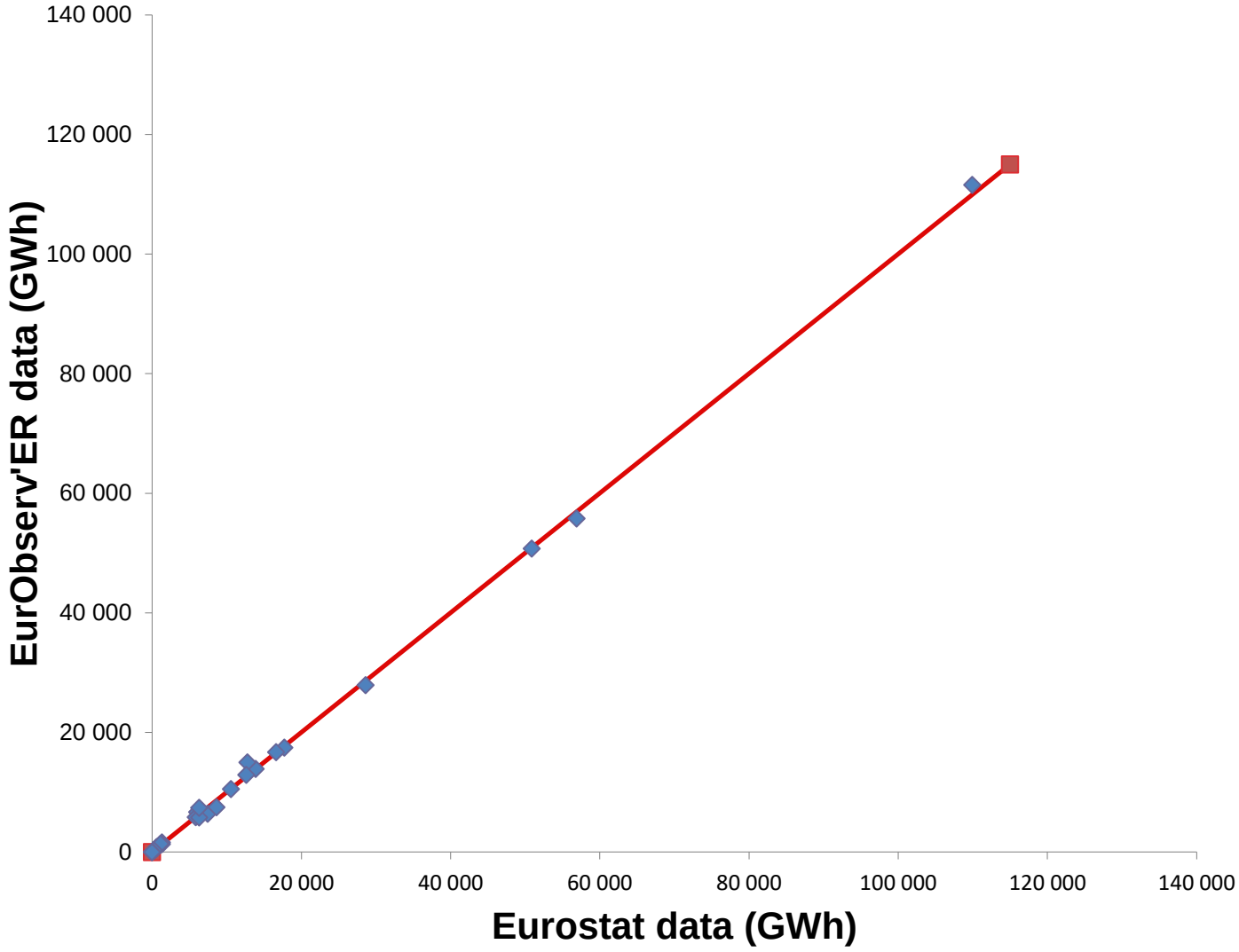
Comparison EurObserv'ER indicators/Eurostat statistics

Electricity generation from windpower (GWh) in 2018

	Eurostat	Eurobserv'ER	
EU 28	377 423	379 550	0,5 %
EU 15	186 279	350 208	
EU 13	115 591	29 341	

Details of the comparison

Electricity generation from windpower



Comparison EurObserv'ER indicators/Eurostat statistics

Electricity generation from marine power (GWh) in 2018

	Eurostat	Eurobserv'ER	
EU 28	480	480	**0 %**
EU 15	480	480	
EU 13	0	0	

Details of the comparison

Electricity generation from marine power