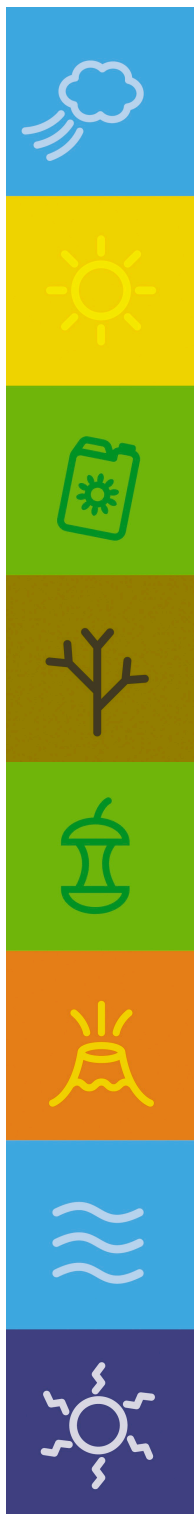


The EurObserv'ER barometer

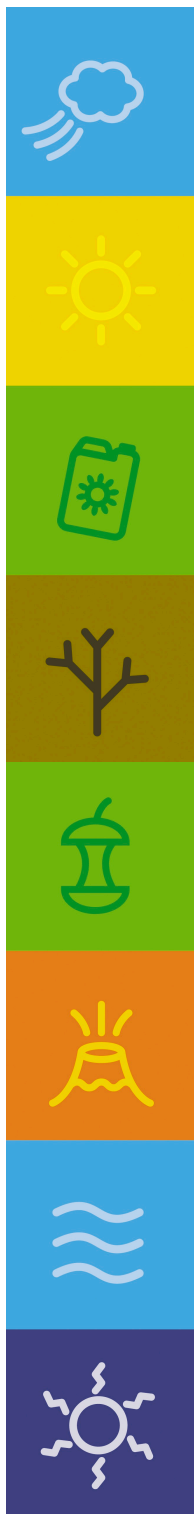
Contract ENER/2020/OP/0008 - ENER/C1/2020-439/SI2.850070

Project funded by the
European Union



Data comparison between Eurostat and EurObserv'ER

February 2023



Comparison EurObserv'ER / Eurostat

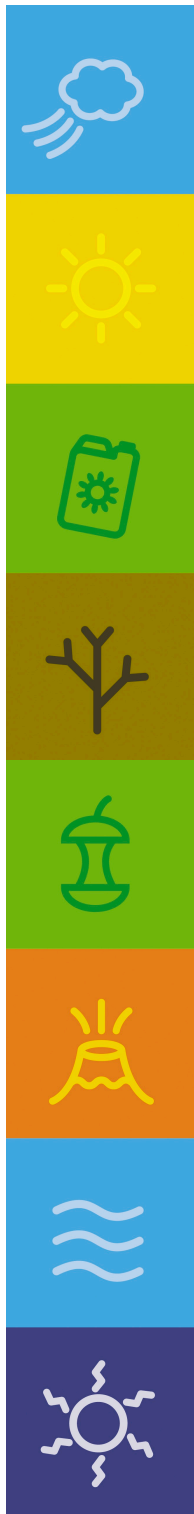
The purpose of this work is to compare two kinds of surveys:

- Eurostat statistics: aggregated data from national statistical offices
- EurObserv'ER indicators: very reactive survey of the most updated trends in RES sectors

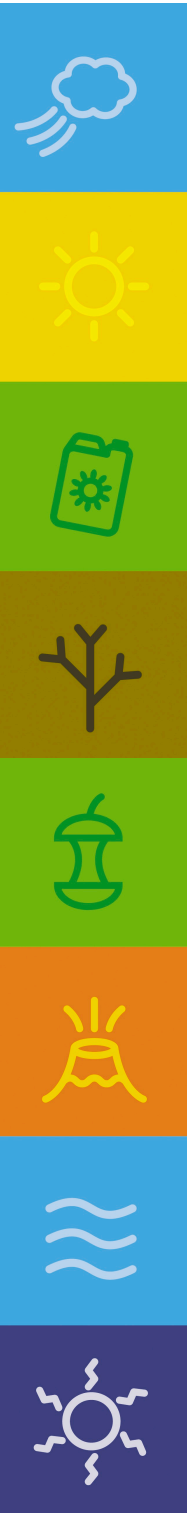
2 thematic are covered :

- Data about RES capacity installed
- Data about RES energy generated

This comparison was carried out in February 2023 for the energy production indicators and the capacity indicators. The following slides compare the most updated figures provided by Eurostat and Shares on RES at that time (for year 2021) and the data for the same year published in 2022 by EurObserv'ER (on thematic barometers).



Comparison EurObserv'ER / Eurostat



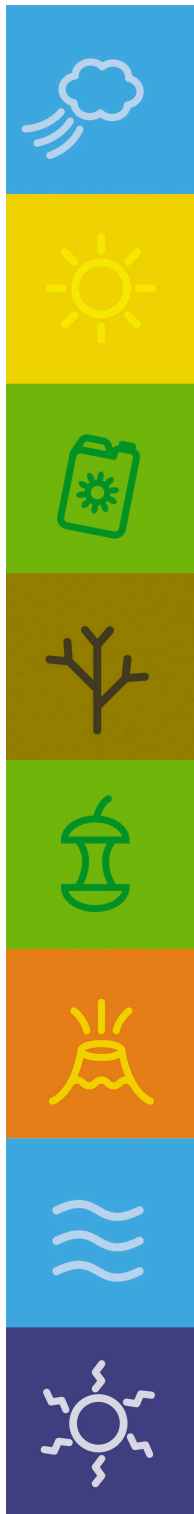
For electricity production: below a discrepancy of 5 % (for capacity installed and electricity generated), accuracy will be considered high.

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.

Capacity installed and energy production

- **Windpower**
- **PV**
- **Ocean energy**



Comparison EurObserv'ER / Eurostat

Installed windpower capacity (MW) in 2021

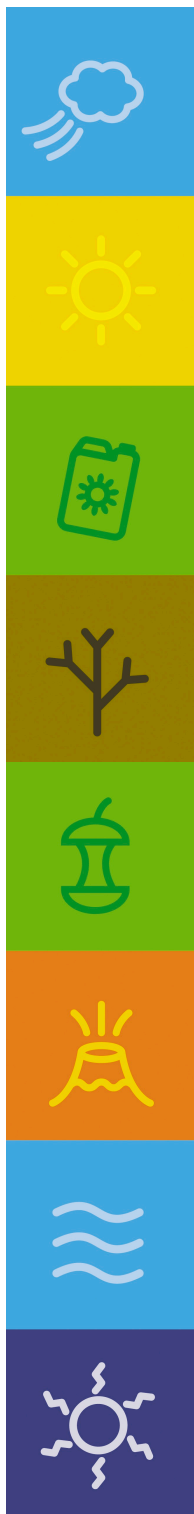
	Eurostat	Eurobserv'ER
EU 27	188 371	187 781

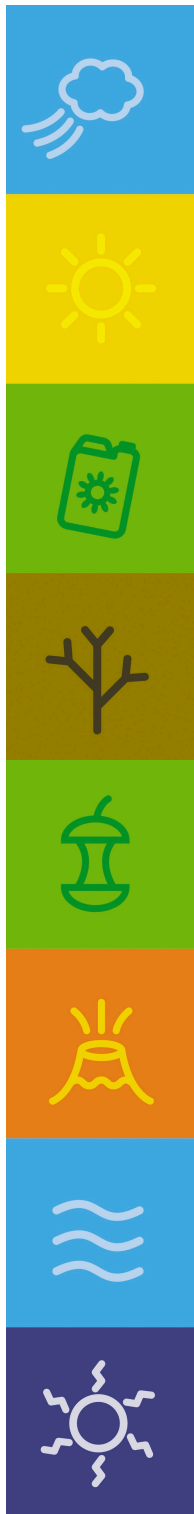
< 0,4 %

Electricity generation from windpower (GWh) in 2021

	Eurostat	Eurobserv'ER
EU 27	386 866	384 899

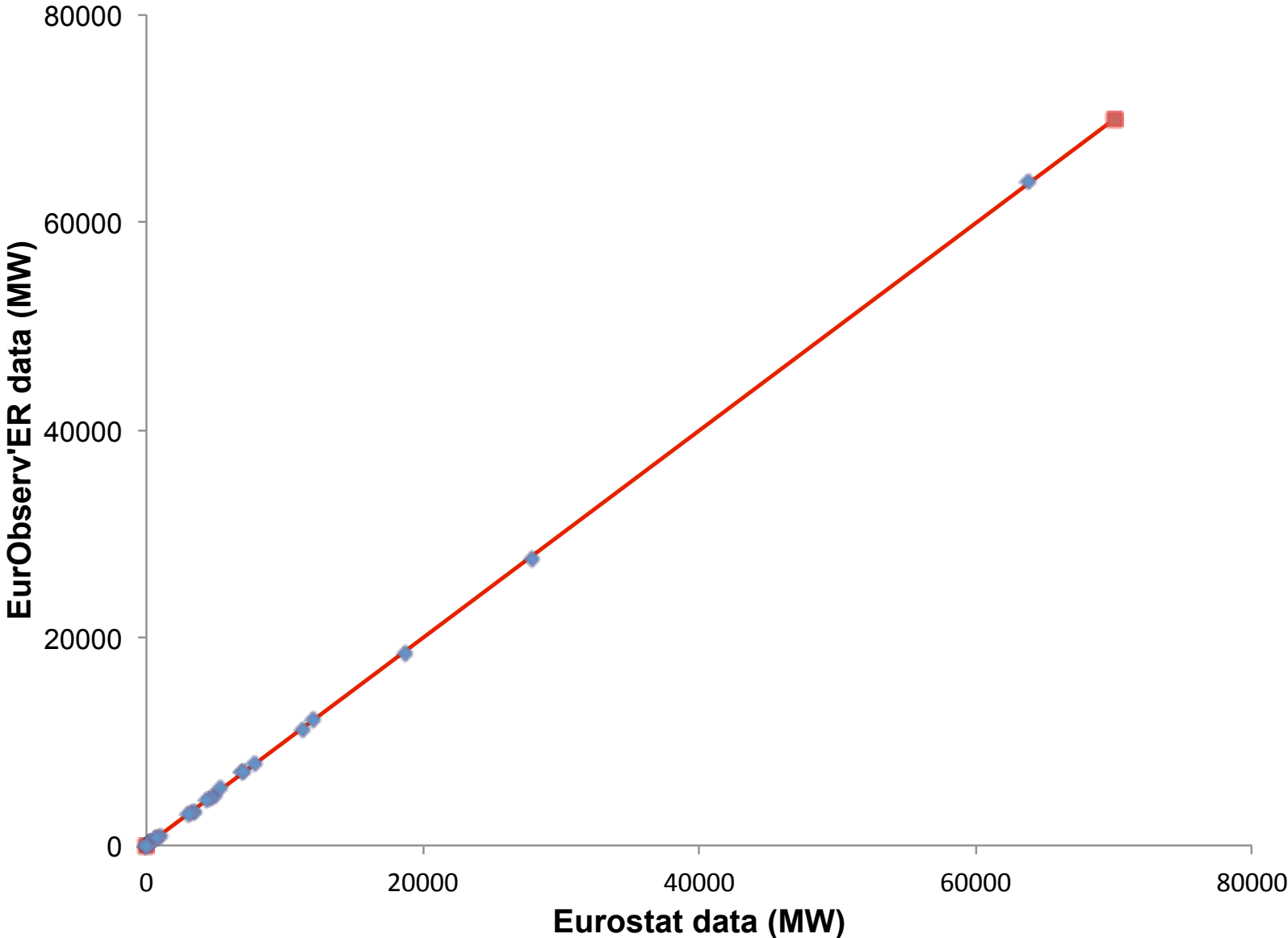
< 0,6 %

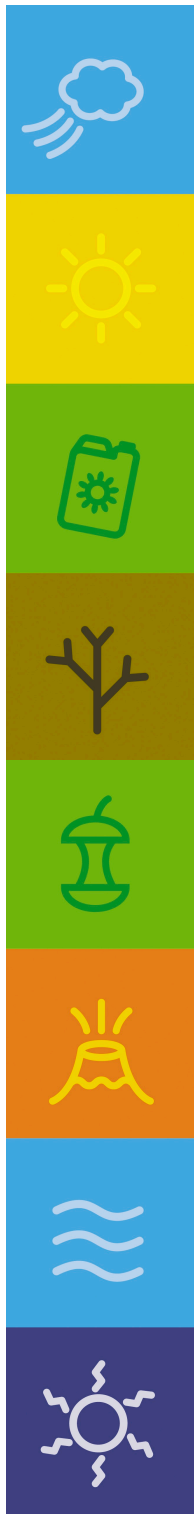




Details of the comparison

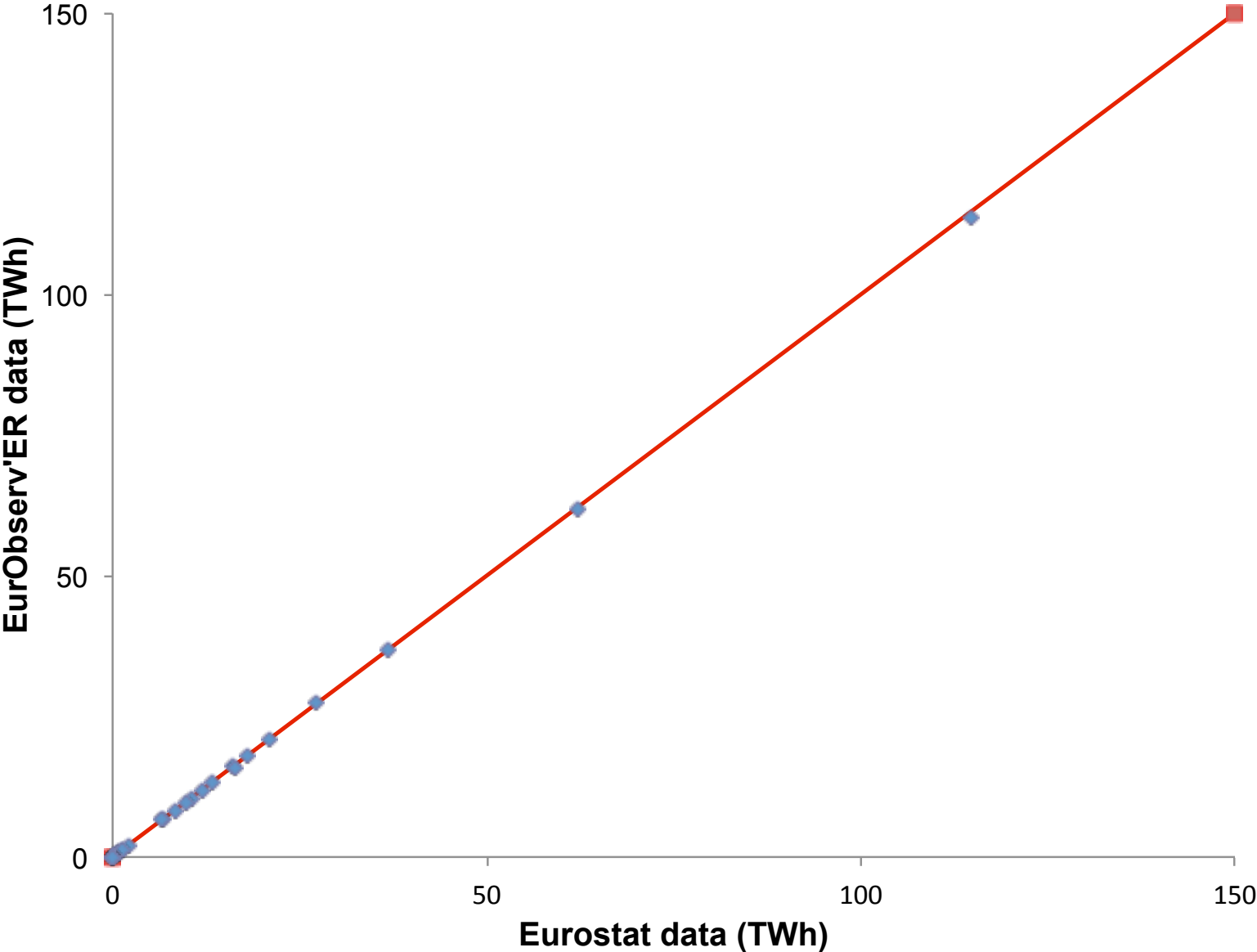
Installed windpower capacity





Details of the comparison

Electricity generation from windpower



Comparison EurObserv'ER / Eurostat

Installed PV capacity (MW) in 2021

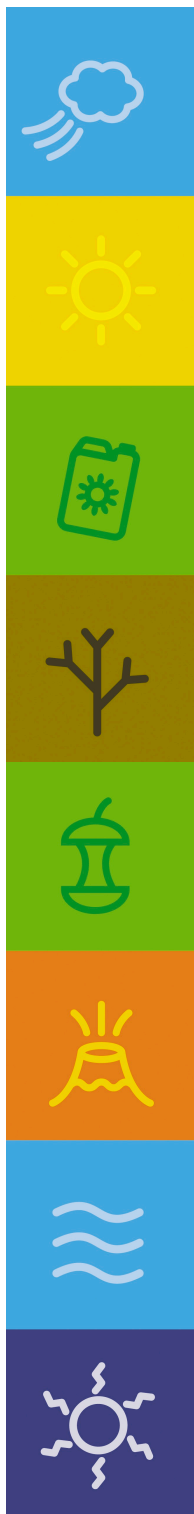
	Eurostat	Eurobserv'ER
EU 27	161 879	158 911

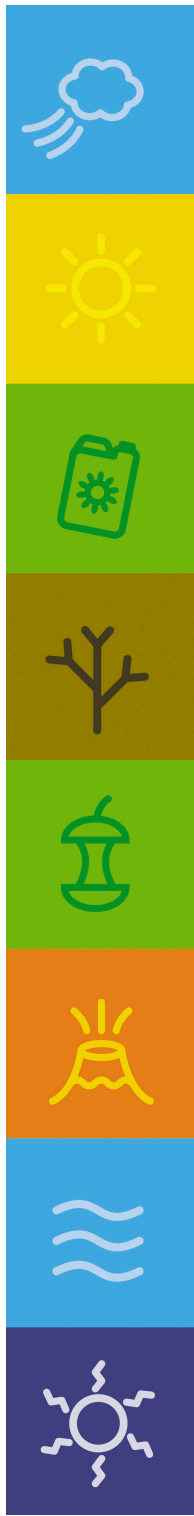
< 1,9 %

Electricity generation from PV (GWh) in 2021

	Eurostat	Eurobserv'ER
EU 27	158 588	157 510

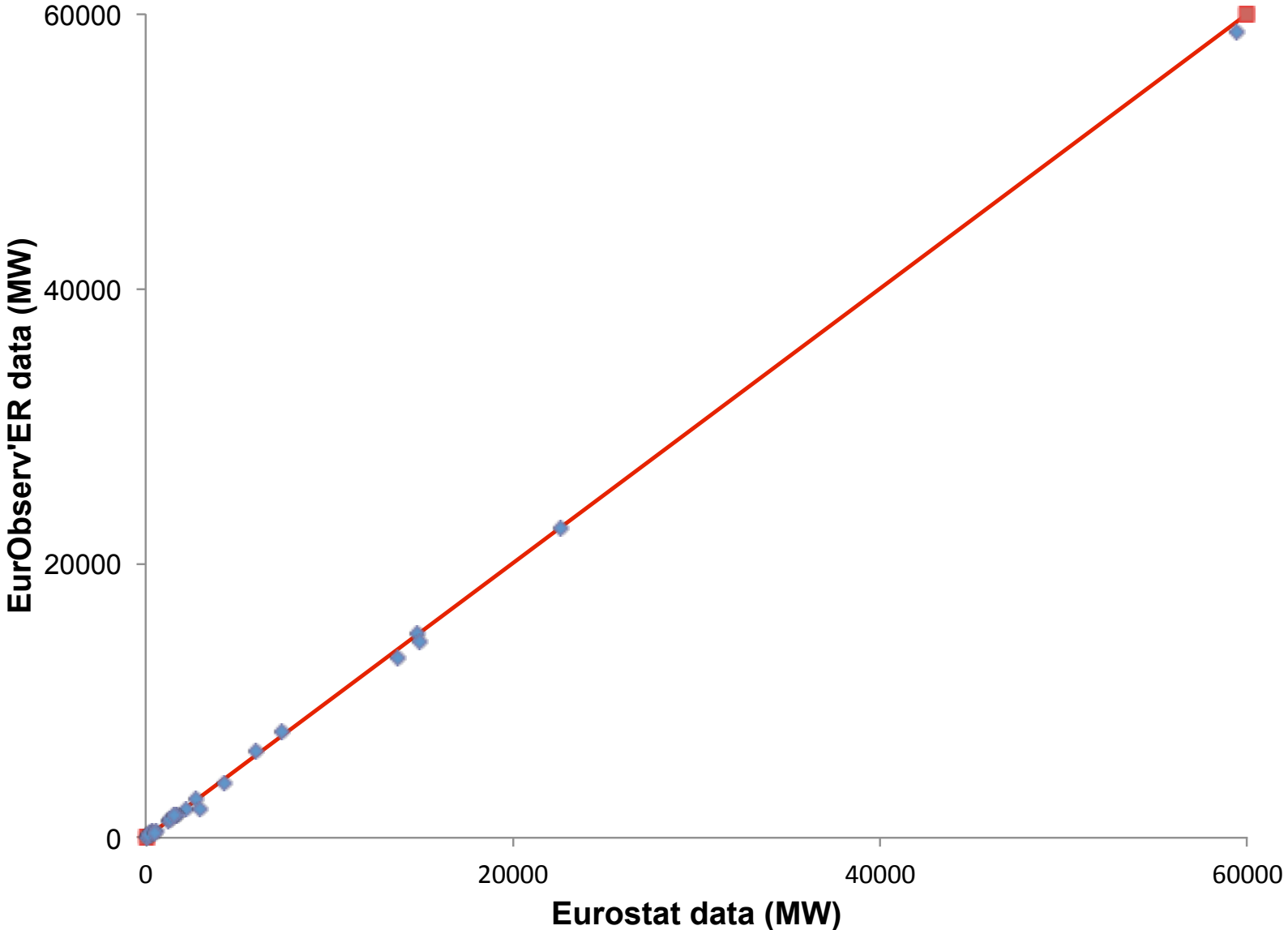
< 0,7 %





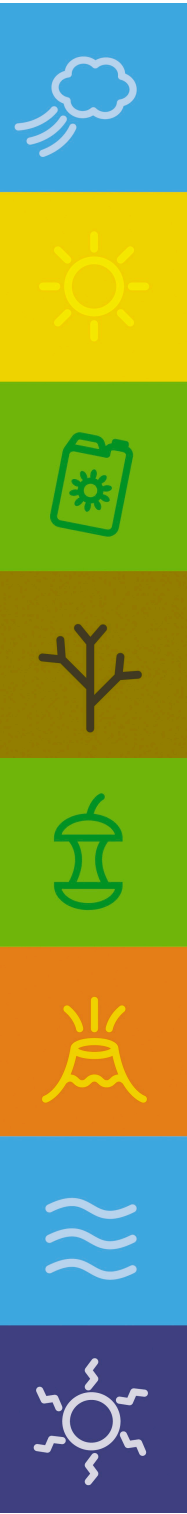
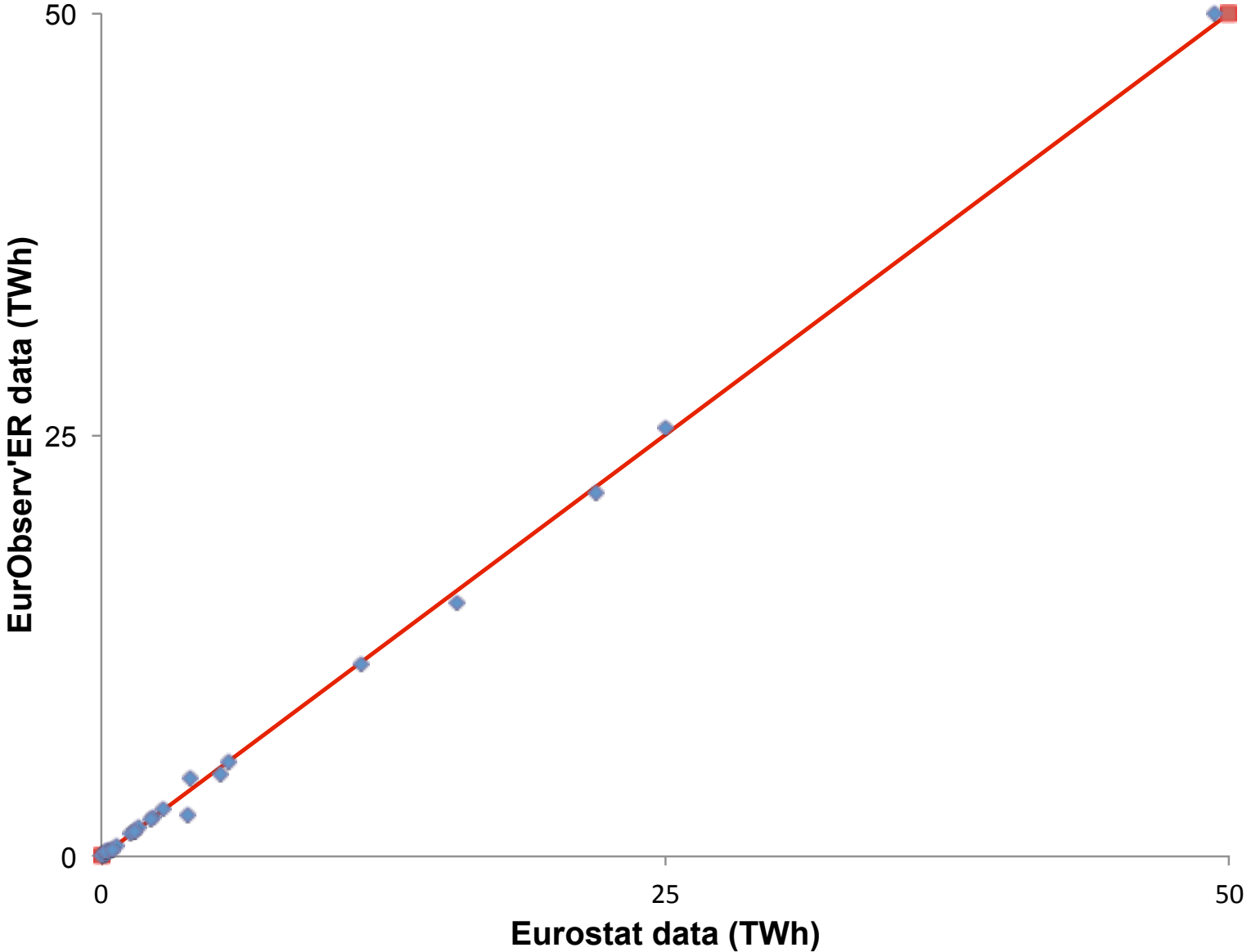
Details of the comparison

Installed PV capacity



Details of the comparison

Electricity generation from PV



Comparison EurObserv'ER / Eurostat

Installed ocean power capacity (MW) in 2021

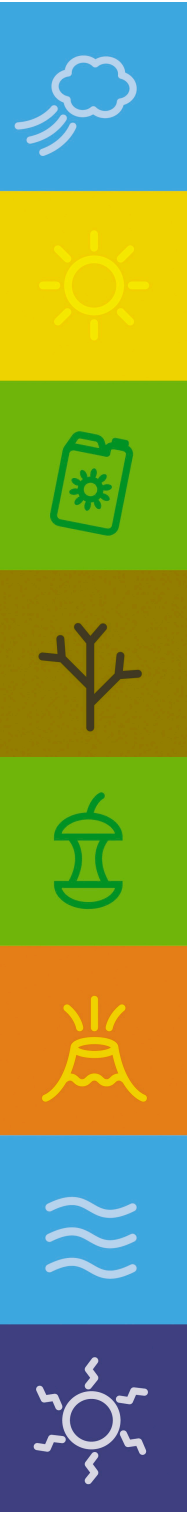
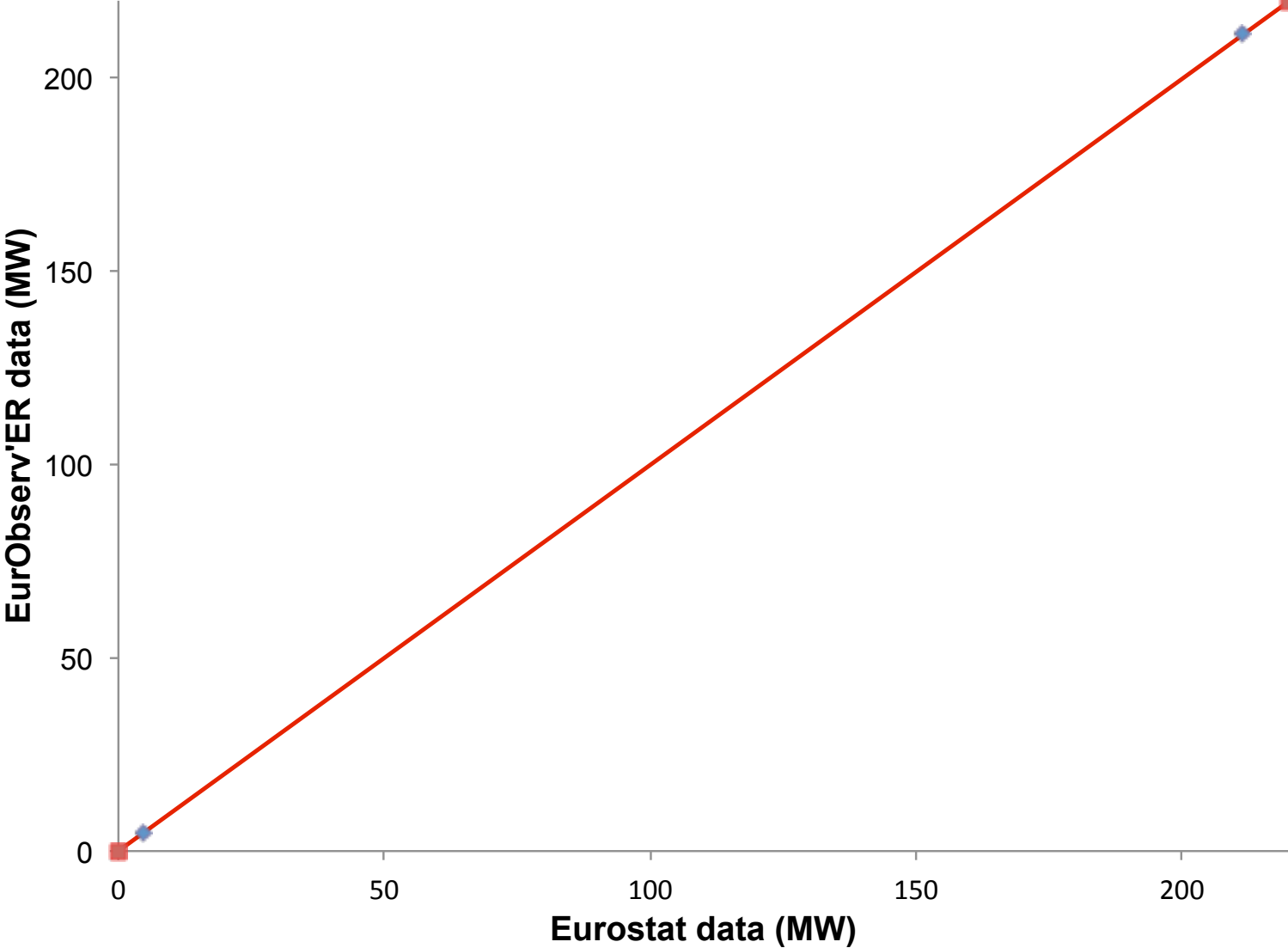
	Eurostat	Eurobserv'ER
EU 27	216	216,2

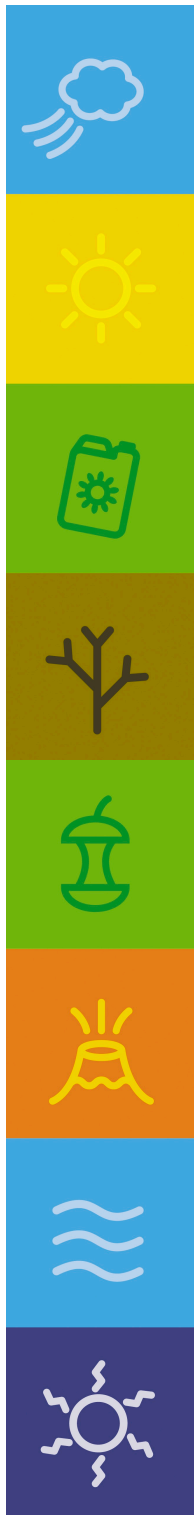
Electricity generation from ocean power (GWh) in 2021

	Eurostat	Eurobserv'ER
EU 27	502,8	502,8

Details of the comparison

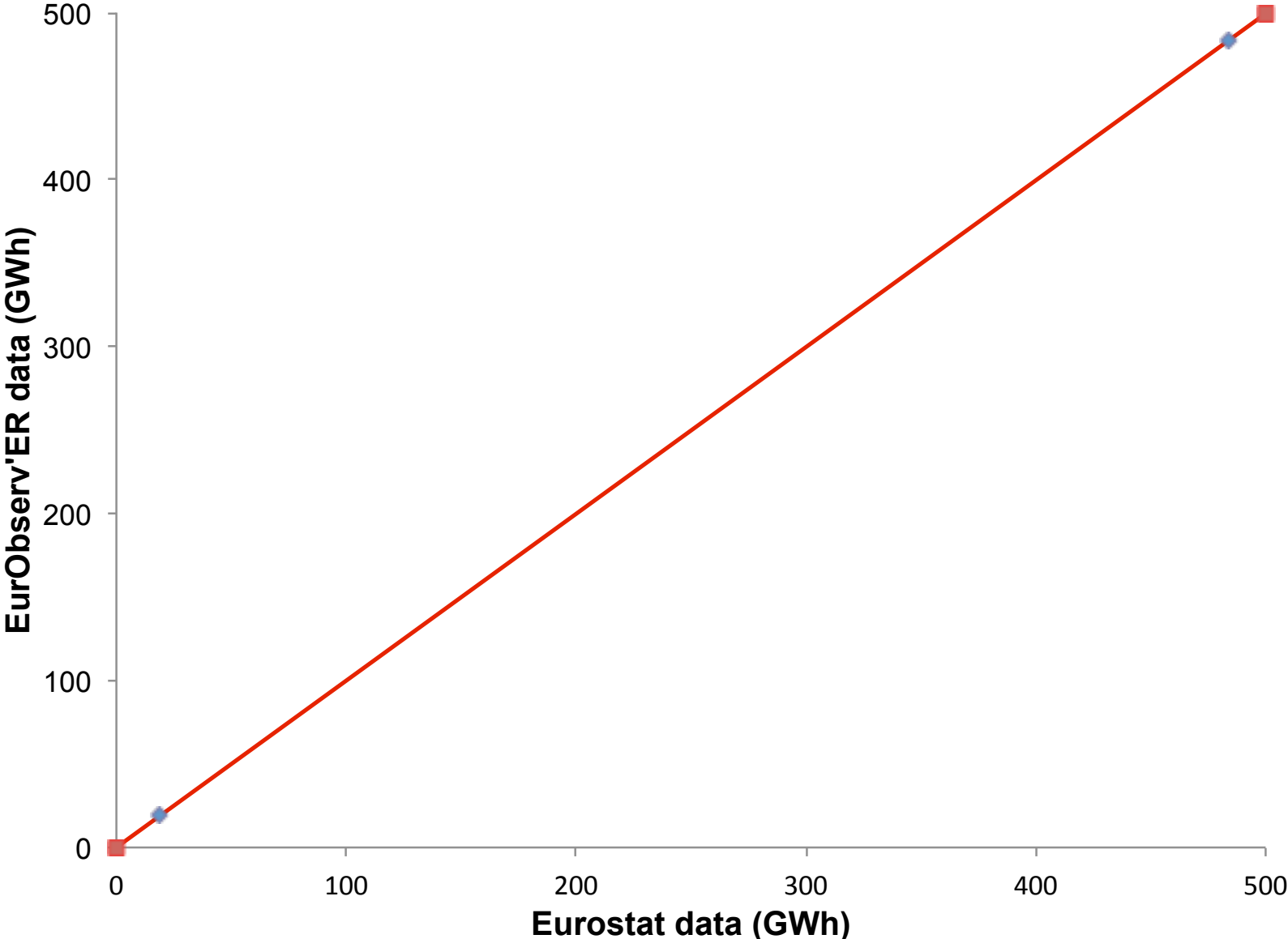
Installed ocean power capacity





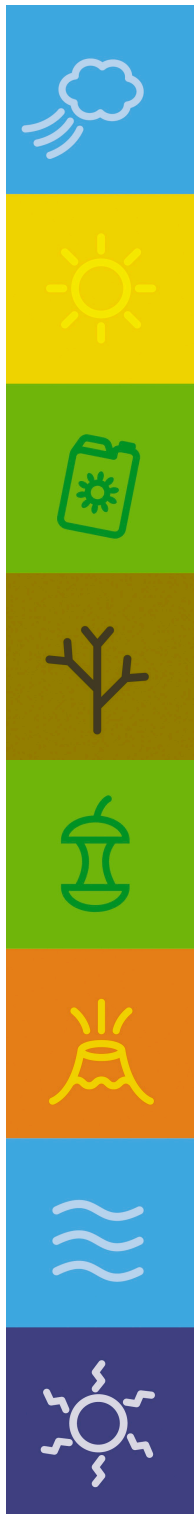
Details of the comparison

Electricity generation from ocean power



Capacity installed

- **Solar thermal**
- **CSP**

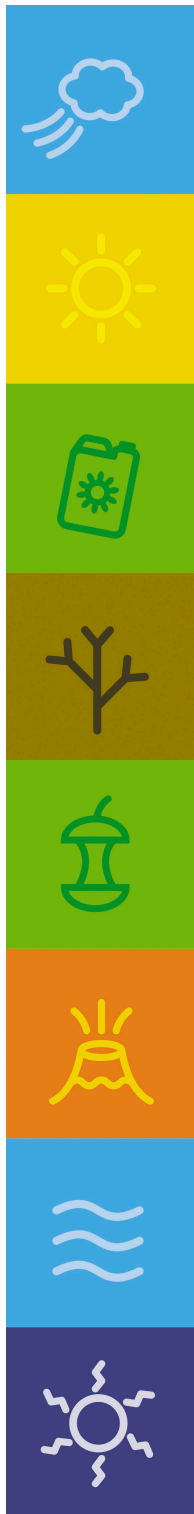


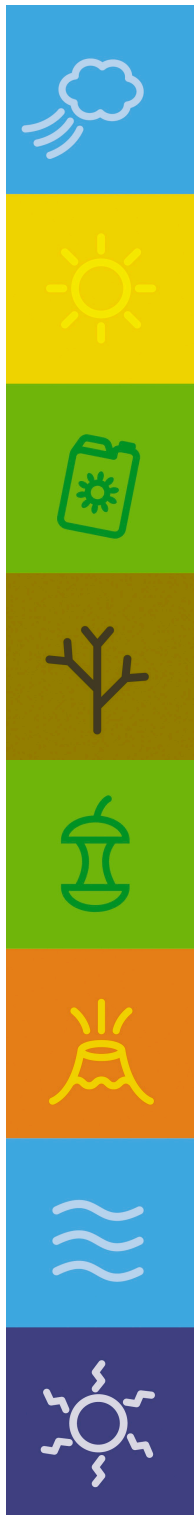
Comparison EurObserv'ER / Eurostat

Installed solar thermal capacity (thousand m²) in 2021

	Eurostat	Eurobserv'ER
EU 27	56 999	57 171

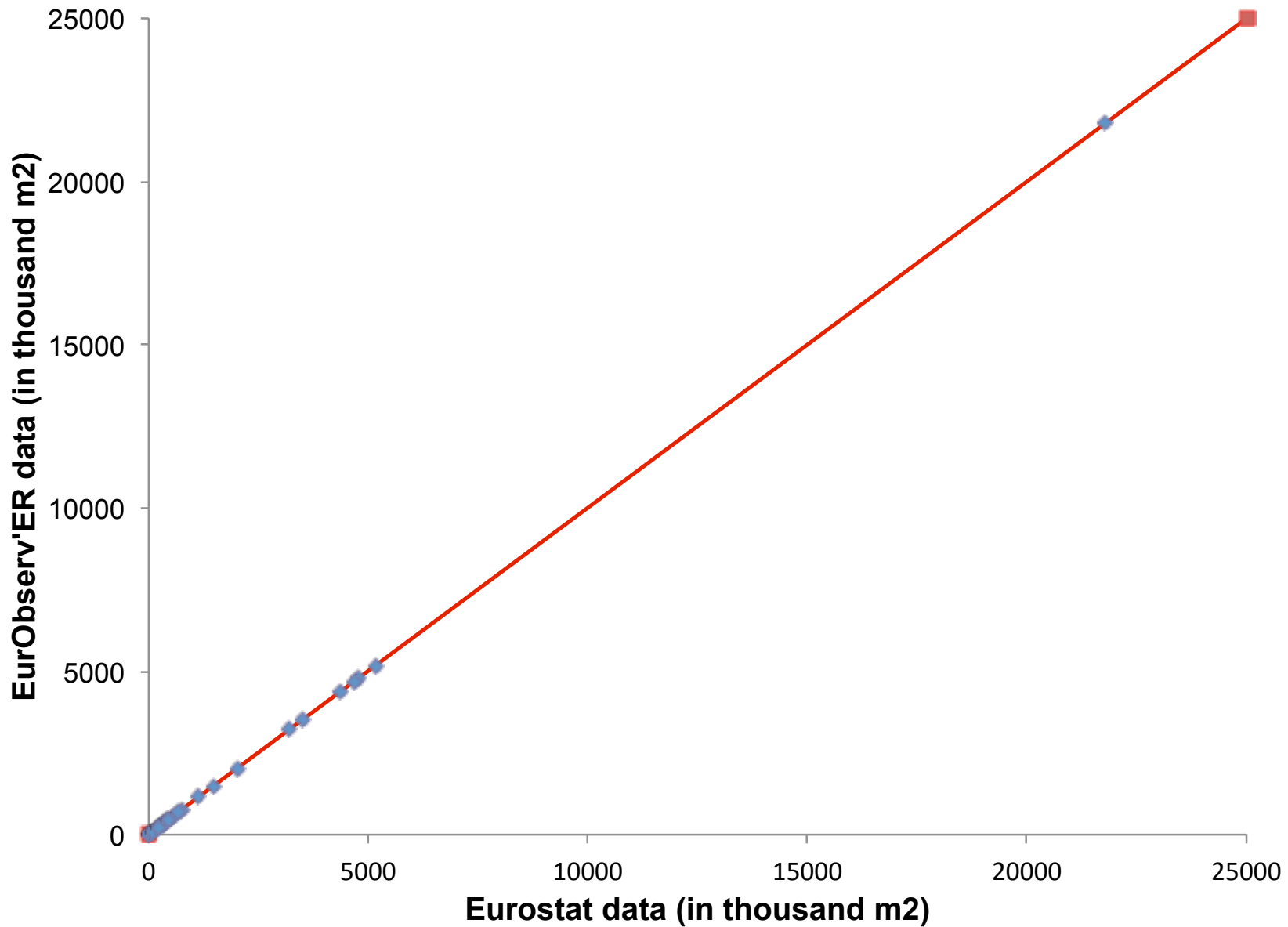
< 0,3 %





Details of the comparison

Installed solar thermal capacity

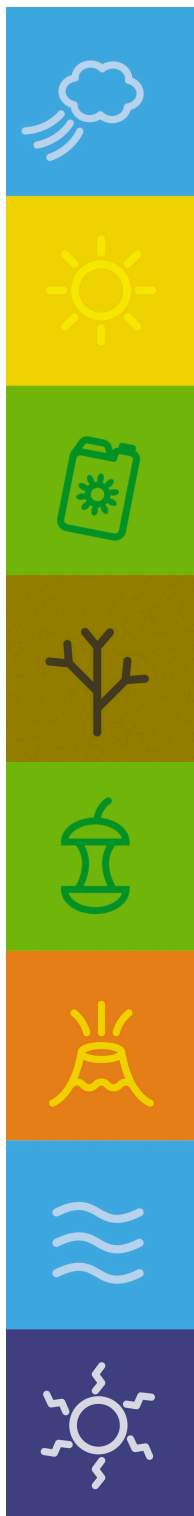


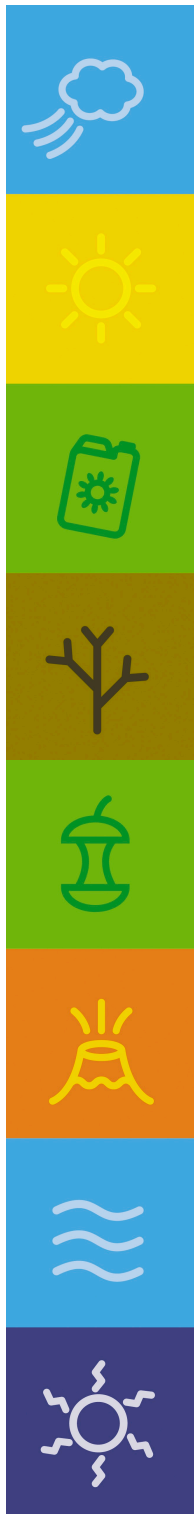
Comparison EurObserv'ER / Eurostat

Installed concentrated solar power capacity (MW) in 2021

	Eurostat	Eurobserv'ER
EU 27	2 306	2 329

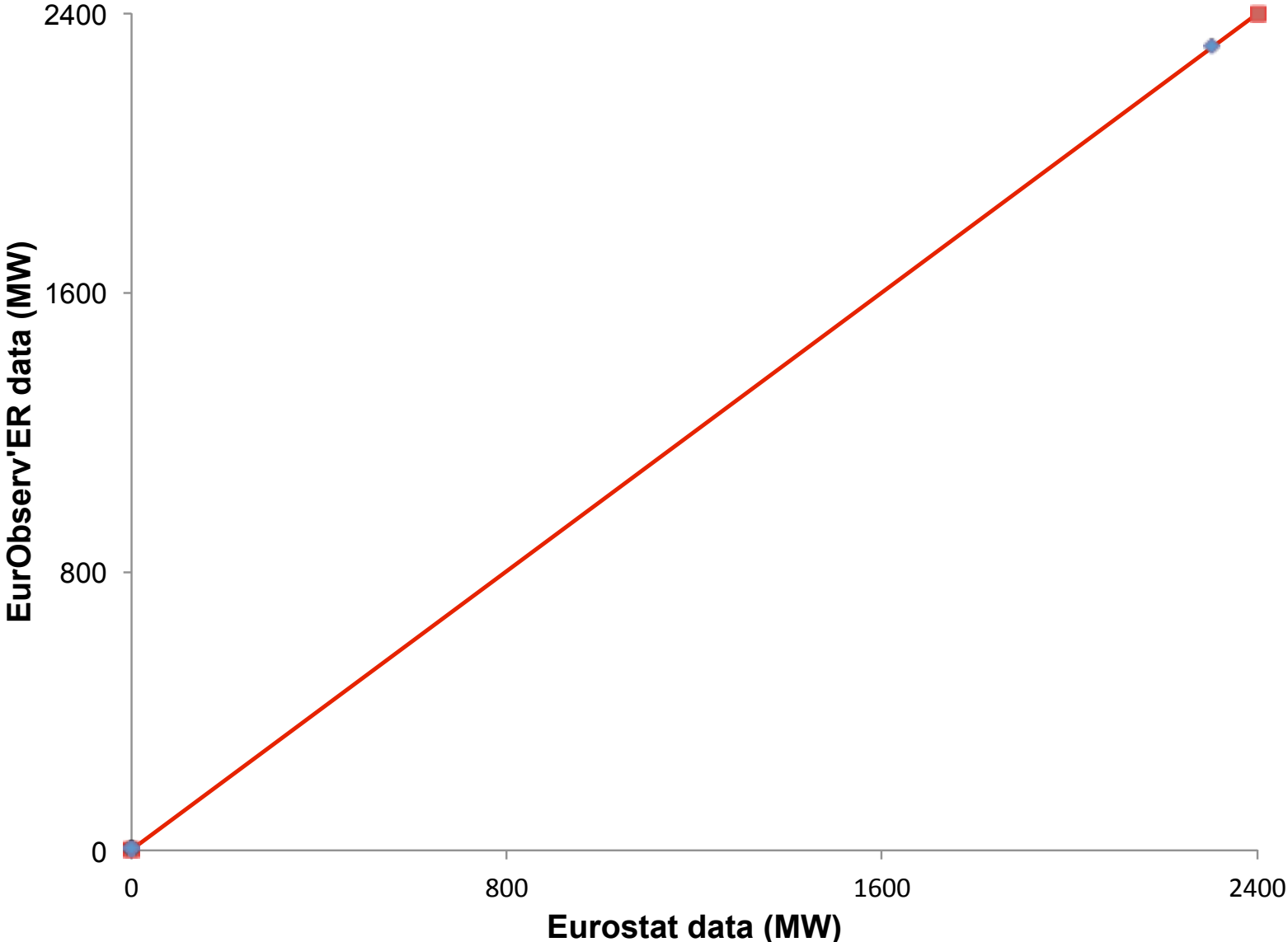
EurObserv'ER is also covering prototypes plants in France, Italy and Denmark which are not included in Eurostat database.





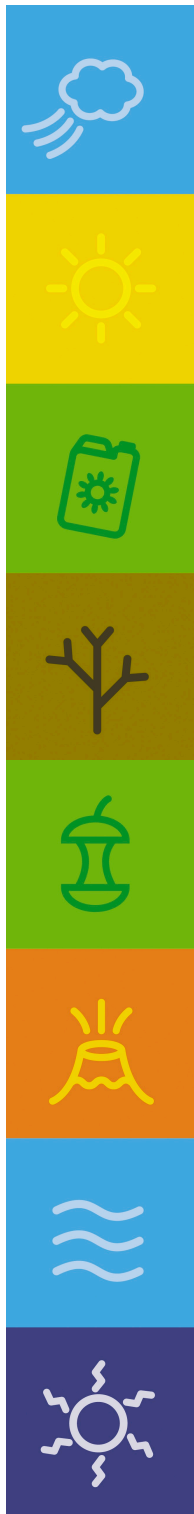
Details of the comparison

Installed CSP capacity



Energy production

- **Biofuels consumption for transport**
- **Primary energy from solid biofuels**



Comparison EurObserv'ER / Eurostat

Biofuels used for transport consumption (ktoe) in 2021

	Shares	Eurobserv'ER
EU 27	17 040	17 017

< 0,2 %

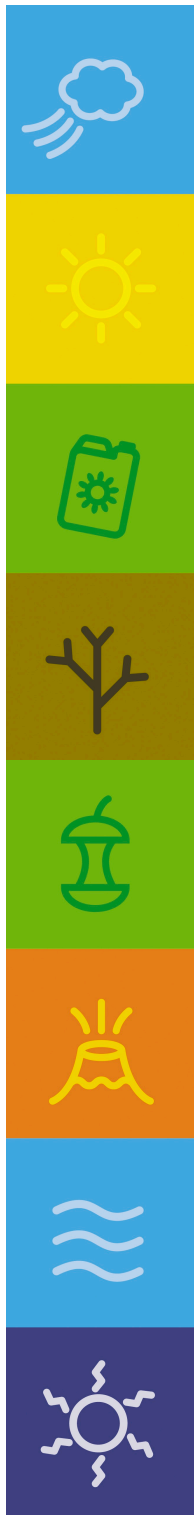
Renewable electricity used in transport (ktoe) in 2021

	Shares	Eurobserv'ER
EU 27 for road transport	237	215
EU 27 for railtransport	1 367	1 358
EU 27 other modes	278	290

< 9 %

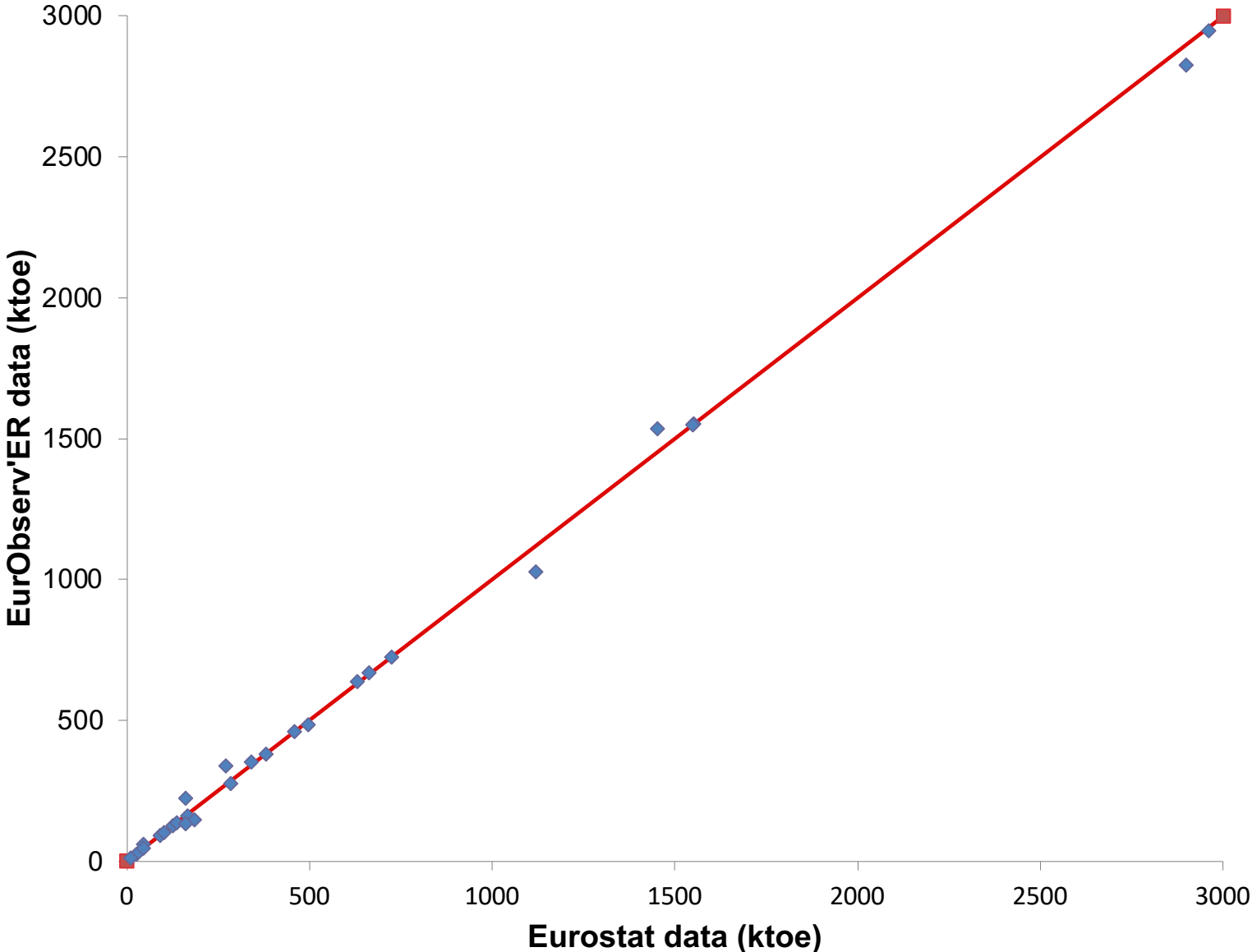
< 0,7 %

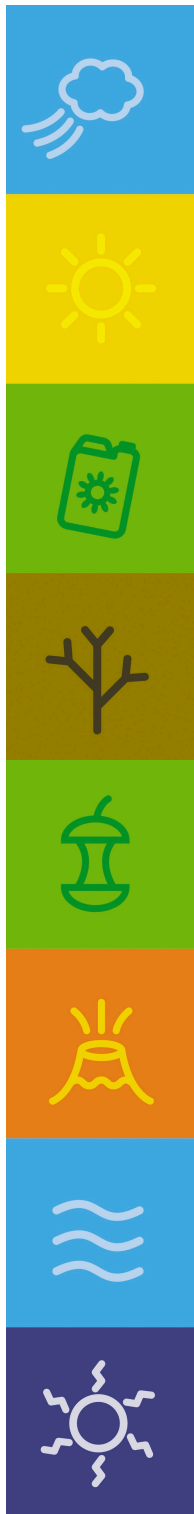
< 5 %



Details of the comparison

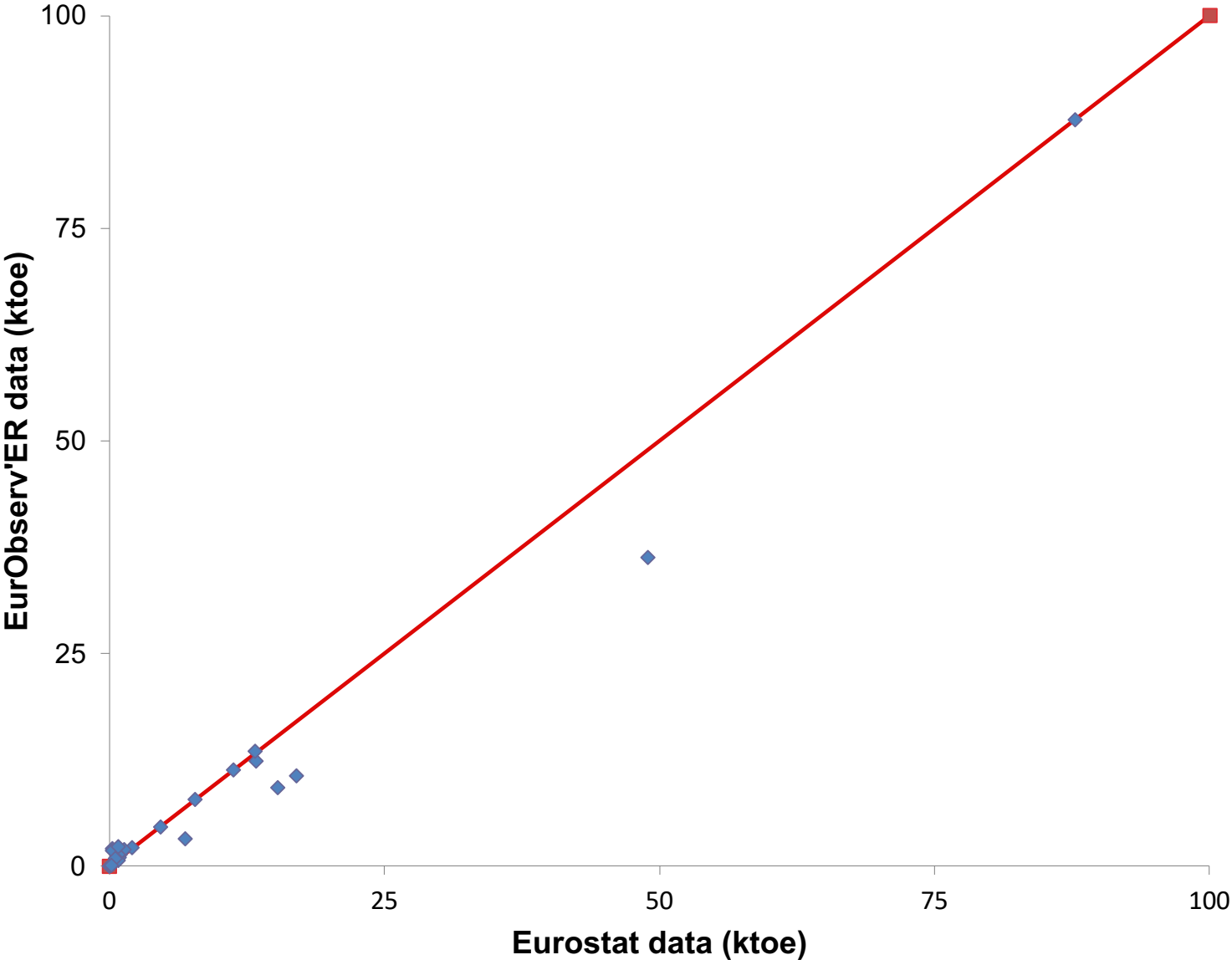
Biofuels used for transport consumption

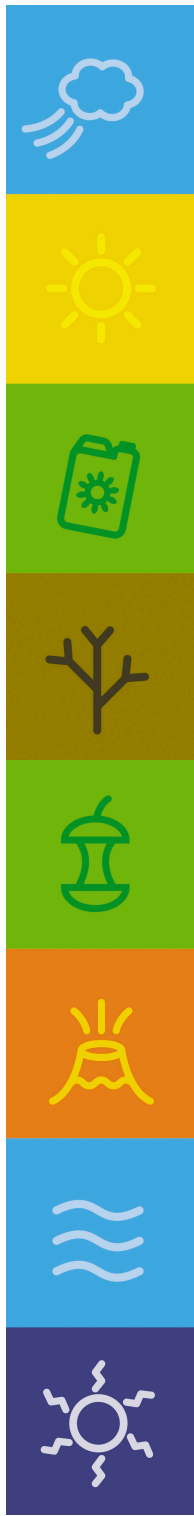




Details of the comparison

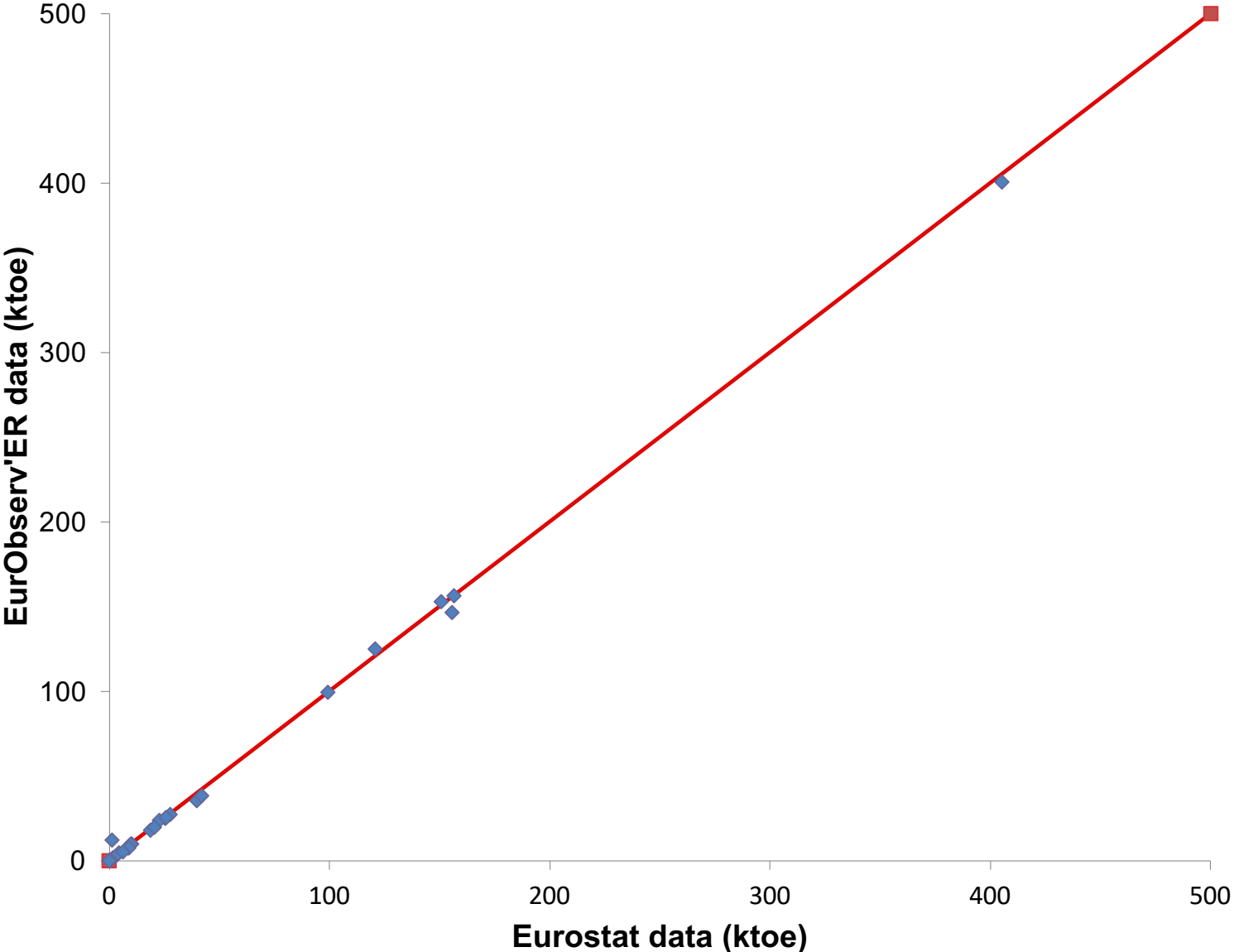
Renewable electricity used in road transport

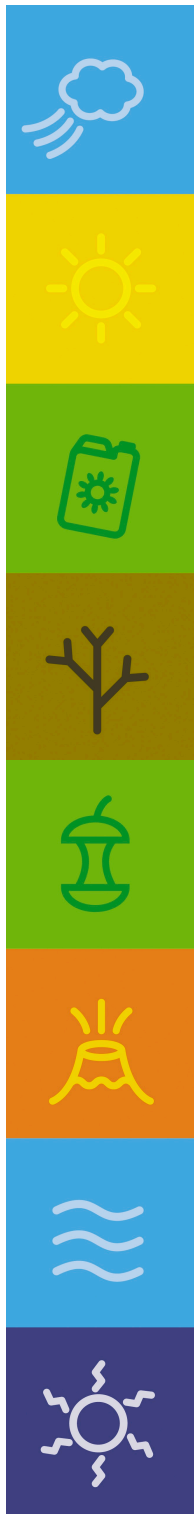




Details of the comparison

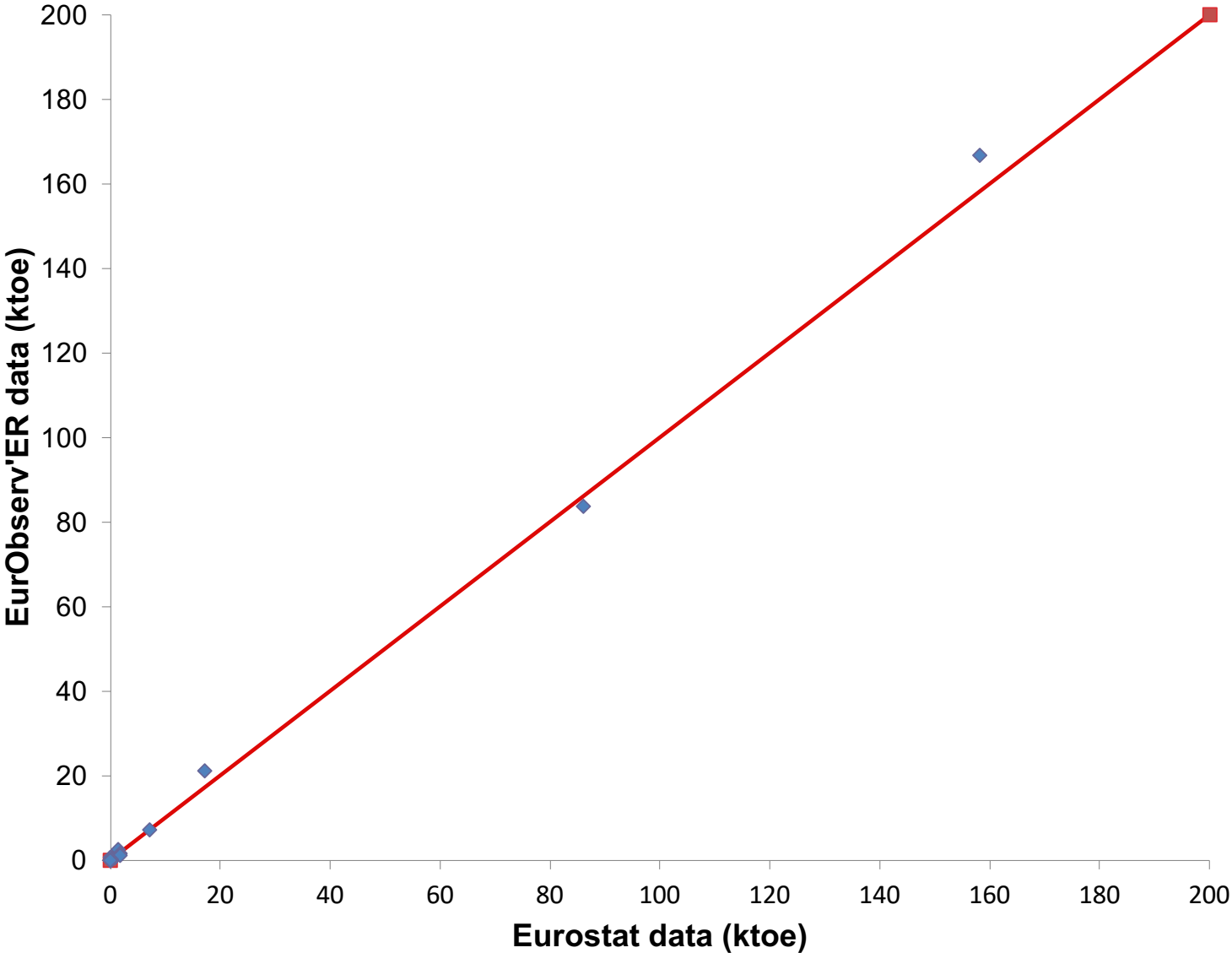
Renewable electricity used in rail transport





Details of the comparison

Renewable electricity used in other transport modes

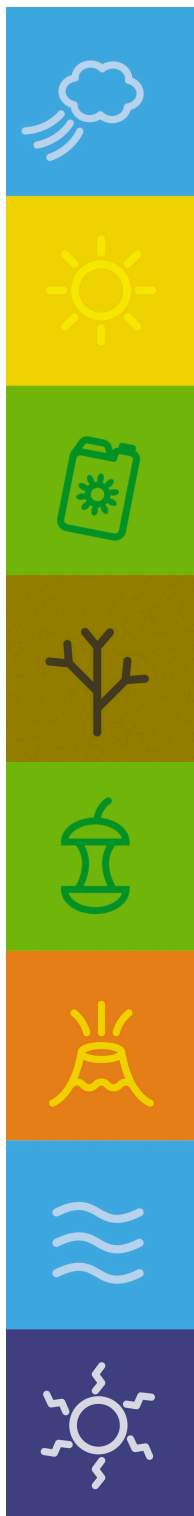


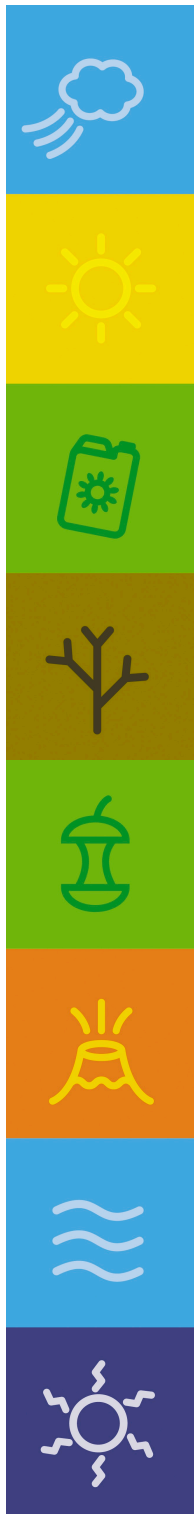
Comparison EurObserv'ER / Eurostat

Primary energy production from solid biofuels (ktoe) in 2021

	Eurostat	Eurobserv'ER
EU 27	94 353	94 270

< 0,1 %





Details of the comparison



Primary energy production from solid biofuel

