

# The EurObserv'ER barometer

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**ADEME**





# Data comparison between Eurostat and EurObserv'ER

March 2014

## 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

This comparison was carried out in March 2014. The following slides compare the most updated figures provided by Eurostat on RES at that time (for year 2012) and the data for the same year published in the 2013 by EurObserv'ER (on thematic and overview barometers).

Usually the comparison is done both on data on production generated and installed capacity. This document has no comparison on capacity indicators because as at the date of its creation, the online Eurostat database proposed 2011 figures as most current data. The comparison between Eurostat and EurObserv'ER on 2011 installed capacity data was already made in March 2013 in the previous comparison report.



# Comparison EurObserv'ER indicators/Eurostat statistics



For electricity, heat and primary energy production : over a discrepancy of 5 % accuracy will be considered high.

Beyond the threshold, the differences will be analysed by the consortium in order to find out explanations of the gap





## Energy production

- Primary energy from biomass
  - For solid biomass sector
  - For renewable municipal wastes sector
  - For biogas sector
- Biofuels consumption
- Electricity generation from PV
- Electricity generation from windpower
- RES-E in gross electricity consumption
- RES in gross inland energy consumption

# Comparison EurObserv'ER indicators/Eurostat statistics



Primary energy production from solid biomass in 2012 (ktoe)

	<b>Eurostat</b>	<b>EurObserv'ER</b> Figures released in November 2013
EU 27	83 031.4	82 341
EU 25	78 127.5	77 897
EU 15	62 361.1	62 436
EU 10	15 766.4	15 461

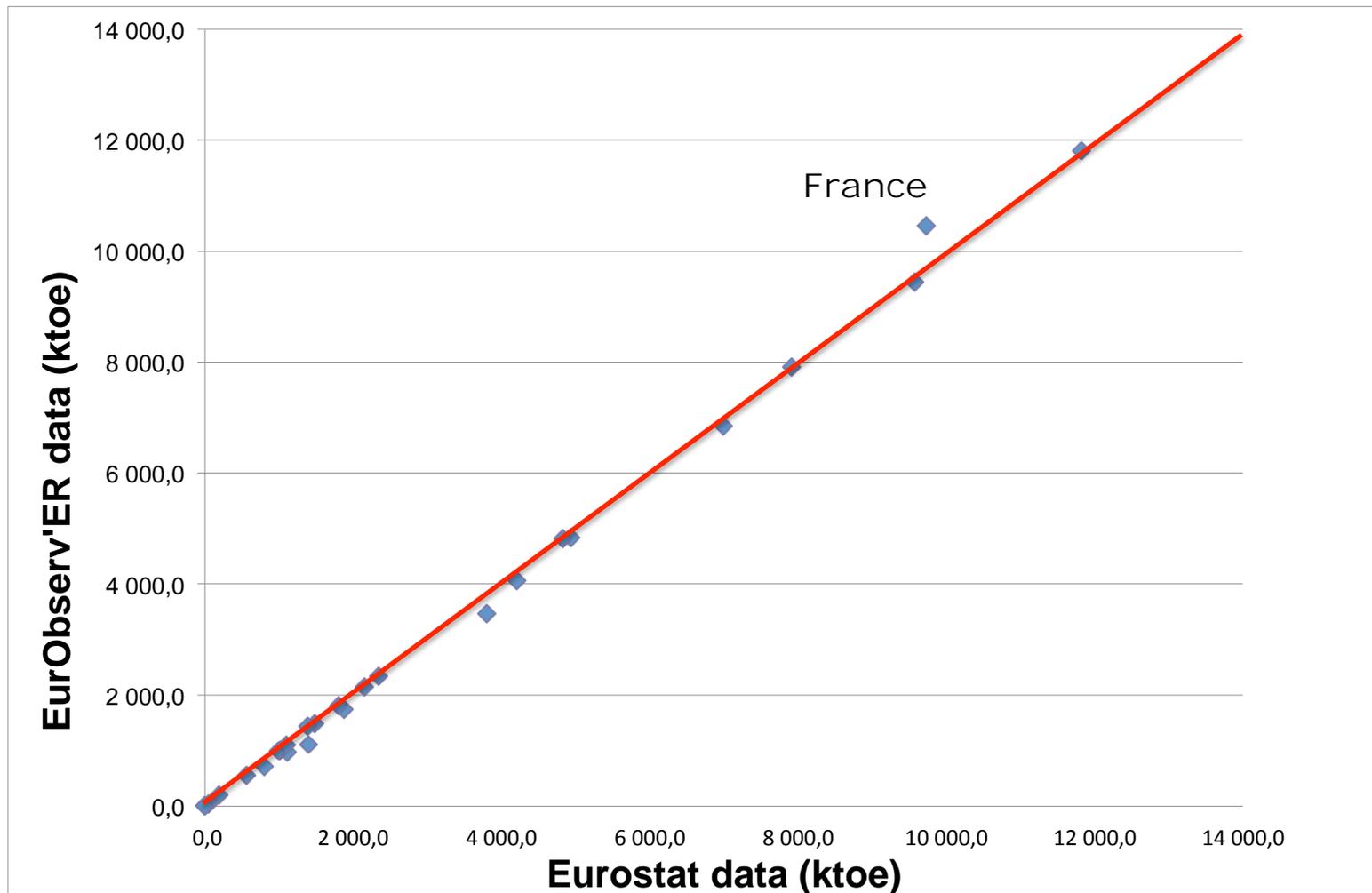
0.8 %





## Details of the comparison

### Primary energy production from solid biomass



EurObserv'ER figure for France includes the Oversea departments

Primary energy production from waste in 2012 (ktoe)

	<b>Eurostat (only renewable municipal waste)</b>	<b>EurObserv'ER (only renewable municipal waste)</b> <small>Figures released in December 2013</small>
EU 27	8 738.3	8 750.5
EU 25	8 717.5	8 750.5
EU 15	8 537.0	8 551.3
EU 10	180.5	199.2

0.14 %

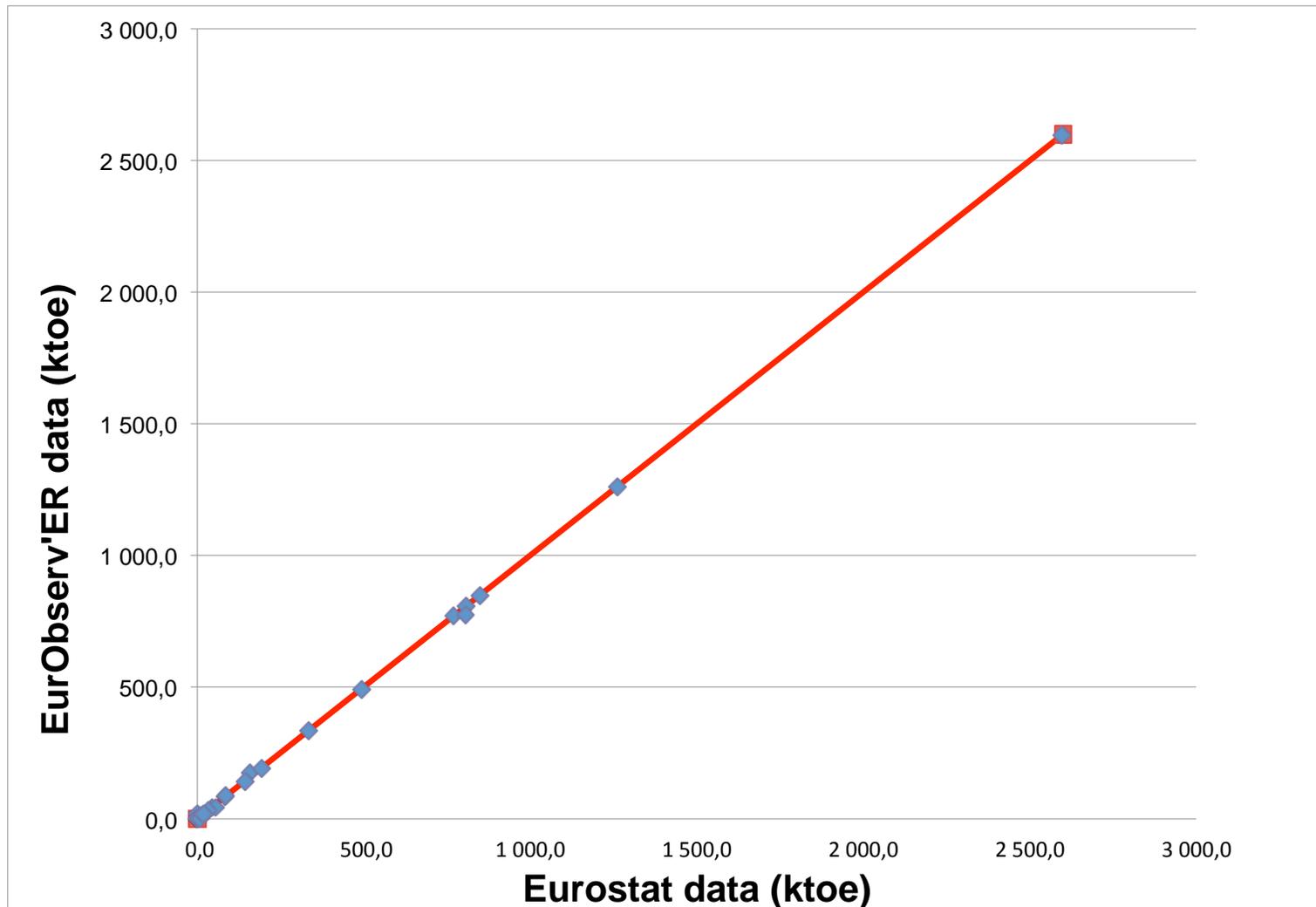




## Details of the comparison



## Primary energy production from renewable municipal wastes



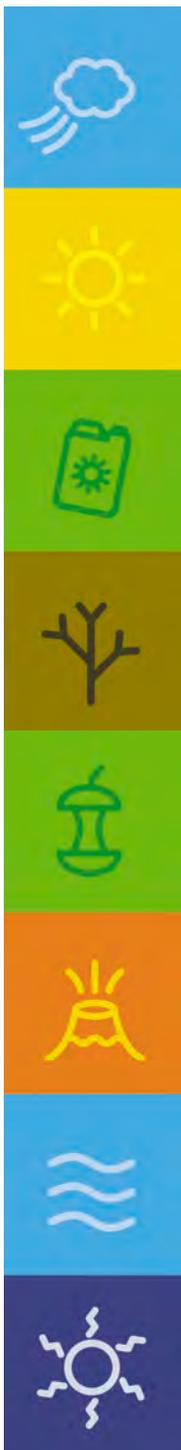
# Comparison EurObserv'ER indicators/Eurostat statistics



## Primary energy production from biogas in 2012 (ktoe)

	<b>Eurostat</b>	<b>EurObserv'ER</b> Figures released in December 2013
EU 27	12 081.3	12 015.5
EU 25	12 053.9	11 999.1
EU 15	11 277.6	11 247.3
EU 10	776.3	751.8

0.5 %

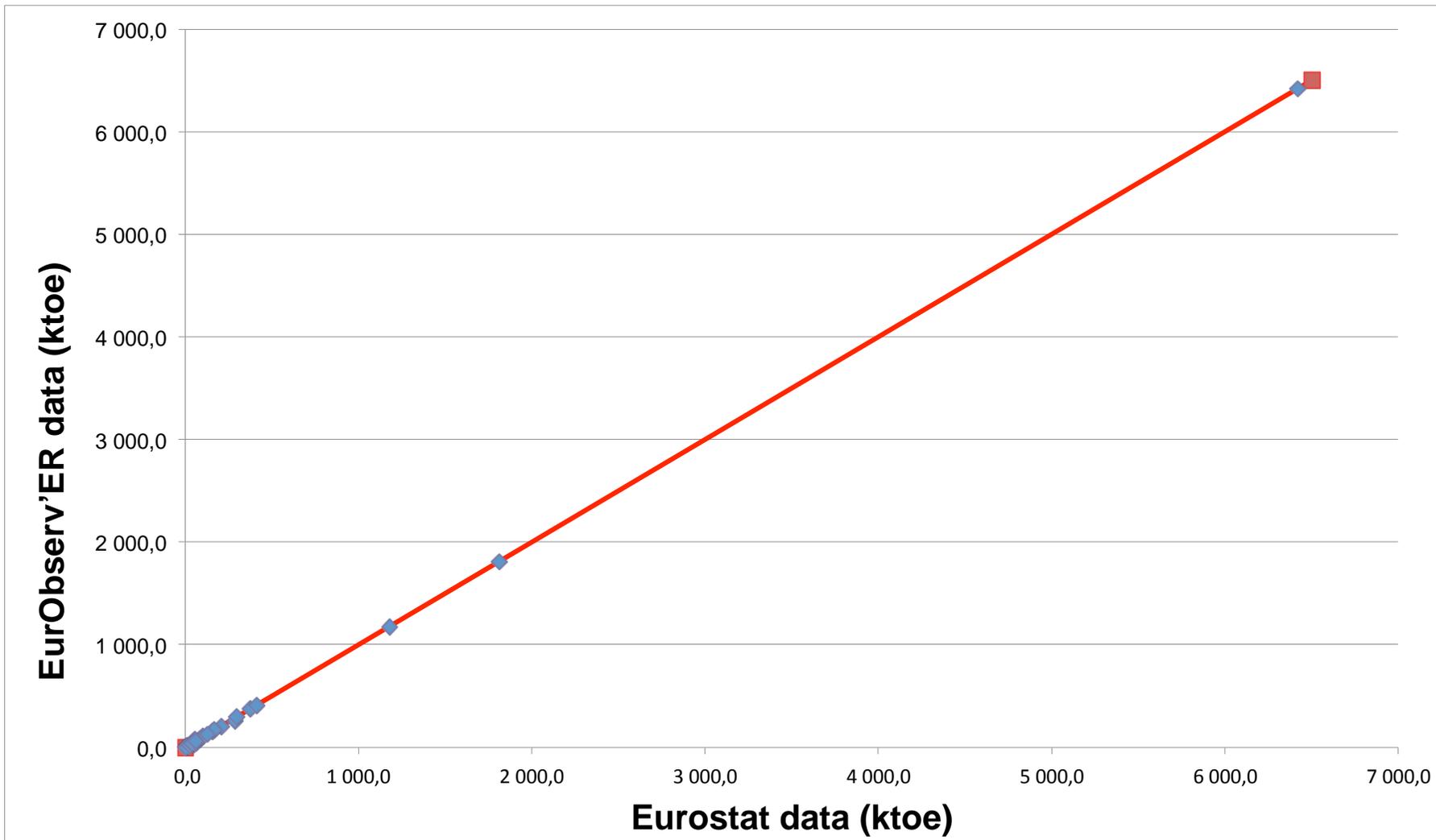




# Details of the comparison



## Primary energy production from biogas



Biofuels consumption in 2012 (in ktoe)

	<b>Eurostat</b> Cons. for transport	<b>EurObserv'ER</b> Figures released in July 2013
EU 27	14 455.4	14 418.6
EU 25	14 151.9	14 212.6
EU 15	12 672.4	12 701.9
EU 10	1 479.5	1 510.6

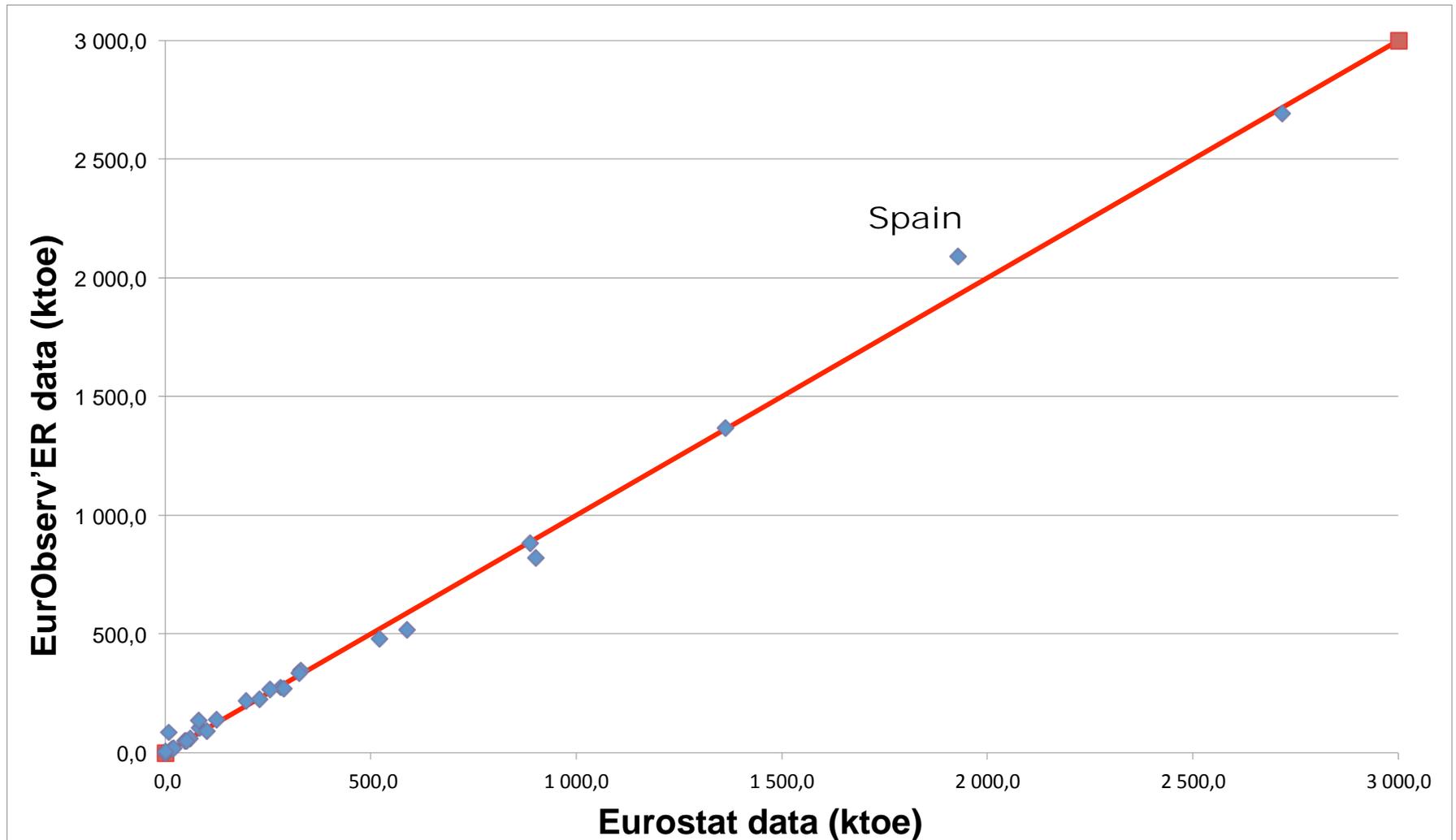
0.2 %





# Details of the comparison

## Biofuels consumption



Spain proceeded to a consolidation for the Biofuels consumption figure

# Comparison EurObserv'ER indicators/Eurostat statistics



## Electricity generation from PV in 2012 (GWh)

	<b>Eurostat</b>	<b>EurObserv'ER</b> Figures released in April 2013
EU 27	67 234	68 059
EU 25	66 412	67 523
EU 15	63 630	64 684
EU 10	2 782	2 839

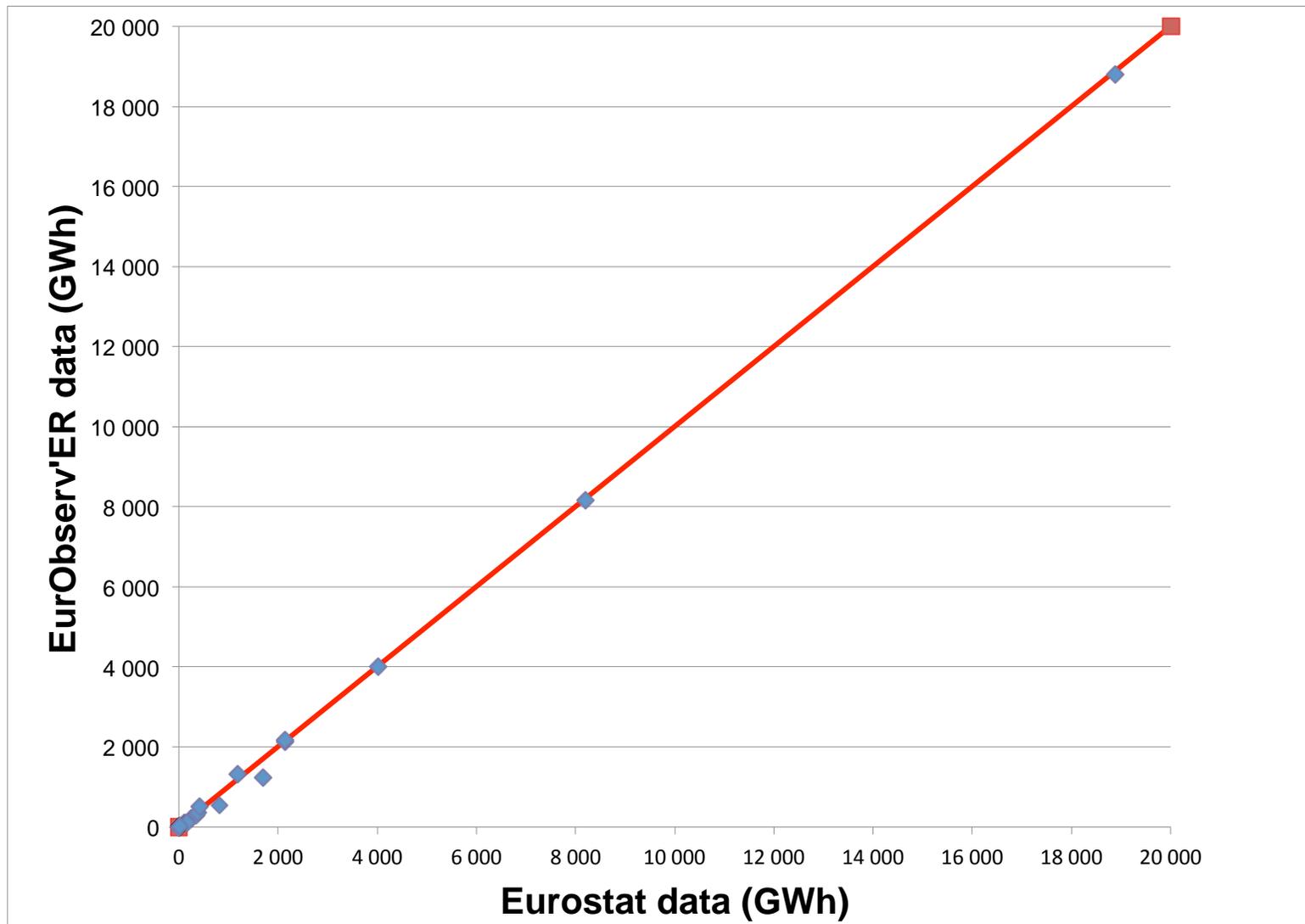
1.2 %





## Details of the comparison

### Electricity generation from PV



# Comparison EurObserv'ER indicators/Eurostat statistics



## Electricity generation from windpower in 2012 (GWh)

	<b>Eurostat</b>	<b>EurObserv'ER</b> Figures released in February 2013
EU 27	205 438	200 162
EU 25	201 577	196 178
EU 15	194 364	189 500
EU 10	7 213	6 678

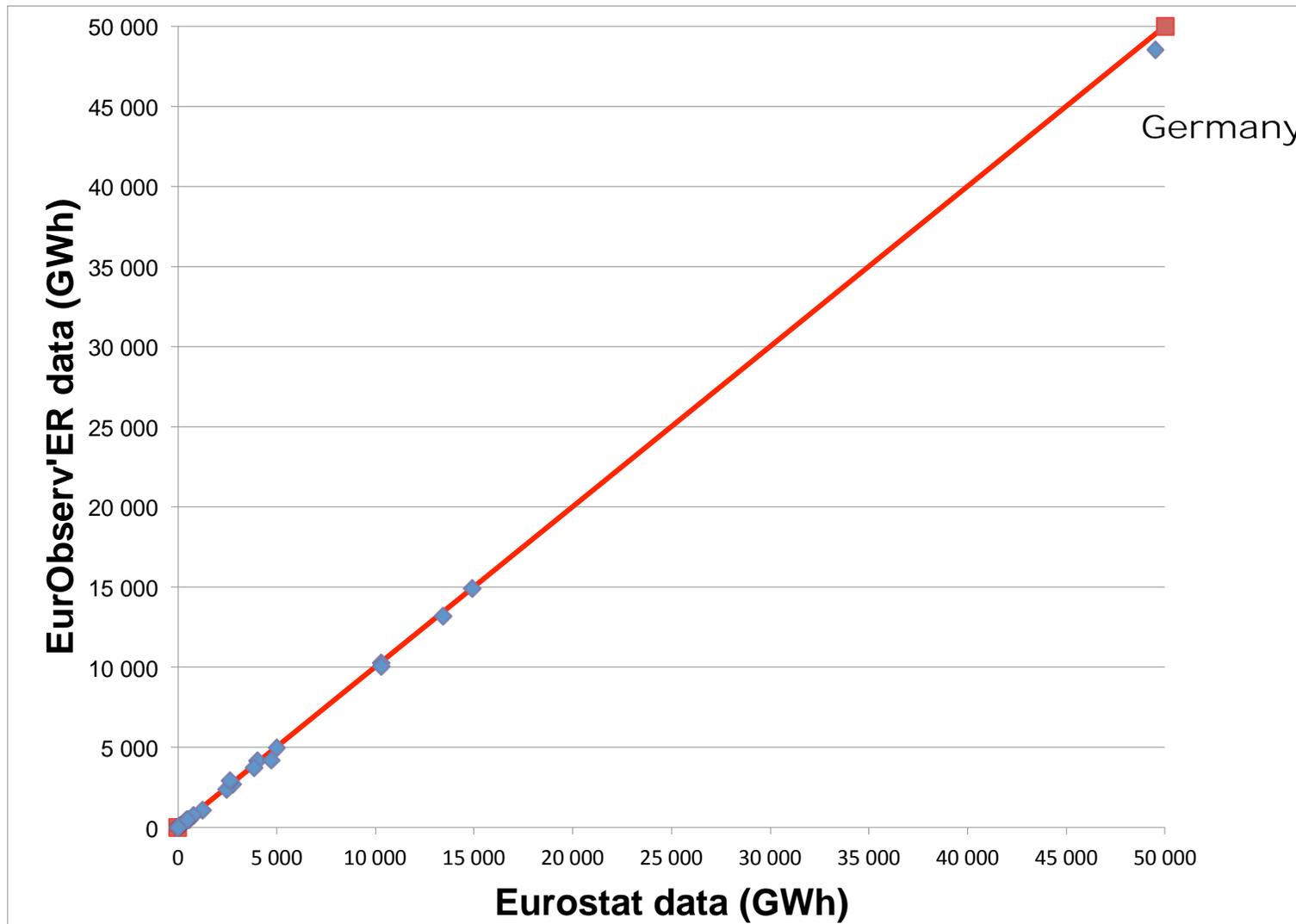
2.5 %





## Details of the comparison

### Electricity generation from windpower



- ZSW AGEE stat proceeded to a strong consolidation on its Windpower electricity generation figure

# Comparison EurObserv'ER indicators/Eurostat statistics



## RES-E in gross electricity consumption in 2012 (in %)

	<b>Eurostat</b> Figures for EU 28	<b>EurObserv'ER</b> Figures released in December 2013
EU 27	23.5%	23.4%

0.1 difference

Eurostat calculated a first evaluation of this indicator by using normalized production data for wind and hydro

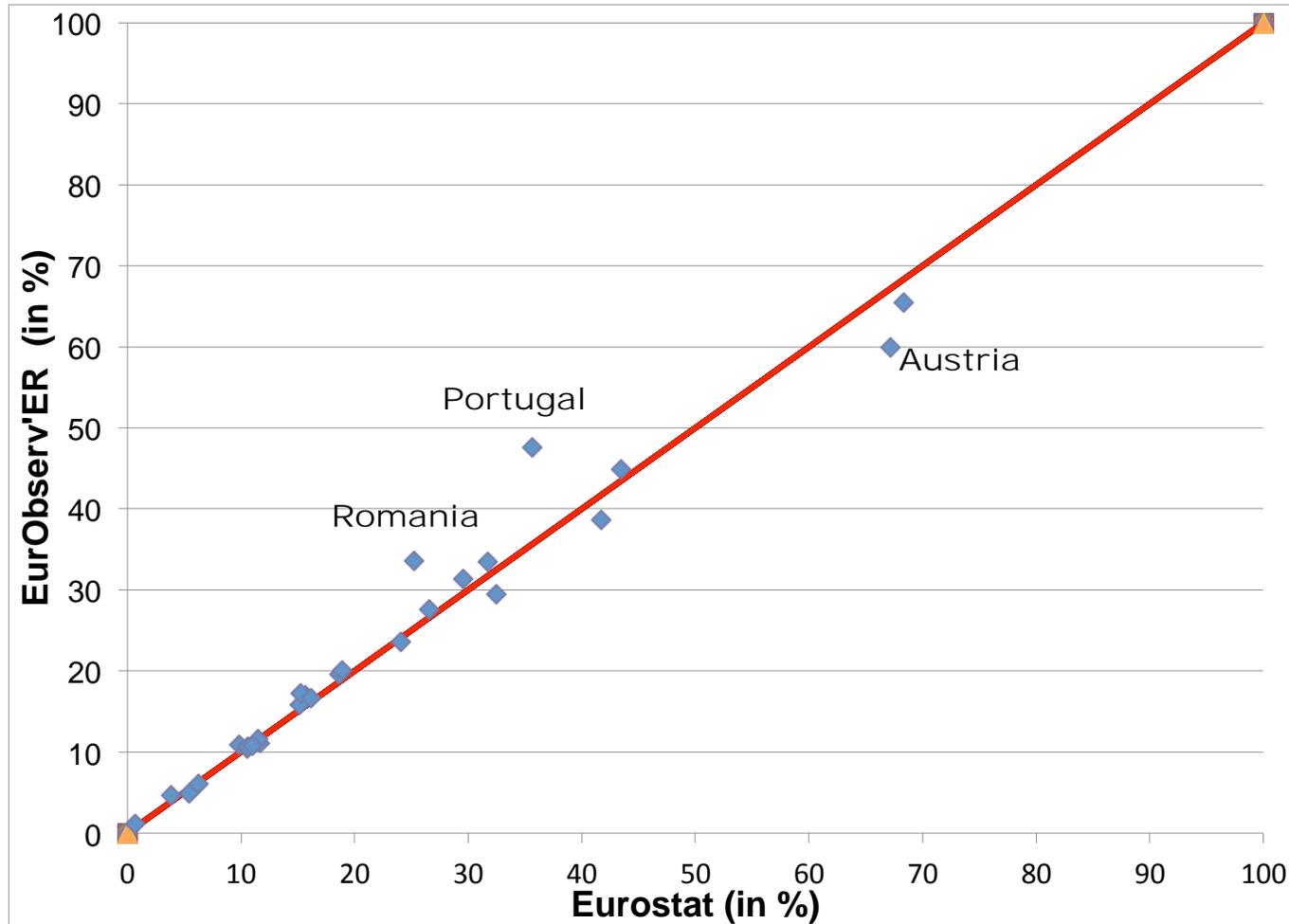
EurObserv'ER did not use normalized production according to the definition of the tsdcc330 indicator.





## Details of the comparison

### RES-E in gross electricity consumption in 2012



Eurostat calculated a first evaluation of this indicator by using normalized production data for wind and hydro

EurObserv'ER did not use normalized production according to the definition of the tsdcc330 indicator.



# Comparison EurObserv'ER indicators/Eurostat statistics



RES in gross final energy consumption in 2012 (in %)

	<b>Eurostat</b> Figures for EU 28	<b>EurObserv'ER</b> Figures released in December 2013
EU 27	14.1%	14.0%

0.1 difference

The EurObserv'ER rate is covering the EU 27. The Eurostat rate is referring to the EU 28



## Details of the comparison

Share of RES in gross final energy consumption in 2012

