



# Key issues in defining consistent & sound targets: Statistics

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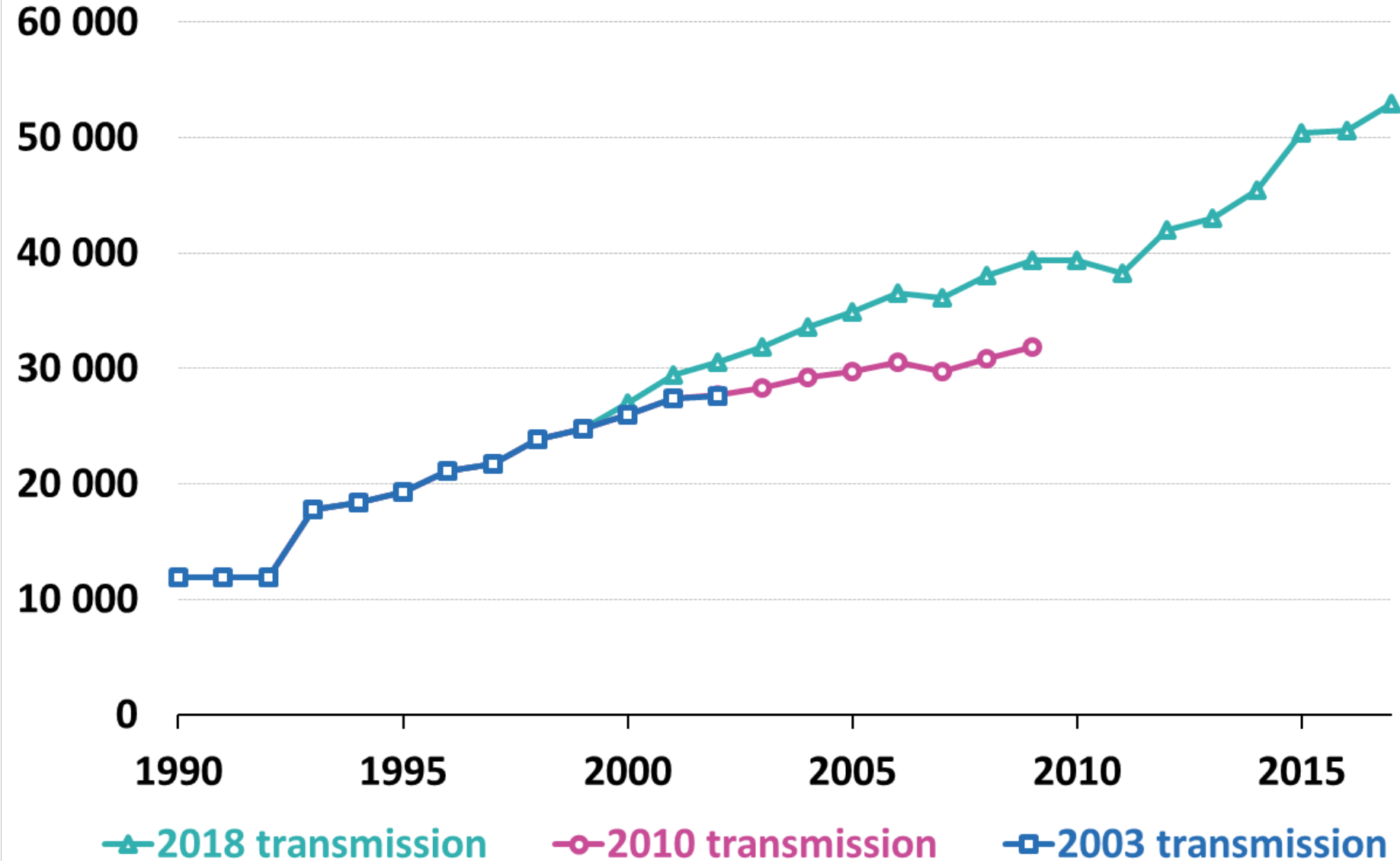
European Commission - Eurostat

# Presentation overview

- Revisions of solid biofuels data in selected EU Member States
- Changes due to calculation methodology
- Impact of data revisions and methodology changes on the targets of Directive 2009/28/EC (renewables)
- Eurostat recommendations

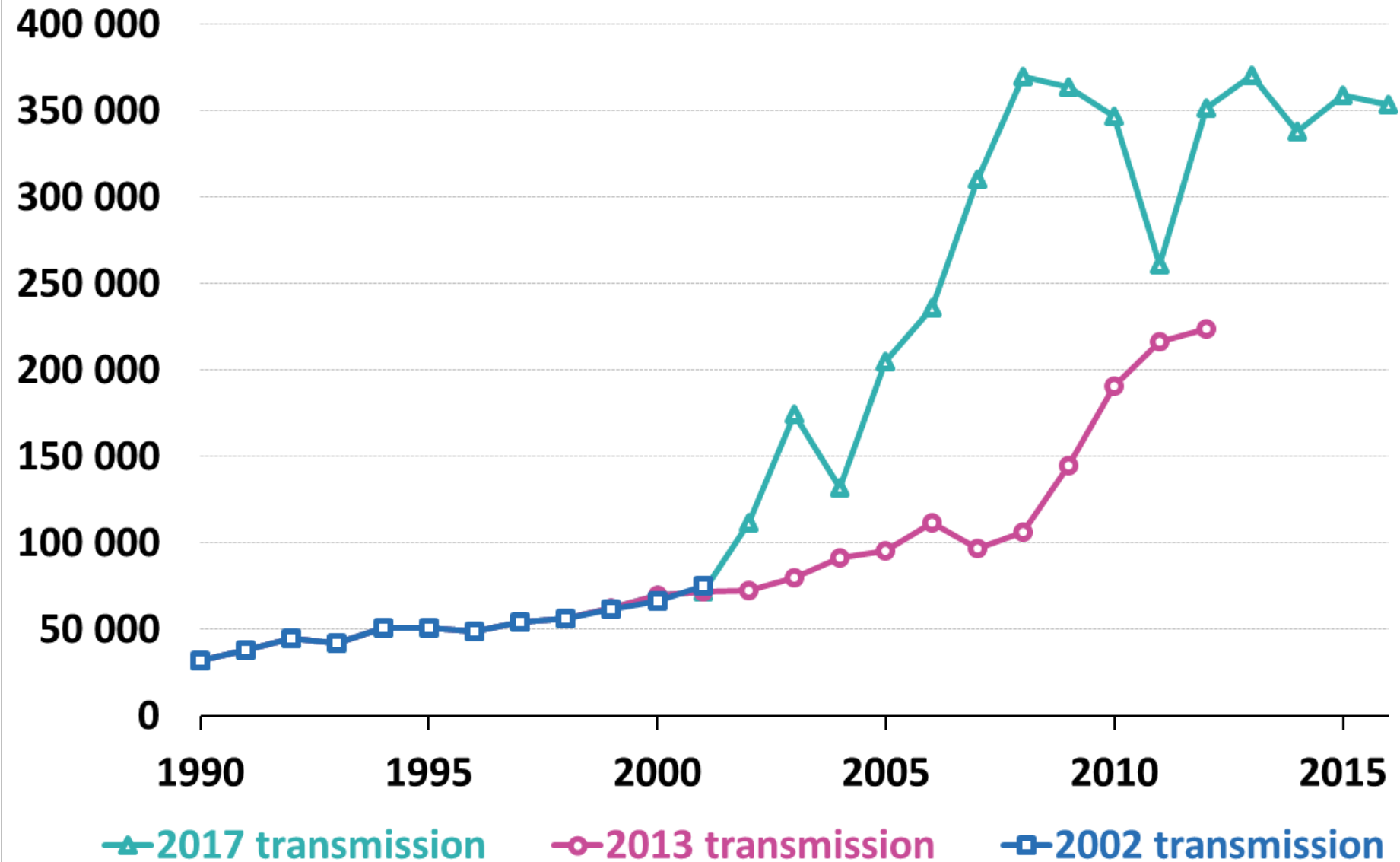
# Lithuania: data revision

Inland consumption (calculated) - Solid biofuels [TJ]



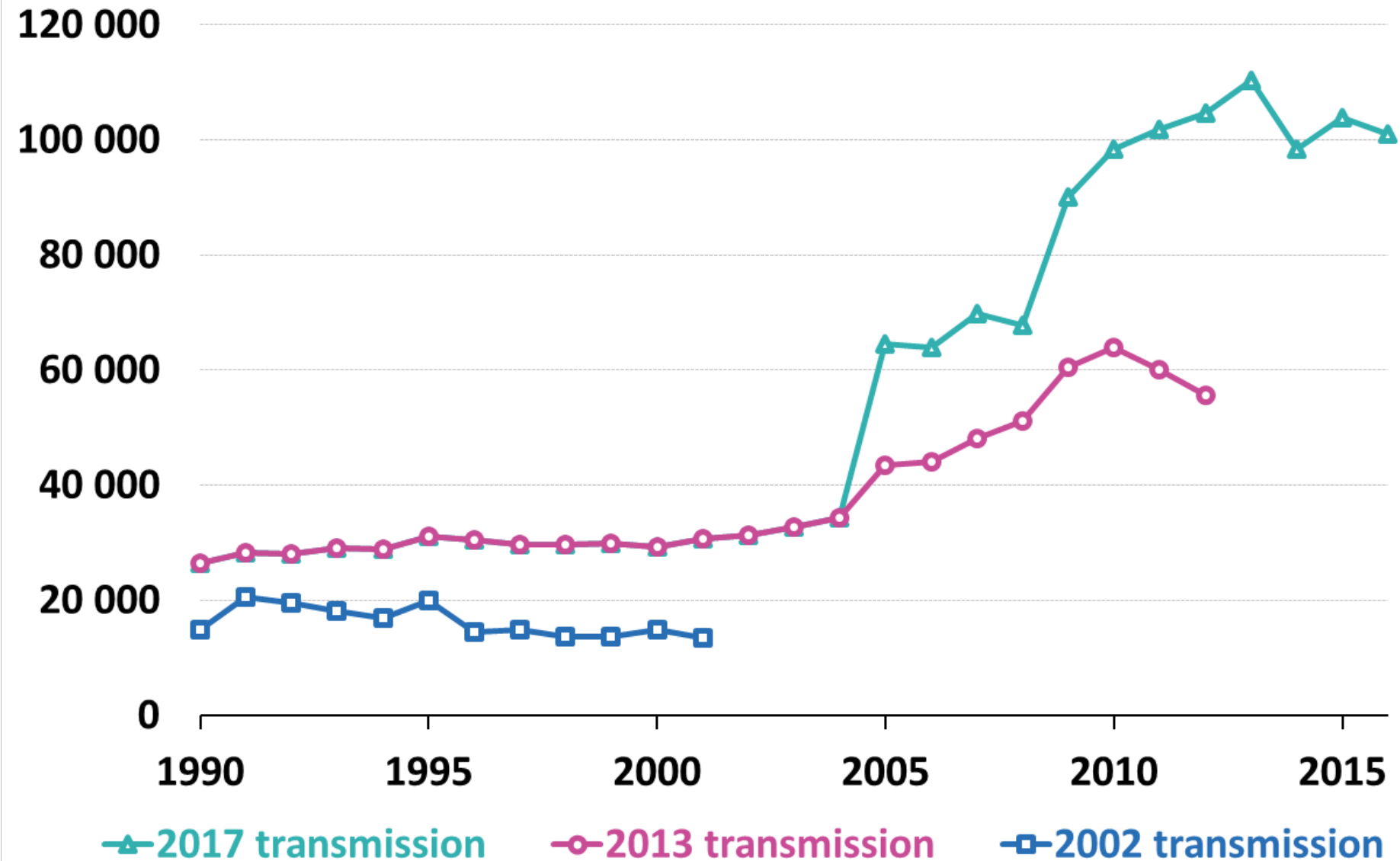
# Italy: data revision

Inland consumption (calculated) - Solid biofuels [TJ]



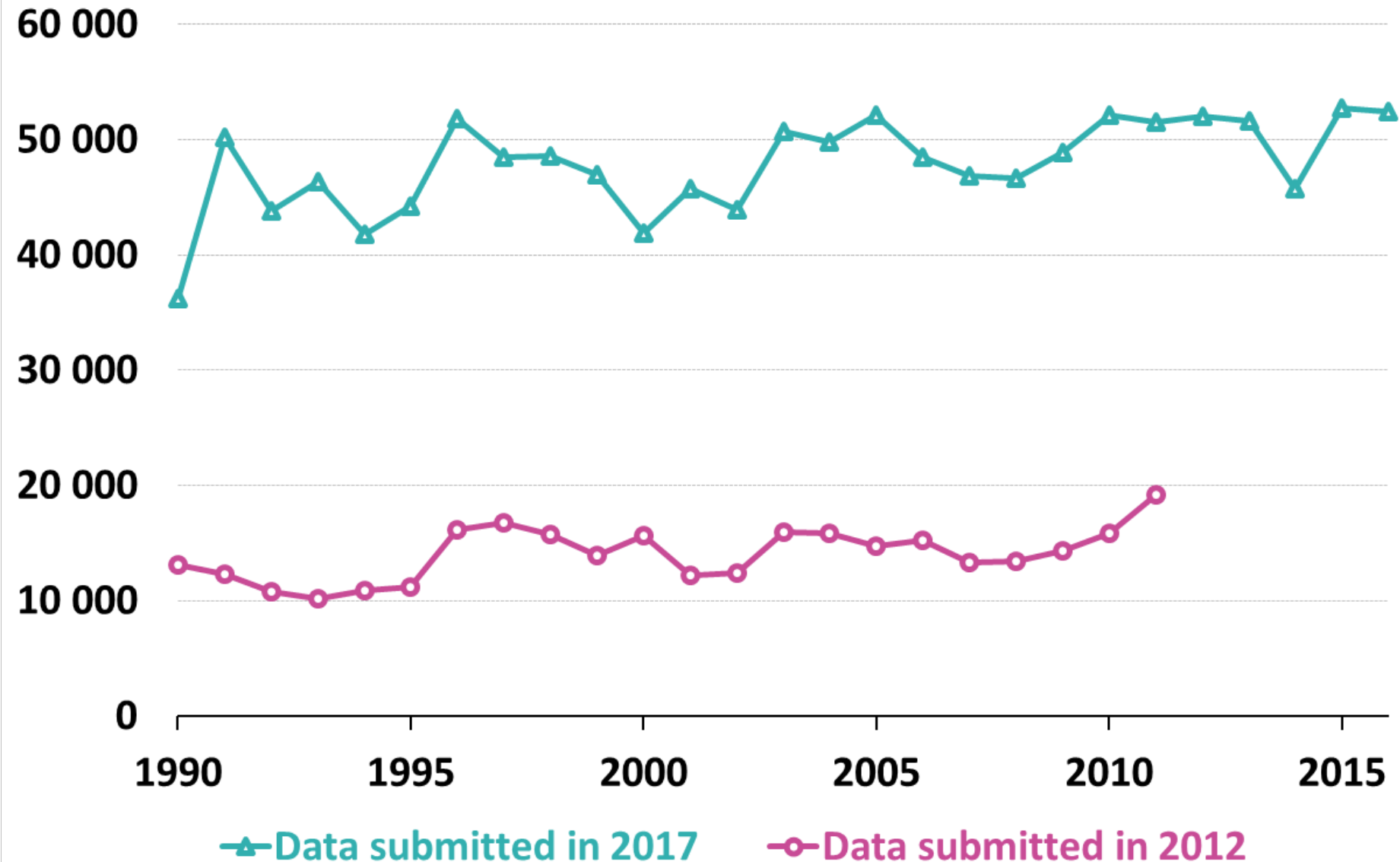
# Hungary: data revision

Inland consumption (calculated) - Solid biofuels [TJ]



# Croatia: data revision

Inland consumption (calculated) - Solid biofuels [TJ]



# Changes due to calculation methodology

- **Inclusion of ambient heat captured by heat pumps**
  - *No methodology and very limited data before adoption of the Directive and its implementing acts*
- **Implementation of sustainability criteria**
  - *Country specific problems/delays + ILUC update*
- **Inclusion of the renewable cooling/coldness**
  - *Upcoming update of the Directive*

# Share of energy from renewable sources in year 2005

	2005	S <sub>2005</sub>	DIFFERENCE
Croatia	23.8%	12.6%	+11.2%
Hungary	1.9%	4.3%	+2.6%
Italy	2.9%	5.2%	+2.3%
Lithuania	15.0%	15.0%	+1.8%
Czech Republic	5.1%	6.1%	+1.0%
Germany	4.9%	5.8%	+0.9%
Sweden	40.0%	39.8%	+0.8%
Poland	1.4%	0.9%	+0.5%
Denmark	16.7%	16.2%	+0.5%
United Kingdom	3.0%	2.5%	+0.5%
Slovak Republic	1.0%	0.5%	+0.5%
Romania	17.3%	17.8%	-0.5%
Estonia	17.5%	18.0%	-0.5%
France	9.6%	10.3%	-0.7%
Portugal	19.5%	20.5%	-1.0%
Greece	1.0%	2.0%	-1.0%

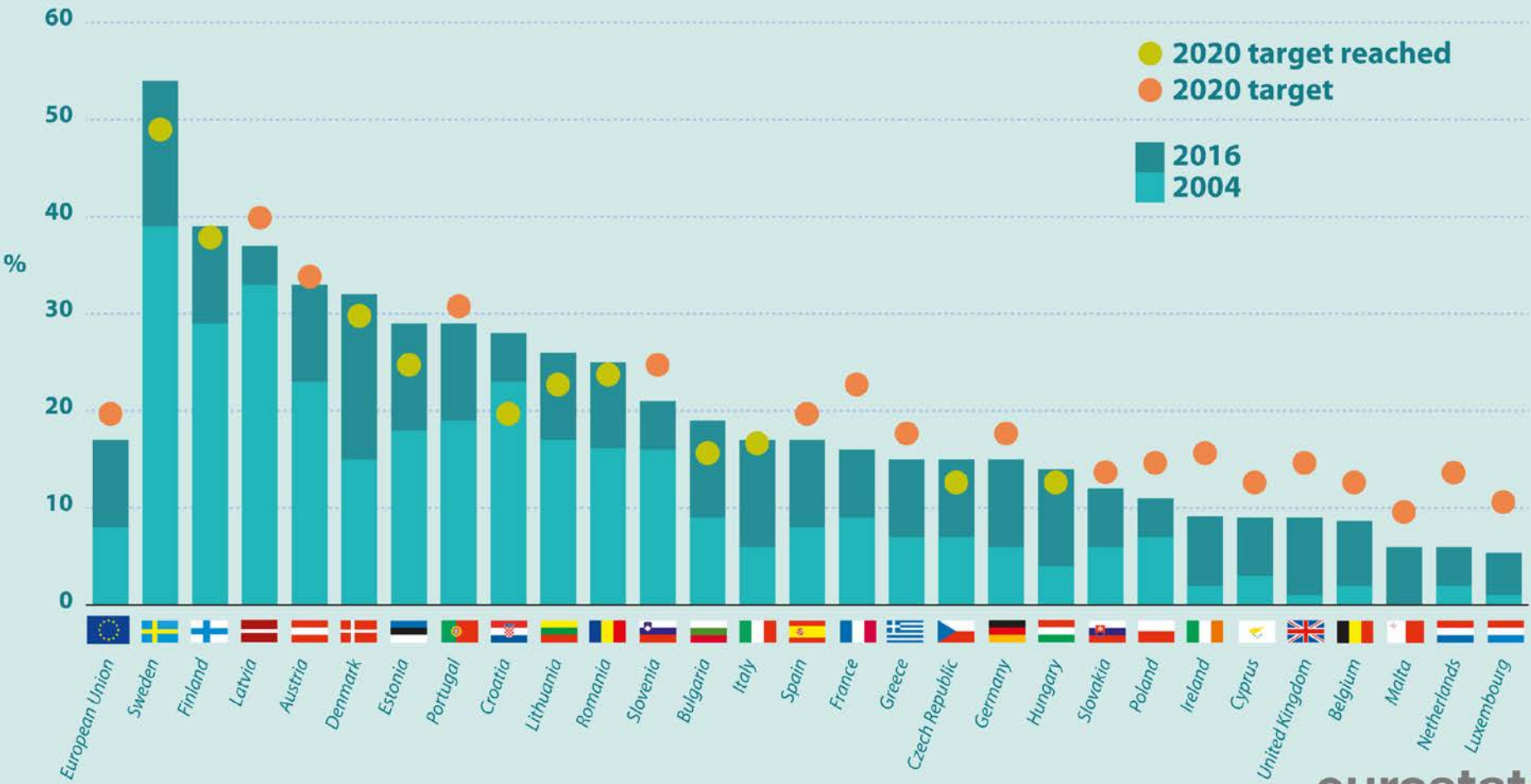
As known in 2018

As known in 2008



# Share of energy from renewable sources in the EU Member States

(in % of gross final energy consumption)



# Eurostat recommendations

- To analyse calculation methodology and establish data needs
- To assess the magnitude of the flows and the effect on the national targets
- To develop national data collection system for all relevant data
- To regularly collect high quality data

# Enhancing data validation

- **ESS.VIP Validation level 4 and level 5**
- **Cross domain (sectoral) indicators**
  - *per capita, per GDP, per sectoral value added, pre household, per floor area, ...*
- **Data from other sources**
  - *industry associations, NGOs, ...*

# Final remarks

- **Establishing the starting point is a job for statisticians**
- **Agreeing on the level of ambition is a job for politicians**
- **Monitoring progress towards the target is again a job for statisticians**



**Thank you for your attention!**

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**<http://ec.europa.eu/eurostat>**

# Key energy links to Eurostat website

- Full energy database (all energy data)  
<http://ec.europa.eu/eurostat/web/energy/data/database>
- SHARES tool (renewables)  
<https://ec.europa.eu/eurostat/web/energy/data/shares>
- Energy balances in the MS Excel format  
<http://ec.europa.eu/eurostat/web/energy/data/energy-balances>
- Sankey diagrams (Energy flow charts)  
<http://ec.europa.eu/eurostat/cache/sankey/sankey.html>
- Interactive tool for energy prices  
<http://ec.europa.eu/eurostat/cache/energy/prices/enprices.html>
- Energy data visualisations  
<http://ec.europa.eu/eurostat/web/energy/visualisations>