



*Use of Energy Community statistics  
From energy statistics to energy policies*

INOGATE Regional Seminar on Energy Planning

# *The Energy Community statistics*



*The Energy Community Treaty*

*Energy Community mission*

*Energy community objectives*

*The use of energy statistics for the formulation of policies and measures in the Energy Community*

# Energy Community Treaty



THE ENERGY COMMUNITY


LEGAL FRAMEWORK 2013  
3<sup>rd</sup> EDITION

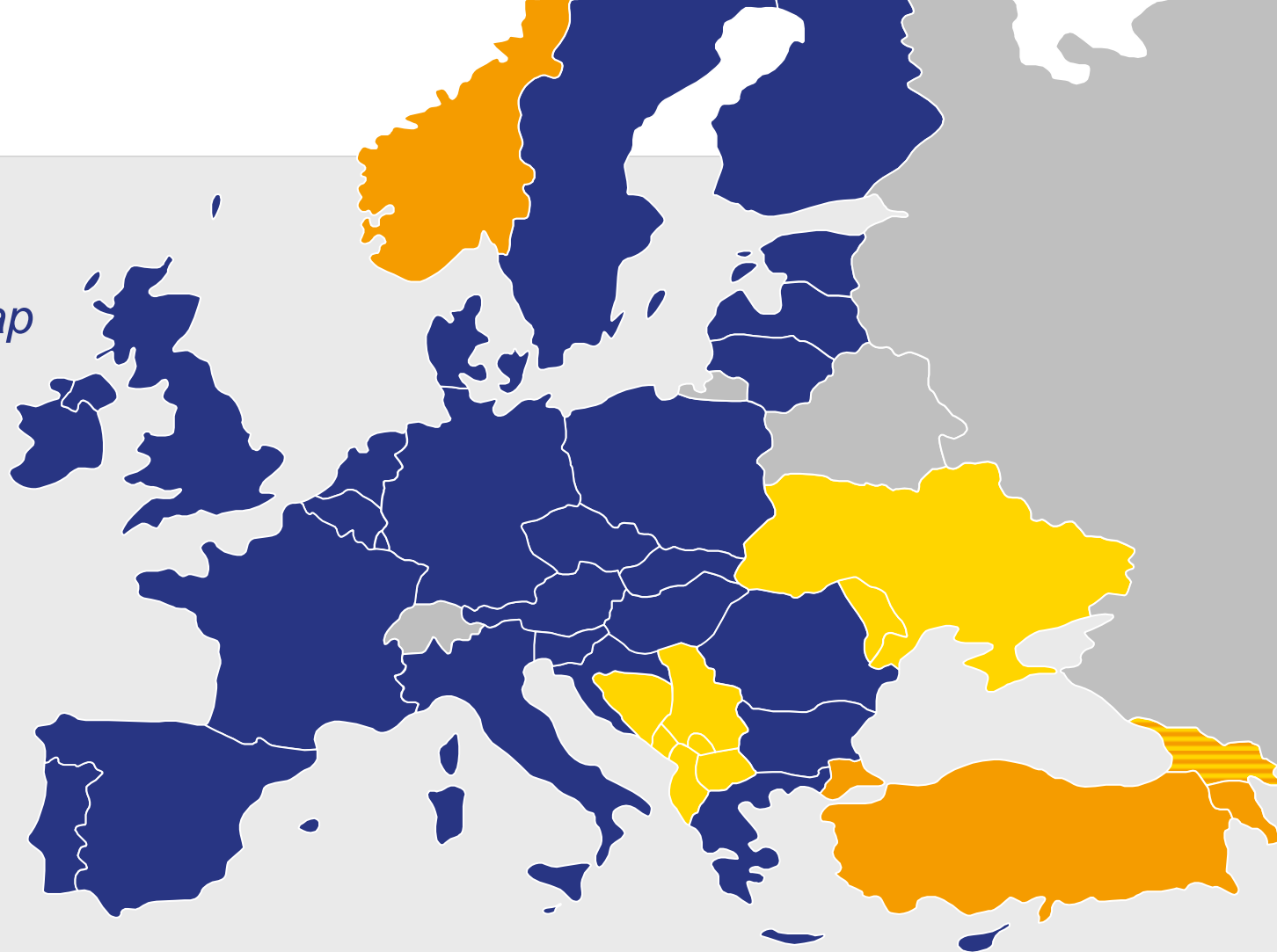


***Treaty signed 2005, ratified 2006***

- ✓ ***EU laws on internal market in electricity and gas***
- ✓ ***EU laws on security of electricity and gas supply***
- ✓ ***EU laws on environment protection***
- ✓ ***EU laws on renewable energies***
- ✓ ***EU laws on energy efficiency***
- ✓ ***EU laws on oil stocks***
- ✓ ***EU laws on energy statistics...***

# Energy Community Map

-  European Union
-  Contracting Parties
-  Candidate
-  Observers



# The Energy Community area of work



Gas



Electricity



Infrastructure



Renewable energy



Environment



Competition



Oil



Social



Statistics



Energy Efficiency



- Extends the EU internal energy market to South East Europe and beyond
- Provides a stable investment environment based on the rule of law
- Ties the Contracting Parties together with the European Union
- Contributes to security of supply in wider Europe
- Contributes to safer and cleaner energy

# Objectives of the Energy Community Treaty



For the Contracting Parties:

- Integrate national markets of network energy with the regional and European market
  - attract investments
  - enhance security of supply
  - increase competition at regional level
- improve environmental situation

INCREASED IMPORTANCE OF ENERGY STATISTICS AS A KEY PART OF THE RESPONSIBLE GOVERNANCE



# Key inter-related dimensions



Energy security



A fully integrated European energy market



Energy efficiency

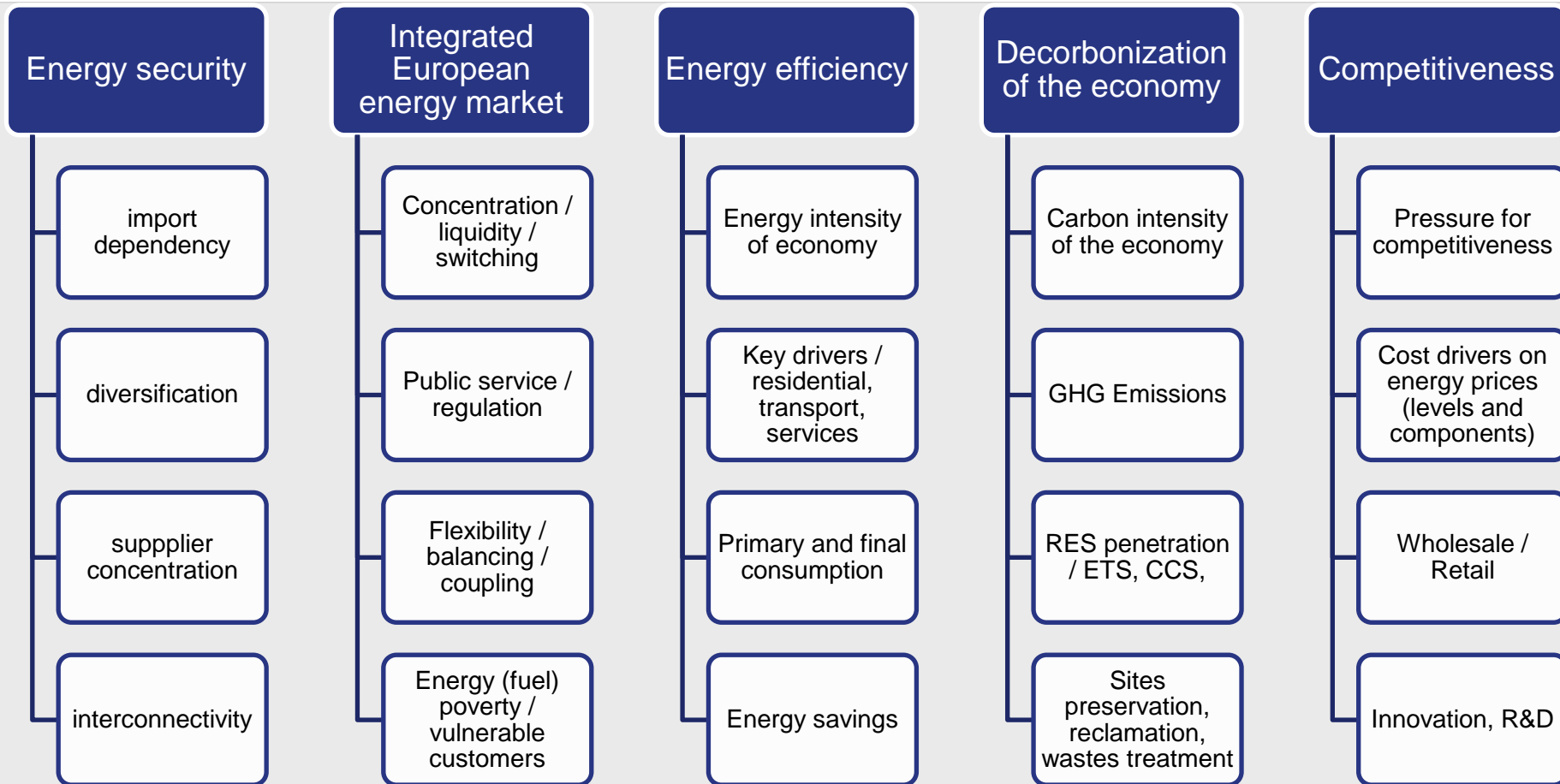


Decarbonization of the economy



Competitiveness / Innovation, research and development





## *Energy statistics: effective use of timely data*

### ***Data of the base case (business as now)***

- Indicates interdependencies
- Allows modelling and development of scenarios

### ***Statistics: produces information to:***

- ✓ ***Calculate indicators***
- ✓ ***Evaluate effectiveness of policies and measures***
- ✓ ***Indicate space for improvement***

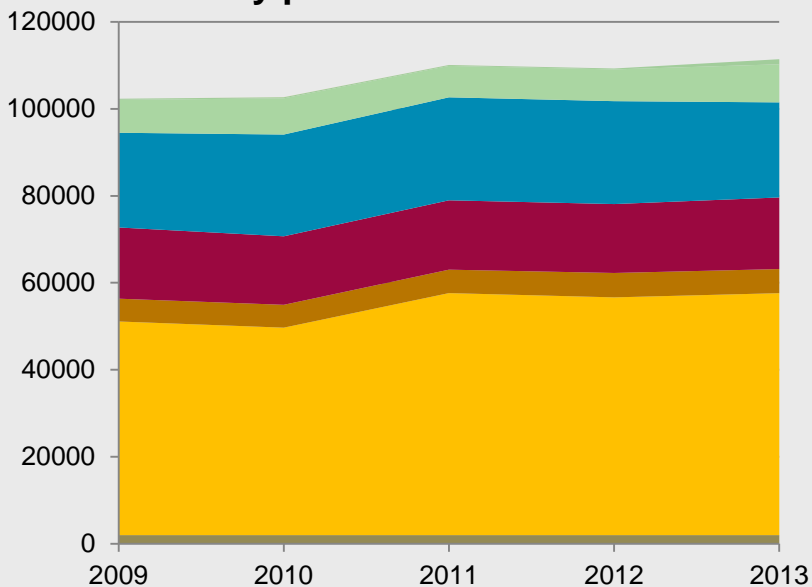
### ***Policy: establish objectives***

***Definition of measures***

***Definitions of indicators***

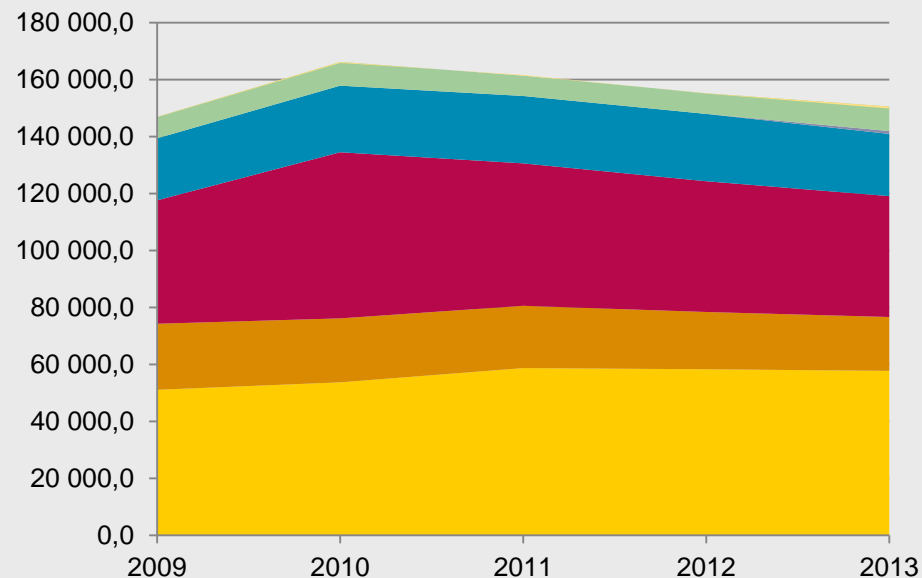
***Monitoring procedure***

## Primary production EnC in ktoe



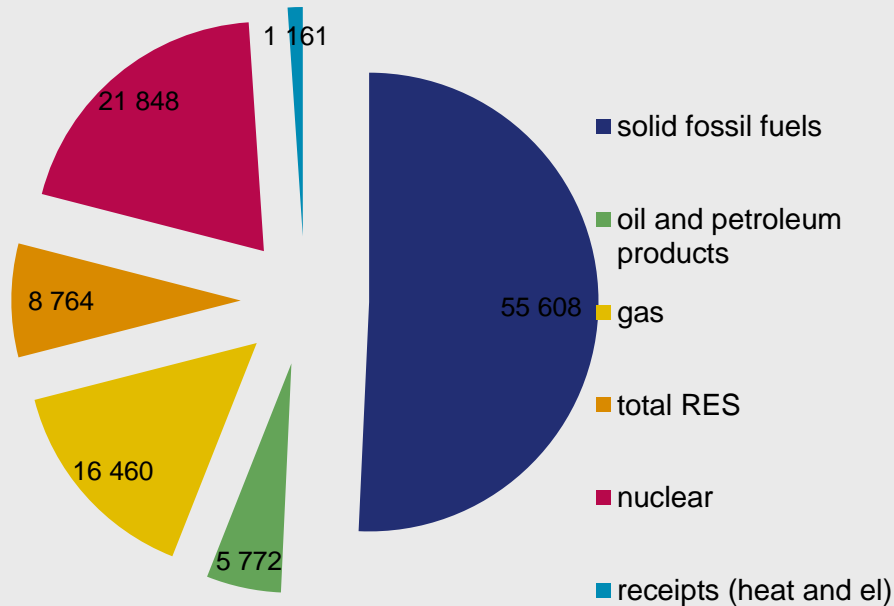
- Waste (non-renewable)
- Electrical energy and heat
- Renewable energy
- Nuclear heat
- Gas
- Total oil and petroleum products
- Solid fossil fuels

## Gross inland consumption EnC

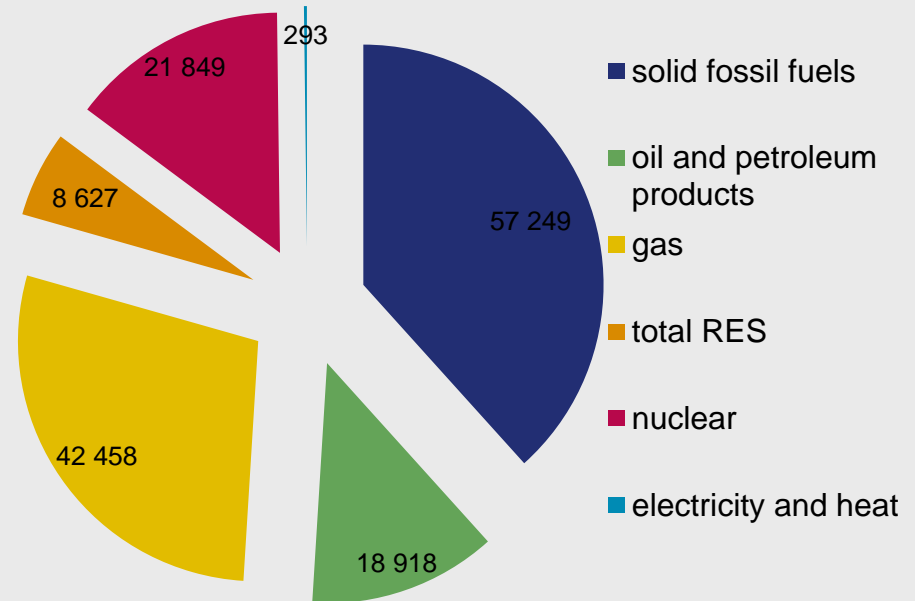


- Waste (non-renewable)
- Electrical energy
- Renewable energy
- Derived heat
- Nuclear heat
- Gas
- Total oil and petroleum products
- Solid fossil fuels

## Primary production and receipts in ktoe

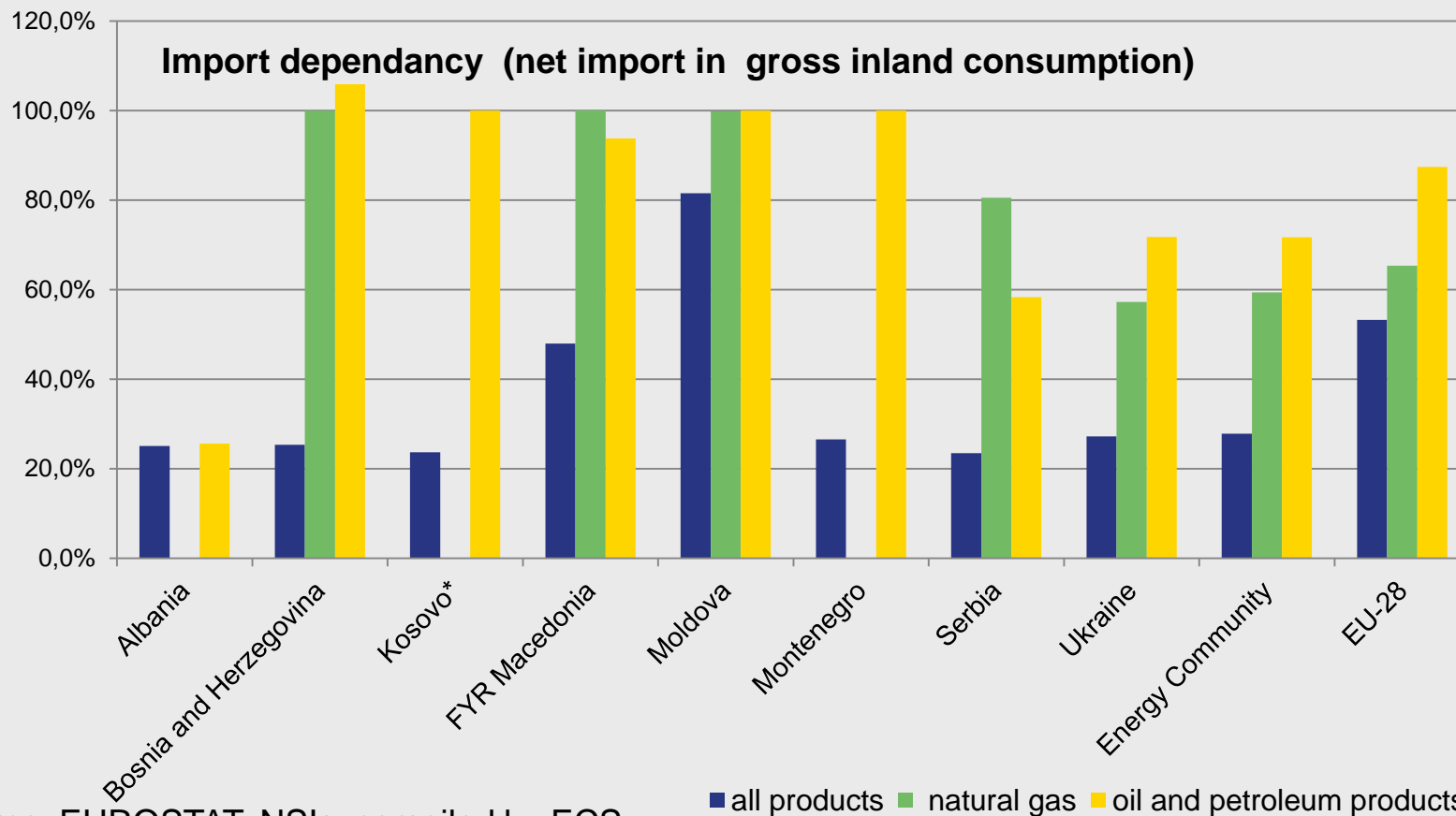


## Gross inland energy consumption in ktoe

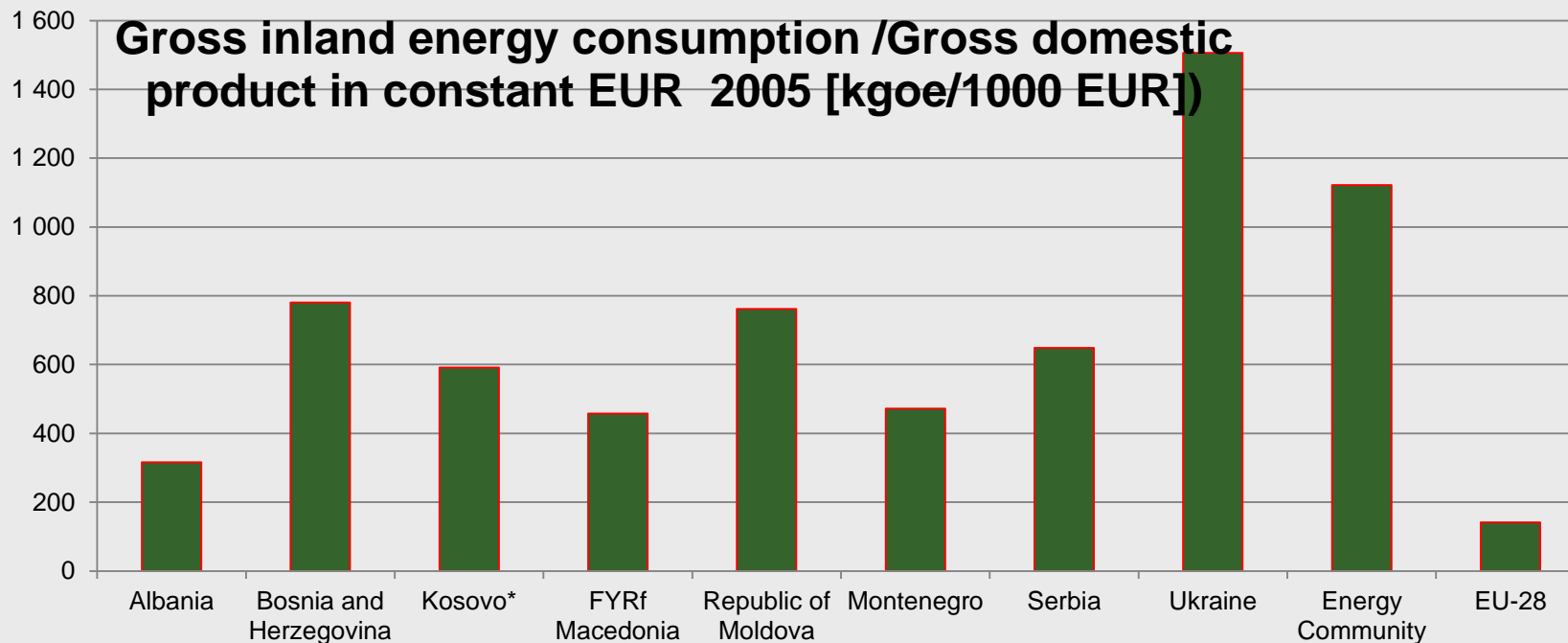


Source: EUROSTAT, NSIs, compiled by ECS

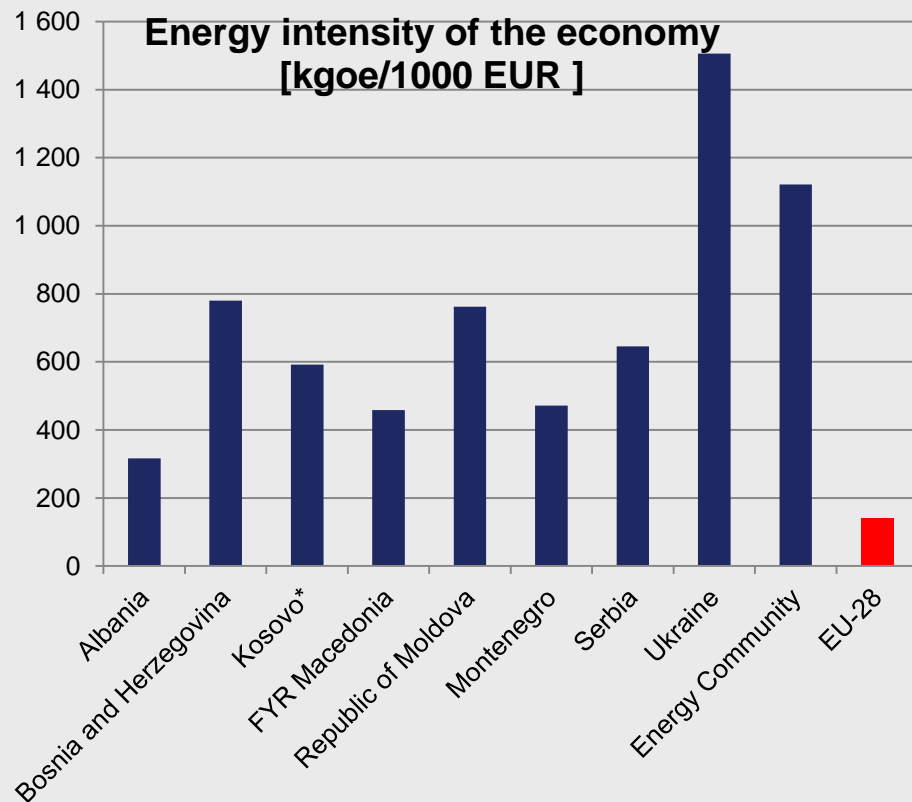
# Energy dependency on import (total, NG and oil)



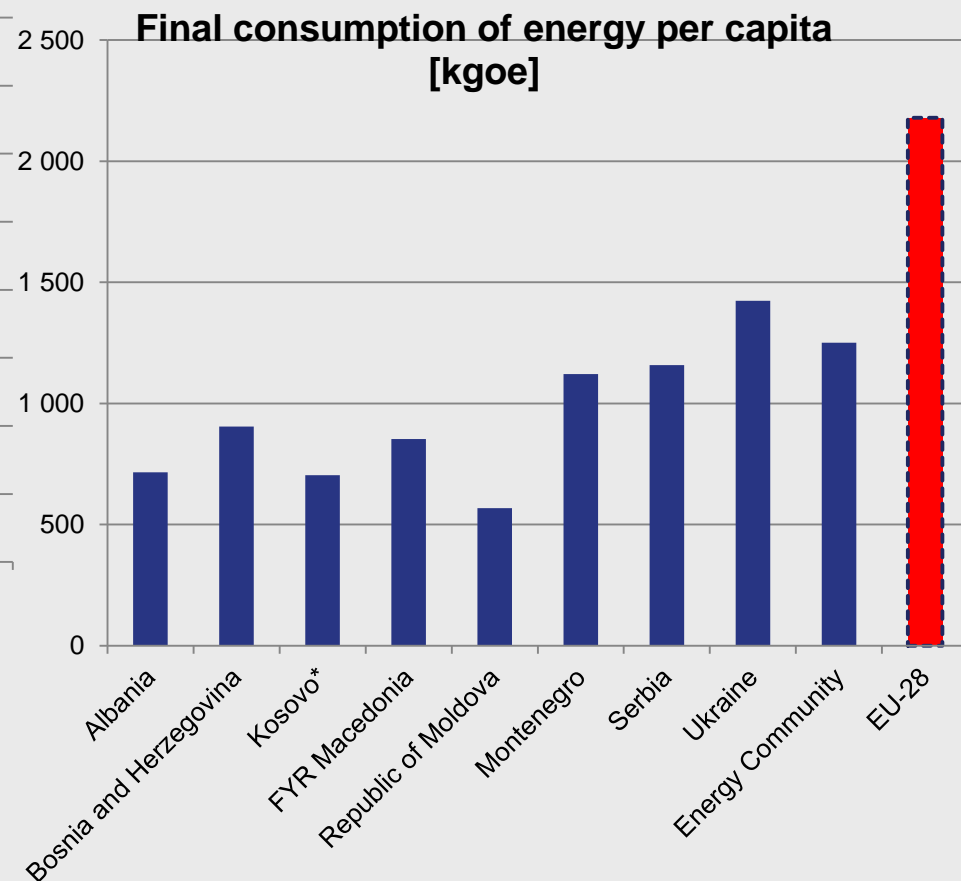
Source: EUROSTAT, NSIs, compiled by ECS



Source: EUROSTAT, NSIs, UN-SD, compiled by ECS

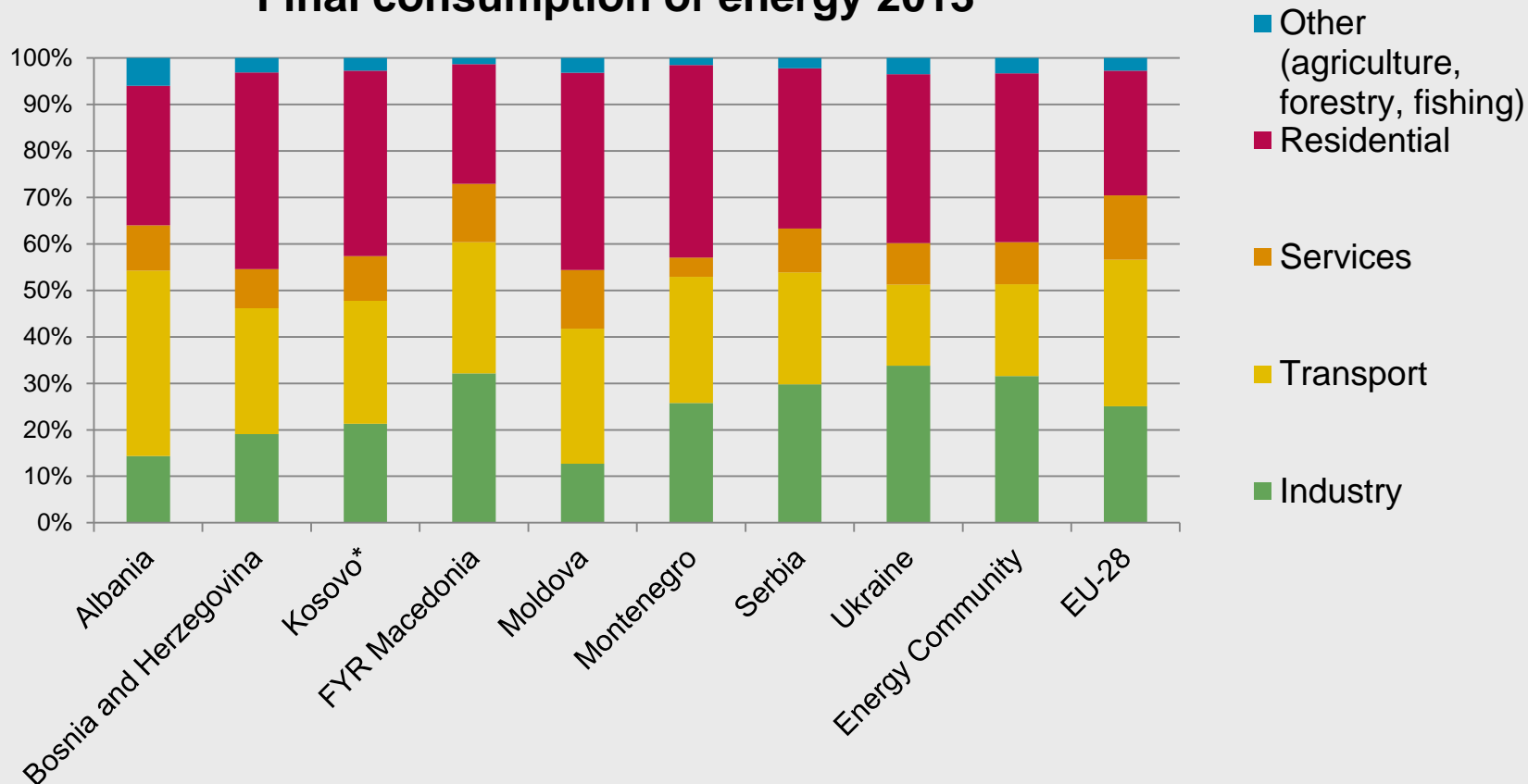


Source: EUROSTAT, NSIs, UN SD, compiled by ECS



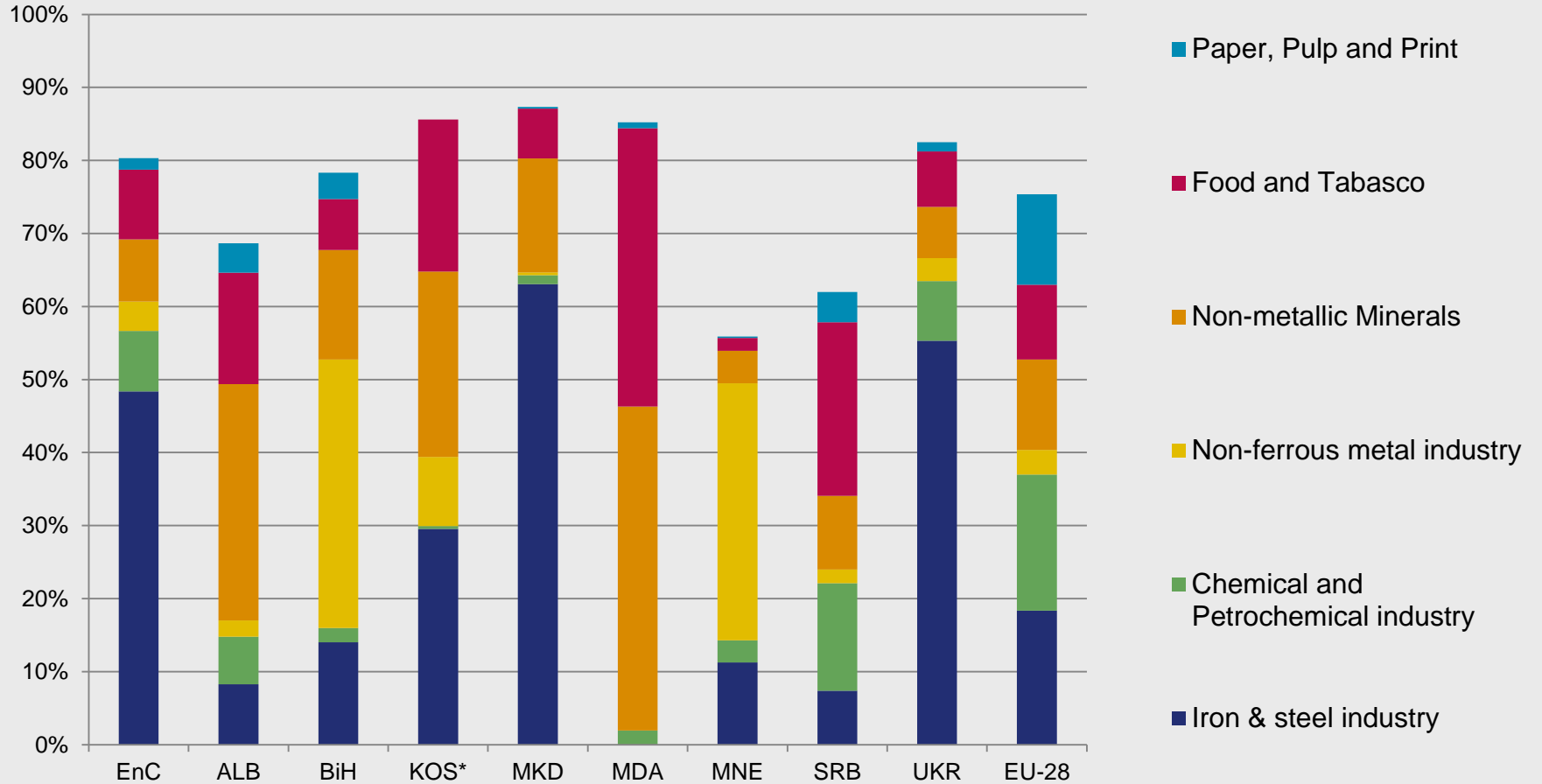


## Final consumption of energy 2013



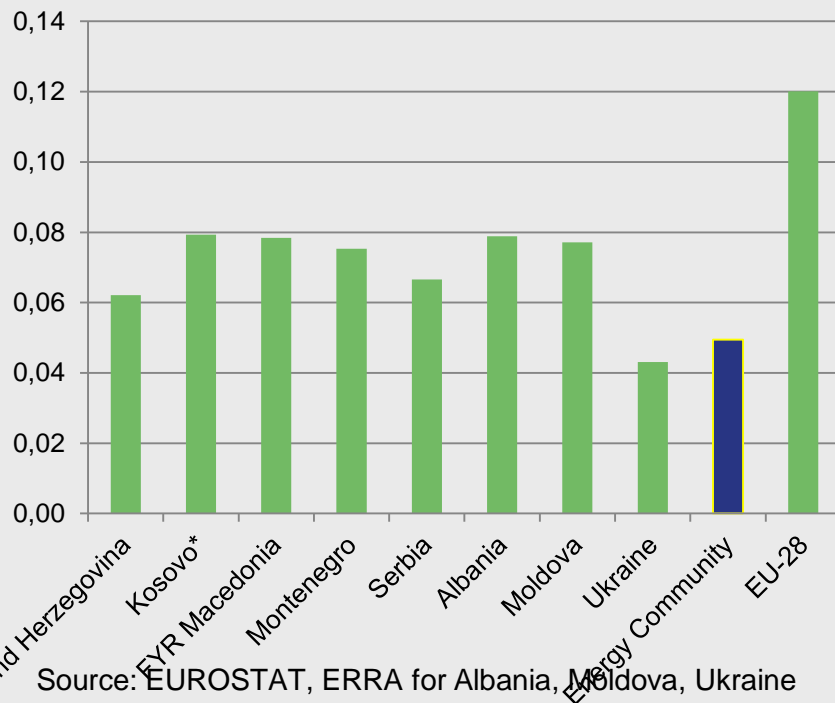
Source: EUROSTAT, NSIs, compiled by ECS

# What is in the industry breakdown?



# More information, better understanding

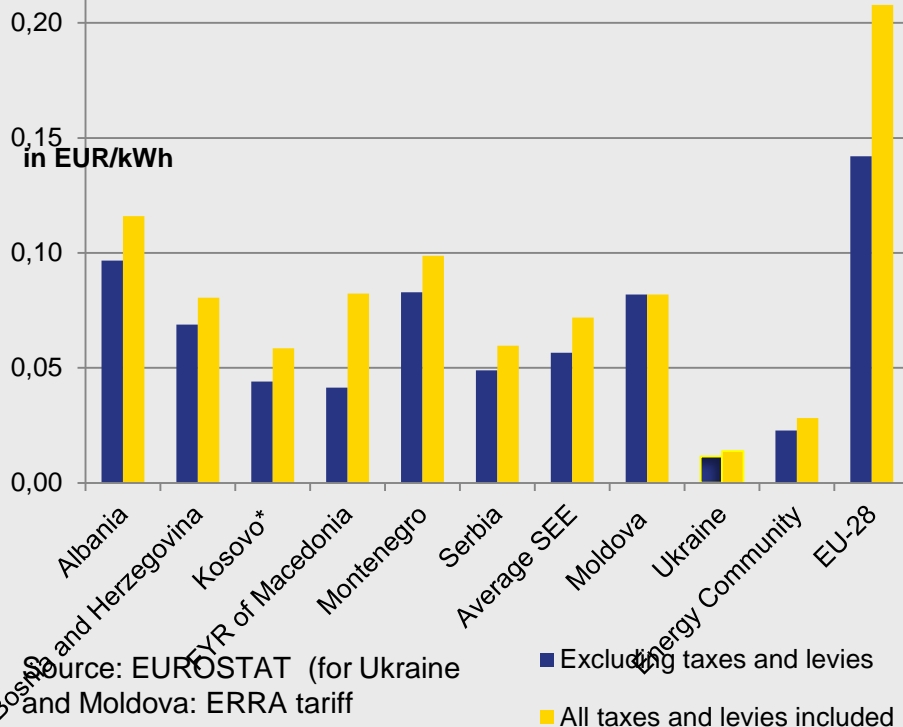
**Electricity prices for industrial consumer band IC for 2nd Semester 2014 in EUR/kWh**



Source: EUROSTAT, ERA for Albania, Moldova, Ukraine

Note: Albania, Moldova and Ukraine: total average

**Electricity prices for domestic consumers in II semester 2014**



Source: EUROSTAT (for Ukraine and Moldova: ERA tariff)

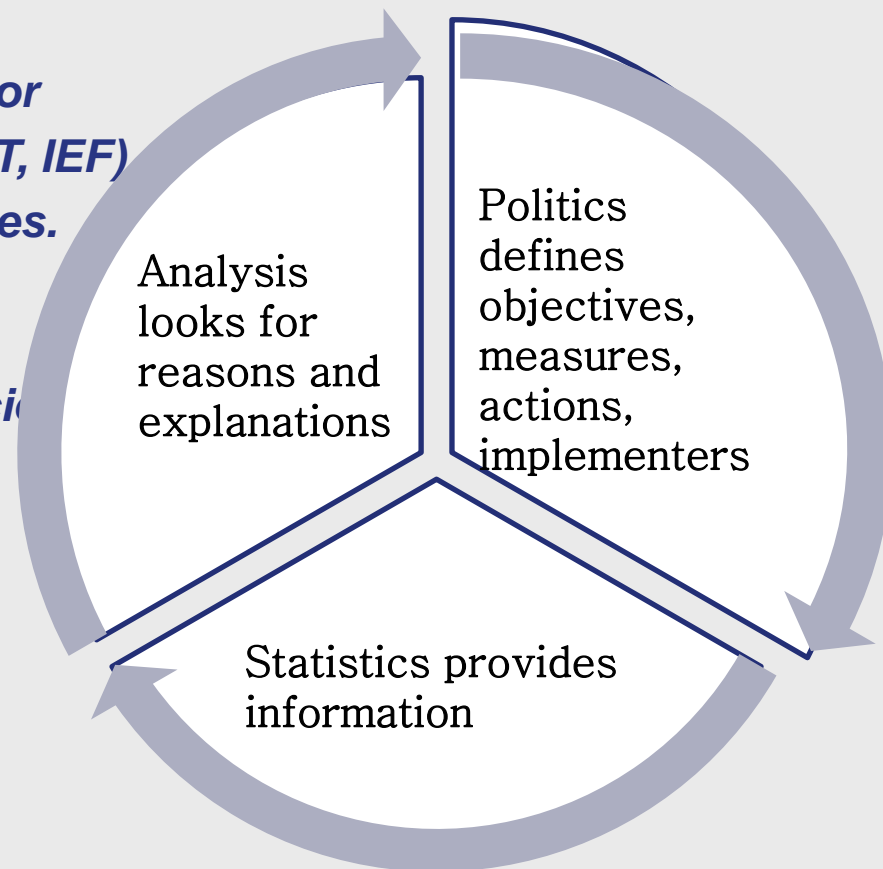
■ Excluding taxes and levies  
 ■ All taxes and levies included

- ✓ **Internationally agreed methodology for energy reporting (UN, IEA, EUROSTAT, IEF) to provide data input for global policies.**
- ✓ **EU statistics - for EU policies.**
- ✓ **National statistics – for national policies**

## **New challenges**

**New objectives, new policy,**

***New data requirements.....***





*Thank you!*

[www.energy-community.org](http://www.energy-community.org)