*Mayors' Geothermal Club Conference*

# The Energy Union Implementation

**Pietro Menna**

**European Commission**

**DG Energy**

**Budapest, 8 Oct 2015**

# The Energy Union

*« I want to reform and reorganise Europe's energy policy in a new European Energy Union. »*

**Jean Claude Juncker**

## Energy Union Strategy

**5** GUIDING DIMENSIONS

**15** CONCRETE ACTIONS

**43** INITIATIVES

*Source: Directorate-General for Energy*

# 2030 Framework for Climate and Energy*

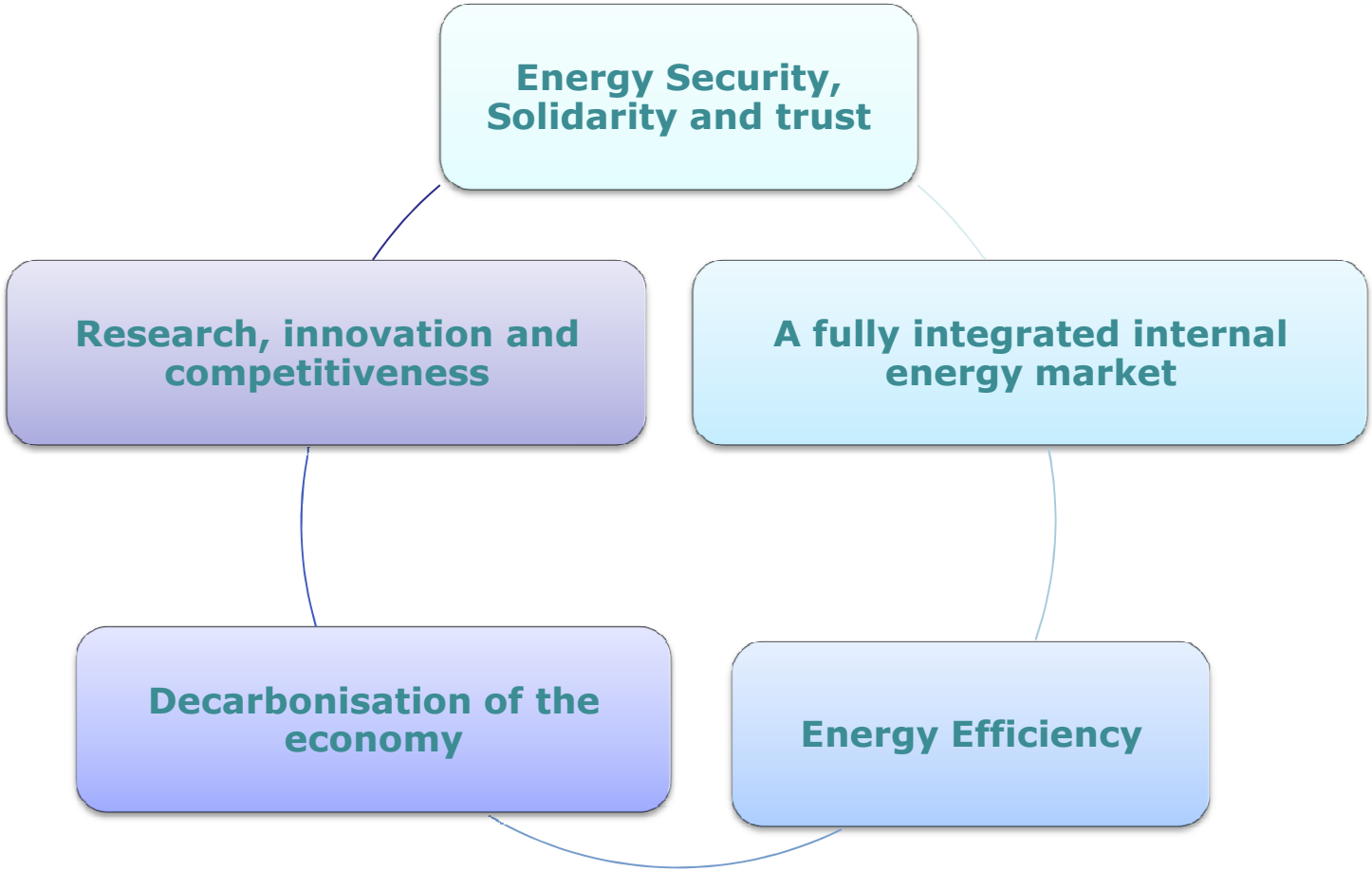
| | | | | |
|---|---|---|---|---|
| 2020 | -20 % GHGs Emissions | 20% Renewable Energy | 20 % Energy Efficiency | 10 % Interconnection |
| 2030 | ≥ - 40 % GHGs Emissions | ≥27 % Renewable Energy | ≥ 27%** Energy Efficiency | 15 % Interconnection |

** To be reviewed by 2020, having in mind an EU level of 30%

**New governance system + indicators**

*European Council Conclusions , 23 and 24 Oct 2014, EUCO 169/14

# Five mutually supportive and interlinked dimensions




*Source: Directorate-General for Energy*

# Energy Security, solidarity and trust

## Diversify sources, suppliers and routes

**Security of gas supply**

**EU Energy and climate policy diplomacy**

**Comprehensive LNG strategy**

**Intergovernmental Agreements**

**Southern Gas Corridor & Mediterranean**

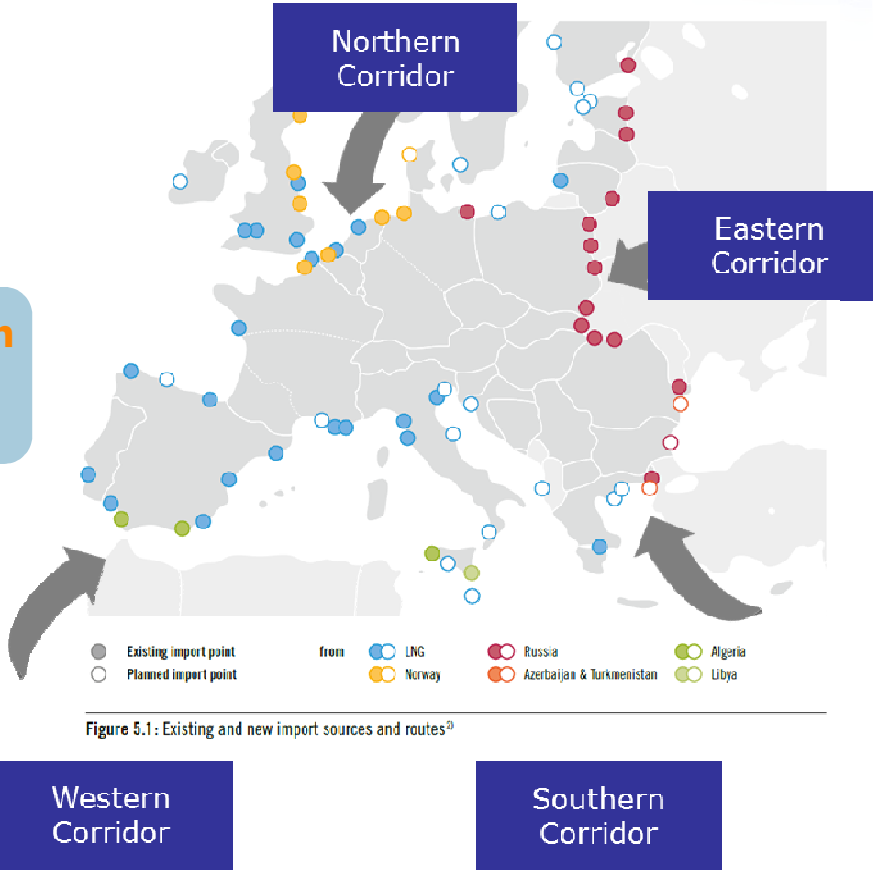



Figure 5.1: Existing and new import sources and routes[2]

*Source: Directorate-General for Energy*

# A fully-integrated internal energy market

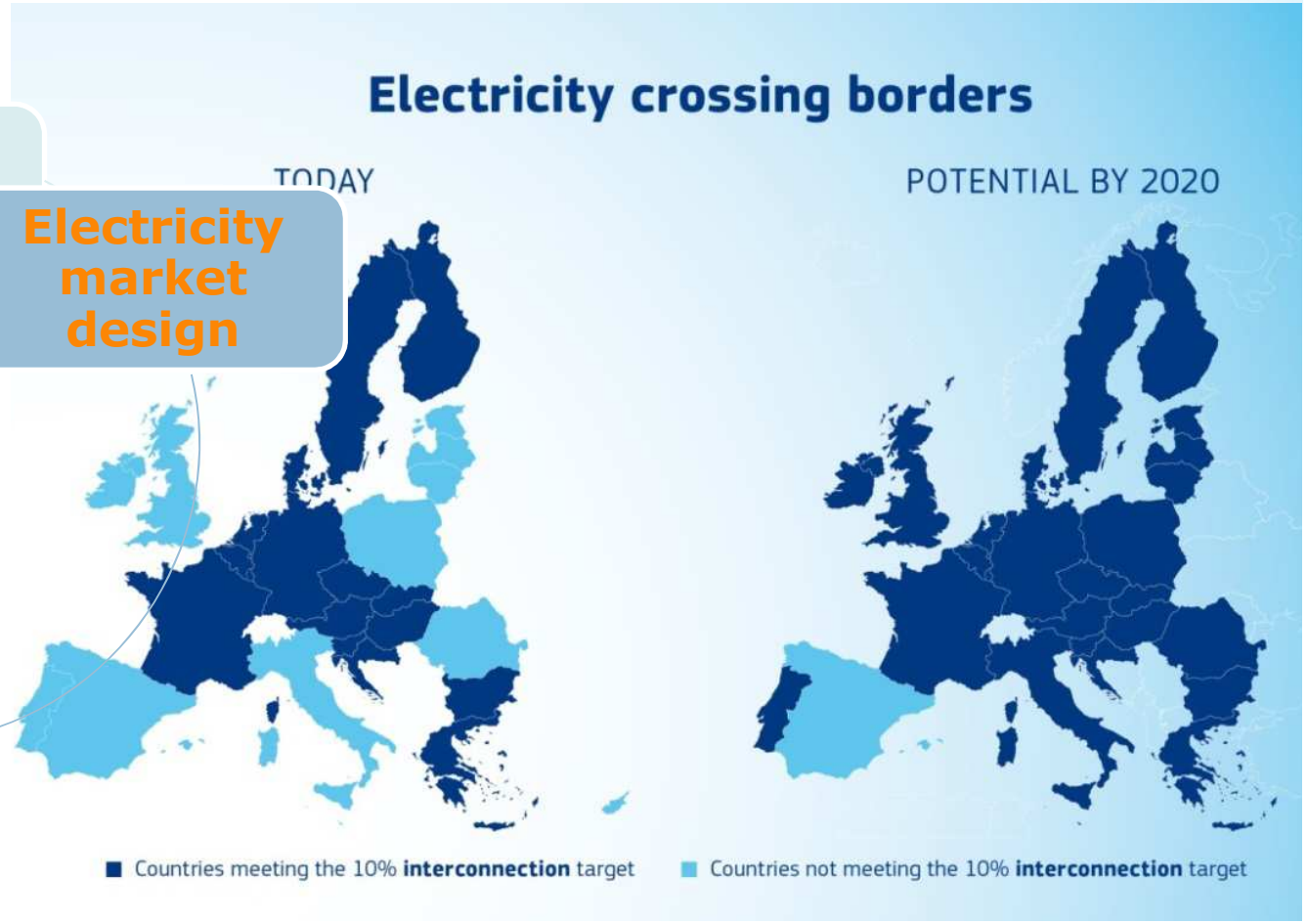
## Connecting markets and upgrading their software

Infrastructures (PCIs)

Electricity market design

Energy prices & costs

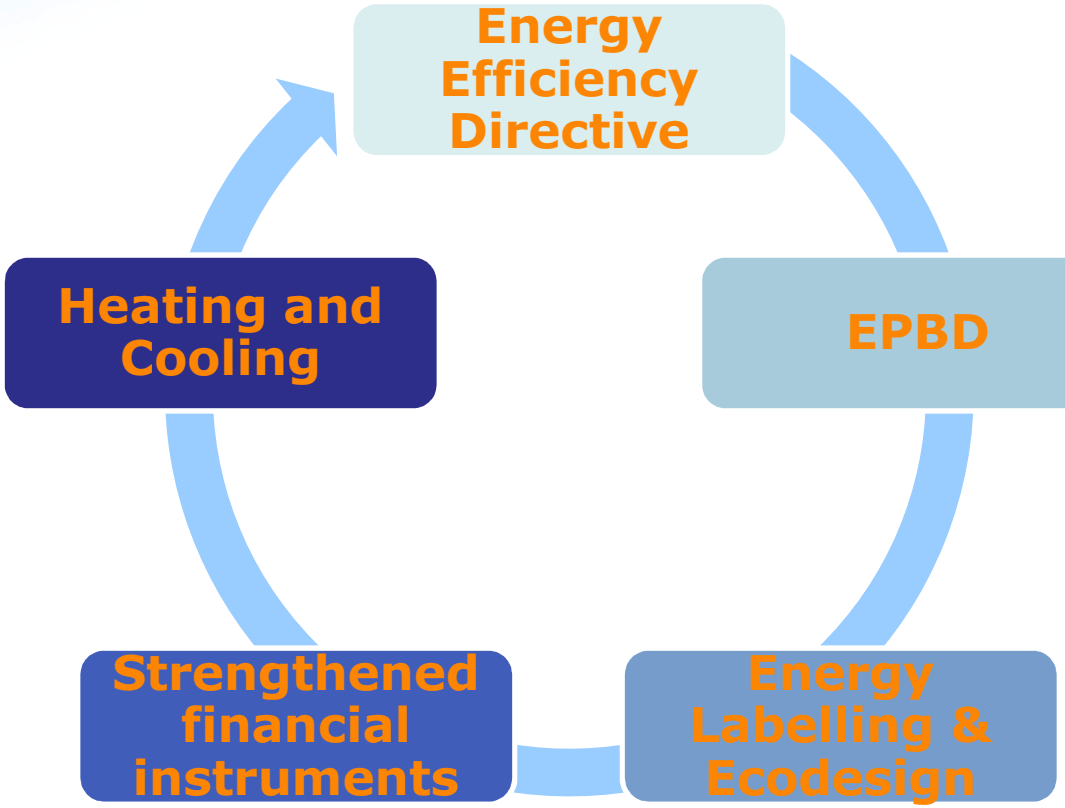
Regional cooperation

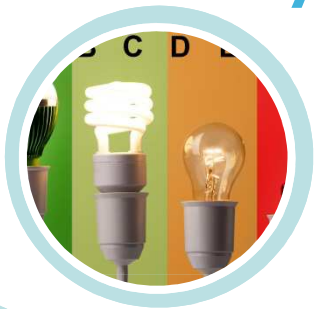



*Source: Directorate-General for Energy*

# Energy efficiency

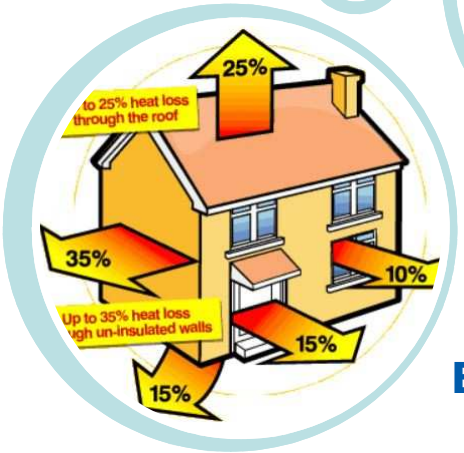
## Meeting the 2030 target and "energy efficiency first"




Products

Transport

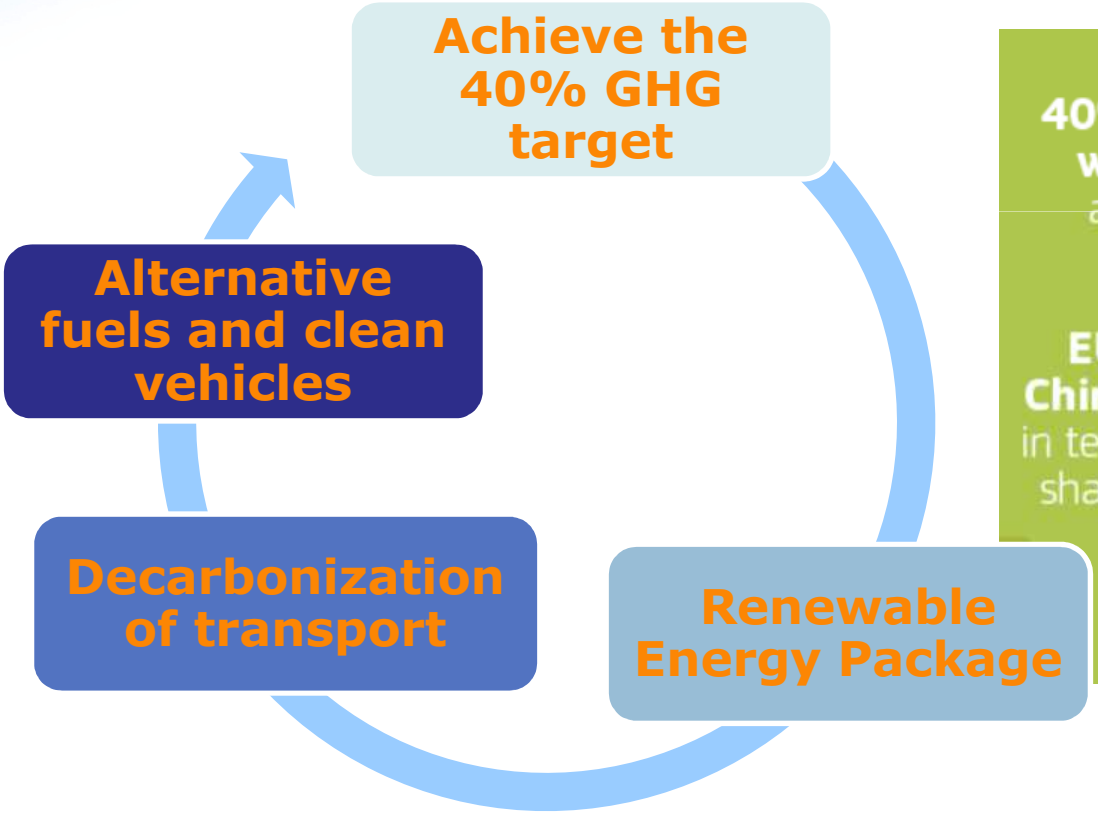



Buildings

*Source: Directorate-General for Energy*

# Decarbonisation of the Economy

## Meeting 2030 targets and COP21




**40%** of the world's **wind turbines** are built by EU companies

**EU is ahead of China and the USA** in terms of renewable share in total power generation

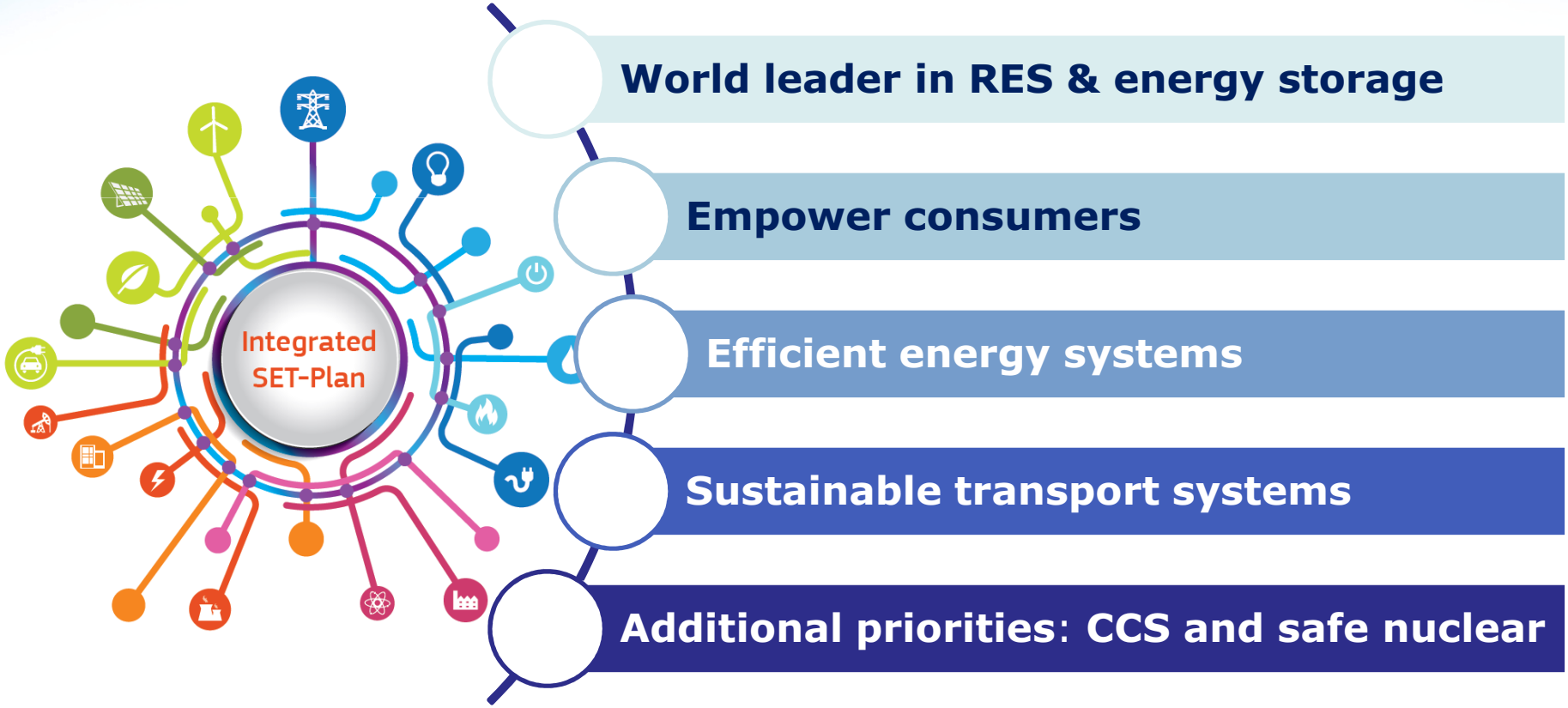
**40%** of world's **patents** are held by EU companies

**EU has 3 times more renewable power** per capita than the rest of the world put together

*Source: Directorate-General for Energy*

# Research, innovation and competitiveness

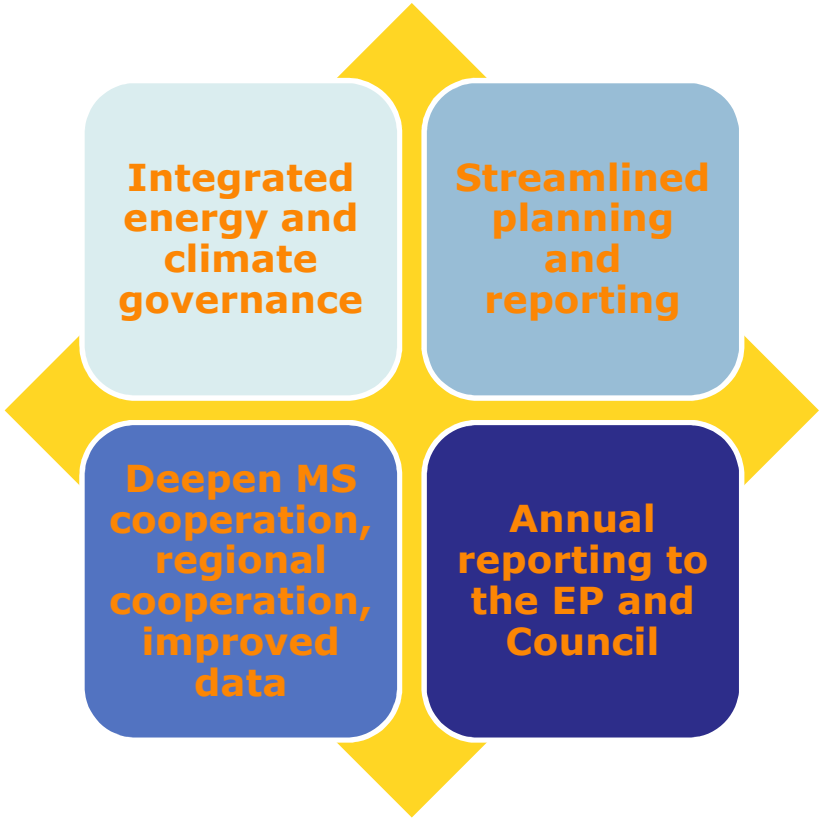
## How to maintain global leadership?




*Source: Directorate-General for Energy*

# Delivering the Energy Union:

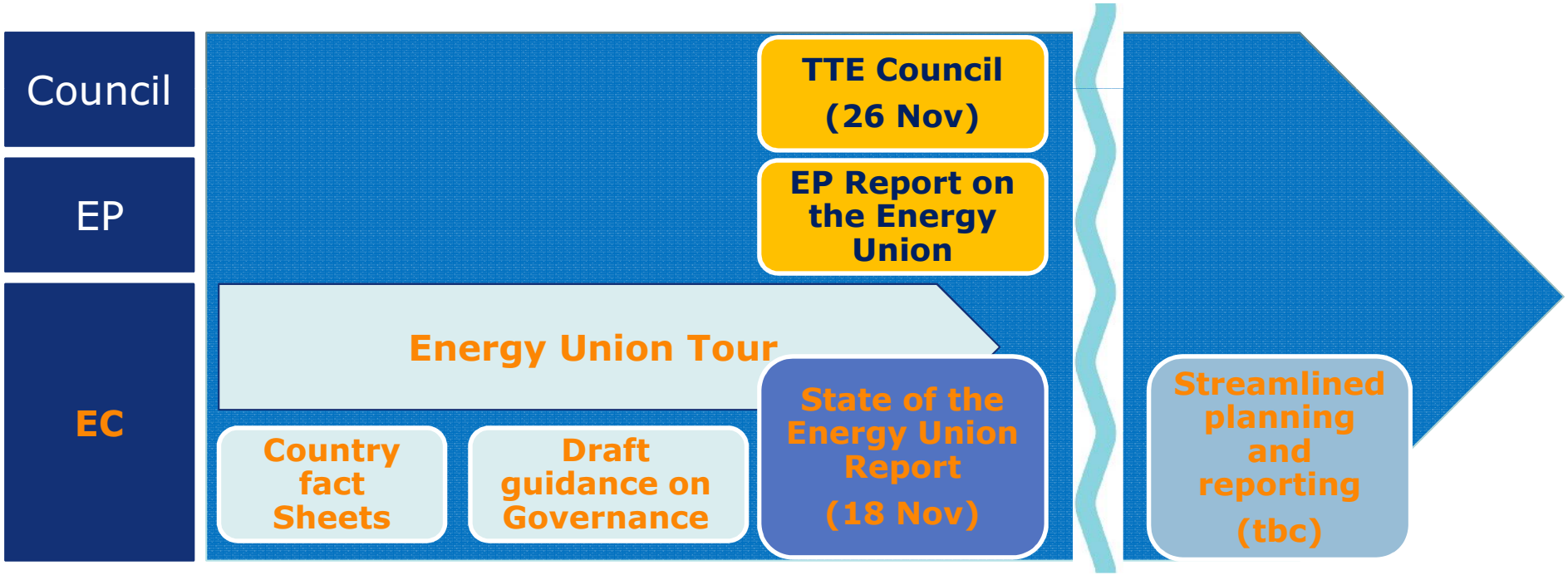
## A dynamic governance




*Source: Directorate-General for Energy*

# Delivering the Energy Union

## Governance process (May-Nov 2015)




*Source: Directorate-General for Energy*

# Implementation July/Sept 2015

## Summer Package (adopted on 15 July 2015):

- **Market Design Communication**: A consultative communication in view of a **revision of electricity legislation in 2016**
- **New Deal for energy consumers**: A communication on retail market accompanied by a Staff working Document on renewable energy self-consumption
- Legal proposal for the **review of the Energy Labelling Directive** and the report on this issue
- Legal proposal for the **review of the Emissions Trading Directive**

## Integrated Strategic Energy Technology (SET) Plan (Adopted on 15 September 2015

- SET Plan proposes **10 focused research and innovation actions** to accelerate the energy system's transformation

*Source: Directorate-General for Energy*

# Implementation

## Winter Package (planned for Jan 2016)

- Revision of **regulation on security of gas supply** including the **communication on LNG and storage** strategy
- Review of the decision on information exchange for **Intergovernmental Agreements** on energy
- Strategy for **Heating and cooling** as a contribution to the 2030 Framework
- Communication on the **nuclear illustrative programme** (PINC)

## Legislative initiatives (planned for 2016)

- Review of the **Energy Efficiency and Energy Performance of Buildings Directives**, new **Renewable Energy Directive**, **Market Design**

*Source: Directorate-General for Energy*

# #EnergyUnion
# @Energy4Europe

**Our core values** – excellence, transparency, integrity

*Source: Directorate-General for Energy*