



# Új energiahatékonysági irányelv

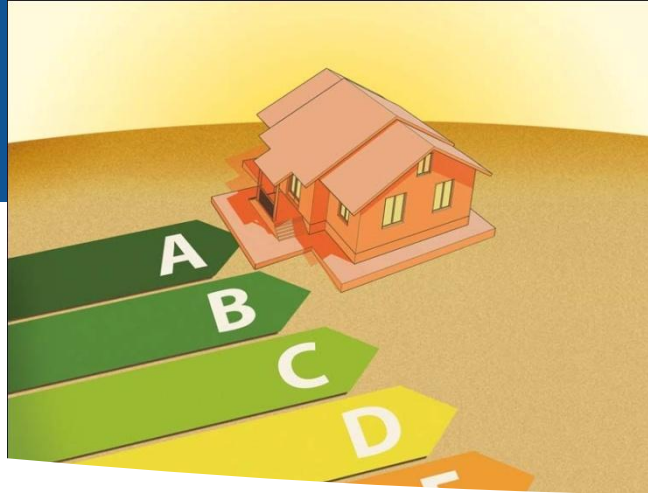
## **PRO-ENERGIA Alapívány**

**2012 ÁPRILIS 12, BUDAPEST**

**Hoós Éva**

**DG ENER C.3 Energy Efficiency &  
Intelligent Energy**

**European Commission**



# Új energiahatékonysági irányelv

- cél és tárgy
- főbb elemek

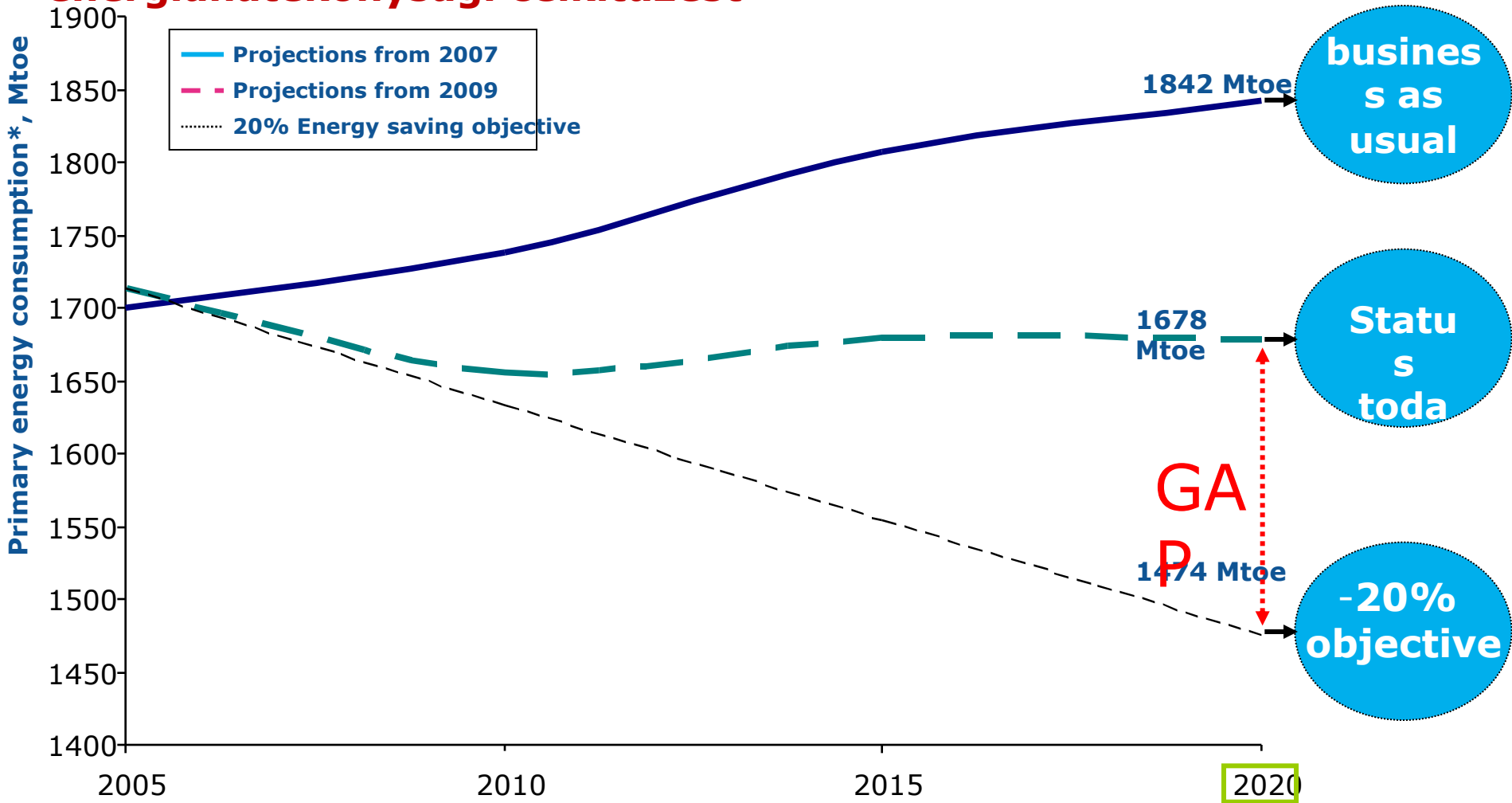
Directorate-General  
for Energy



Unit C.3 (Energy efficiency & Intelligent energy)  
DG Energy. European Commission



# A jelenlegi előrejelzés szerint az EU nem fogja teljesíteni az energiahatékonysági célkitűzést



\*Gross inland consumption minus non-energy uses

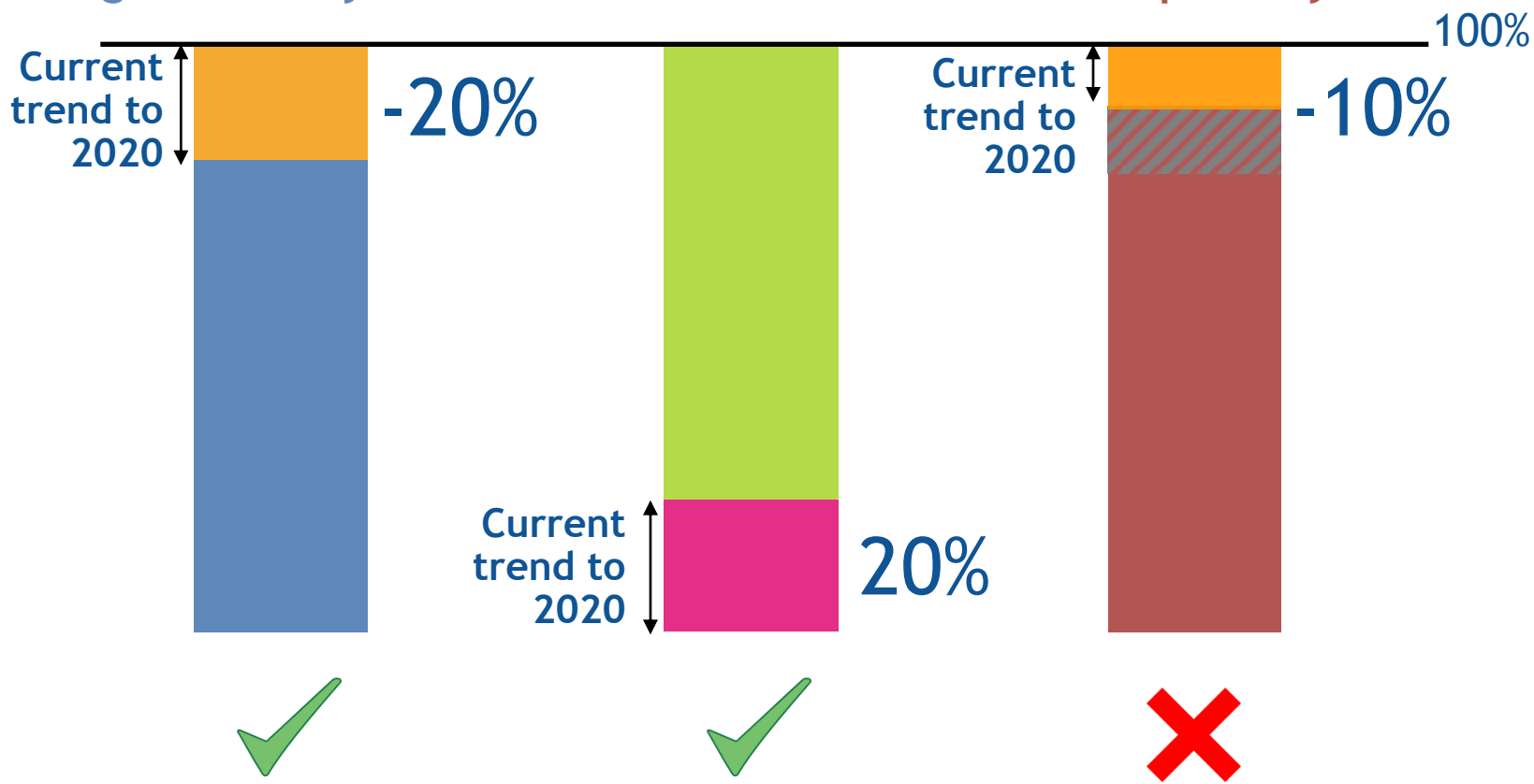


# Sürgősen cselekedni kell annak érdekében hogy mindhárom célkitűzés teljesüljön

Reduce greenhouse gas levels by 20%

Increase share of renewables to 20%

Reduce energy consumption by 20%





European  
Commission

# Az energiainporttól való függőség folyamatosan nő

« Business as usual » scenario based on 2009 figures

OIL

GAS

in %

2005

2008

2020

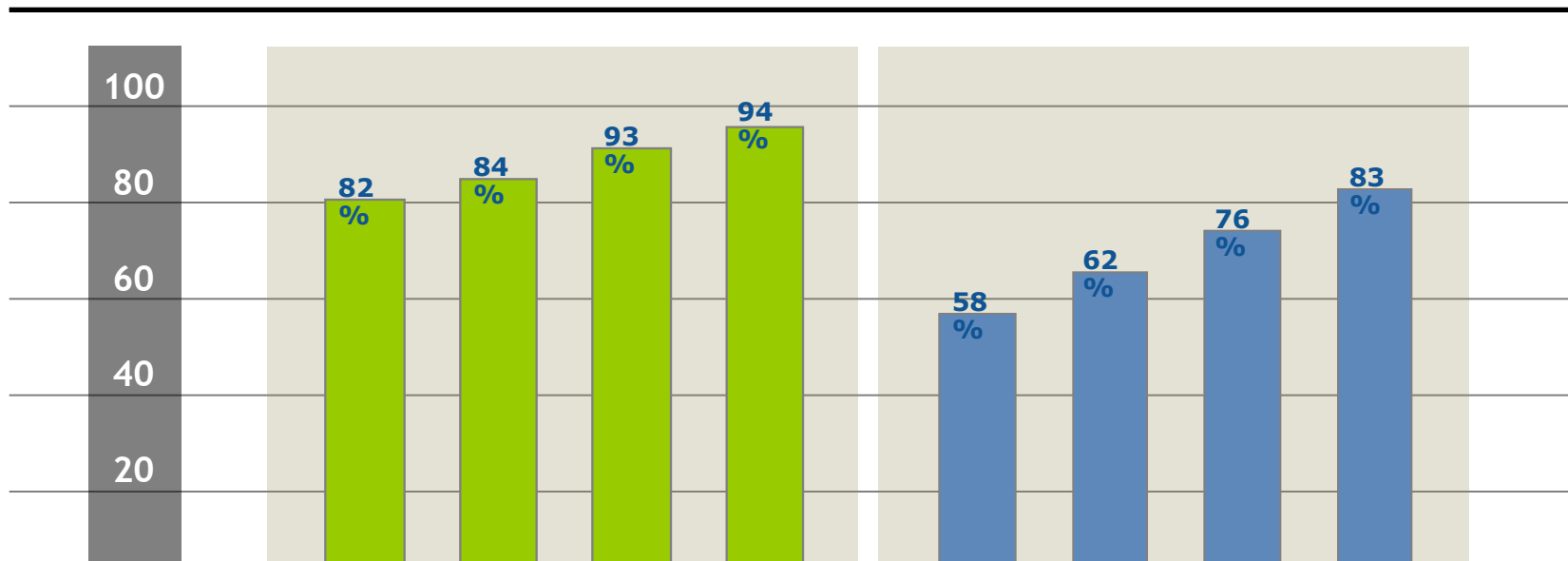
2030

2005

2008

2020

2030

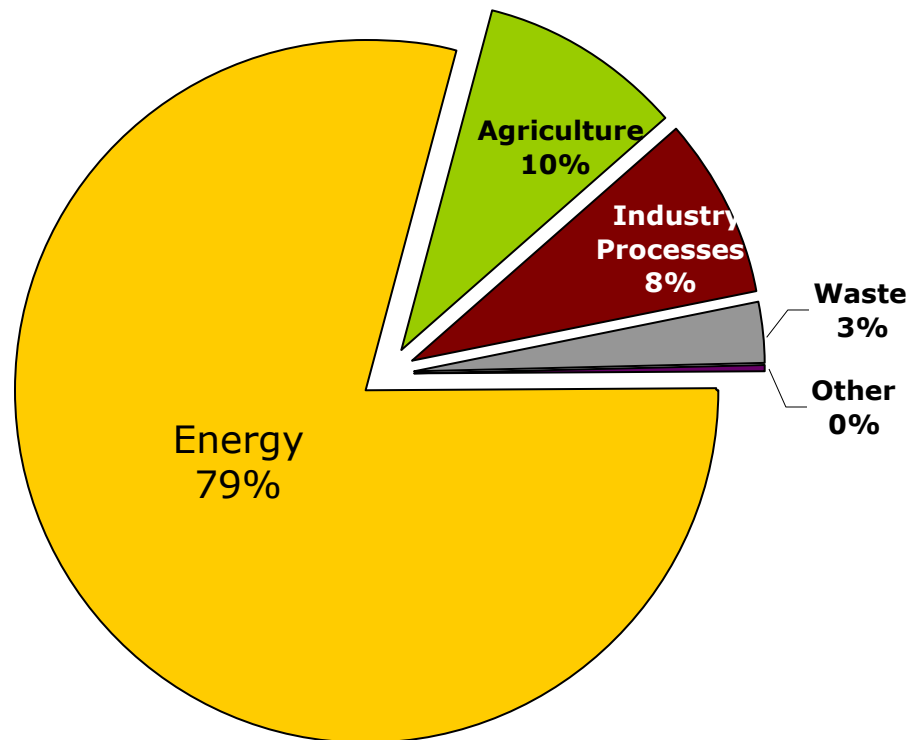


**Today, Europe imports more than half of the energy it uses. If nothing changes, our dependence on fossil fuel imports will rise by 2030.**

Source: European Commission

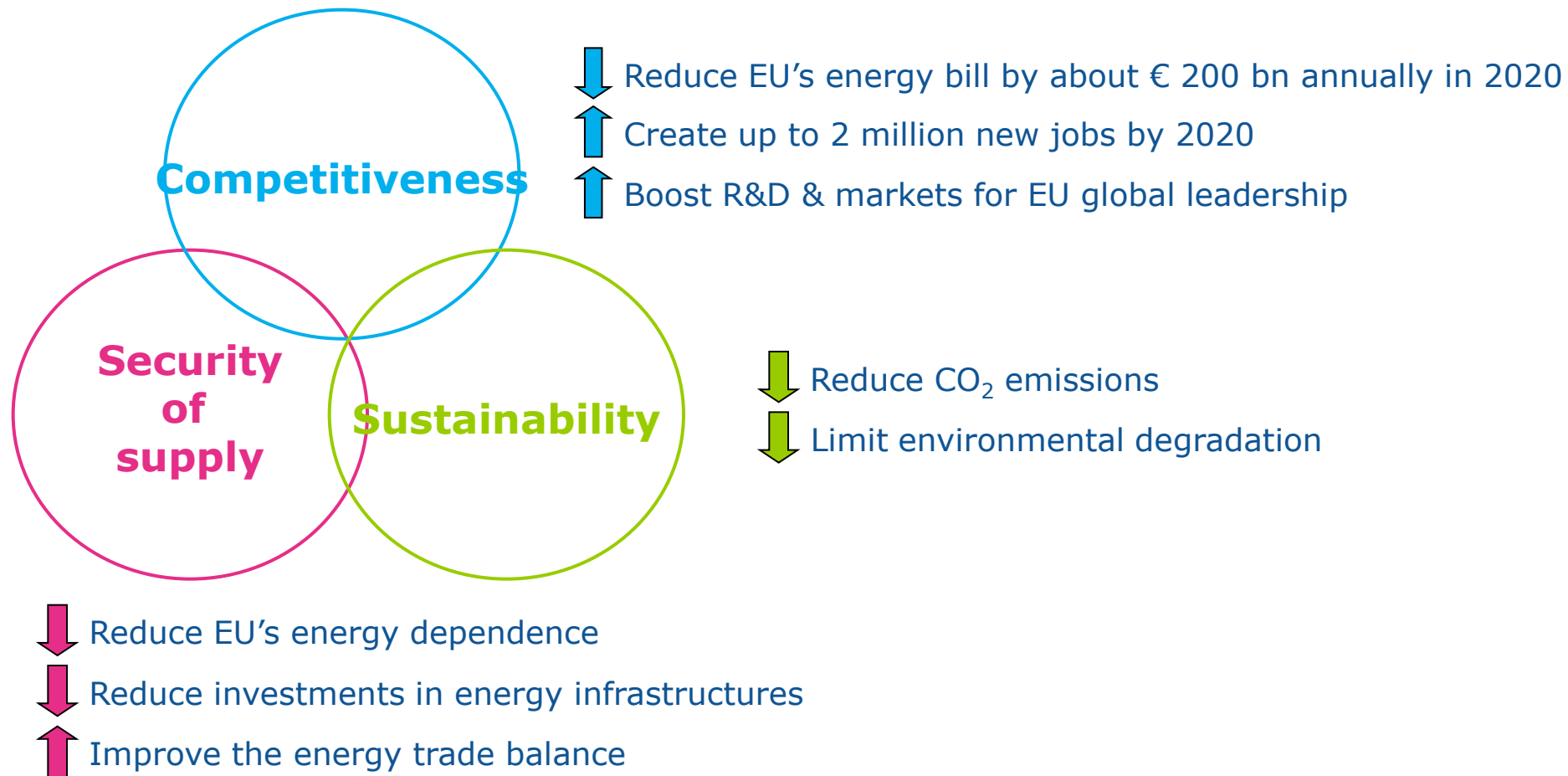
## Az energiaszektor a kibocsátások legfőbb forrása

Üvegházhatású  
gázok részaránya  
2008-ban



The use of energy is responsible for the majority of greenhouse gas emissions, with the energy sector representing 31%, transport 19%, industry 13%, households 9% and others 7%.

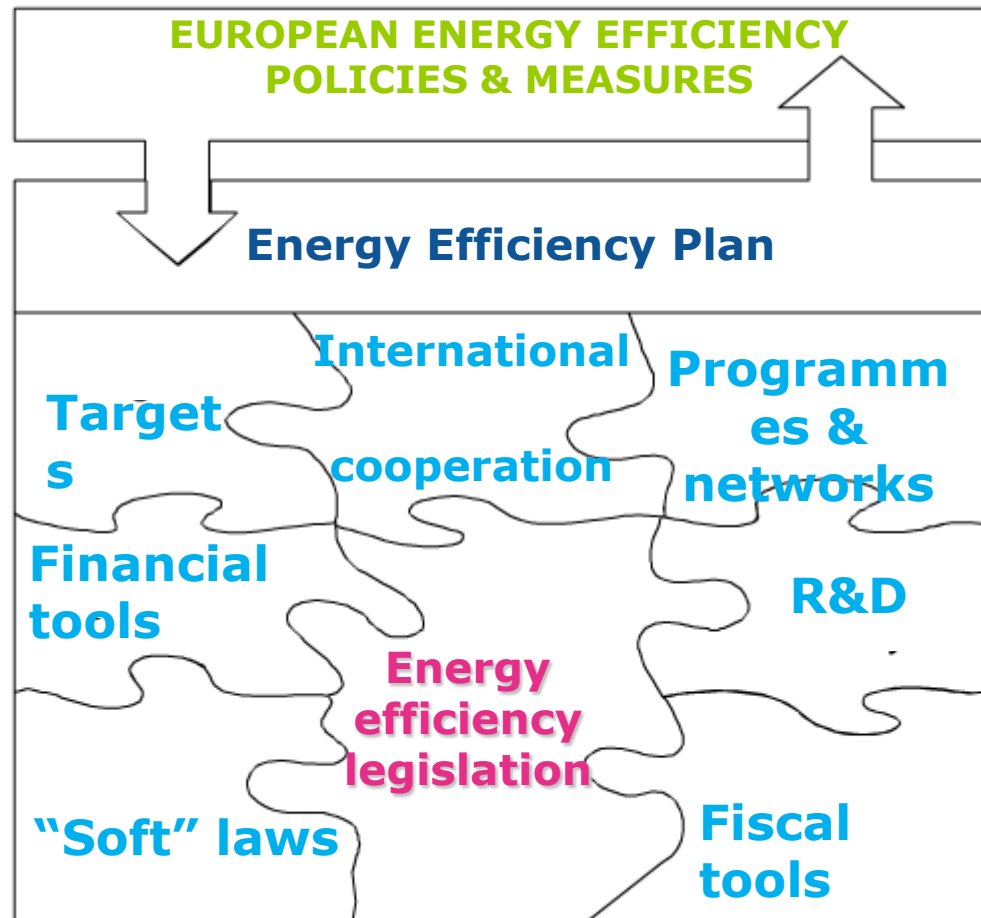
## Az energiahatékonyság központi szerepe ...





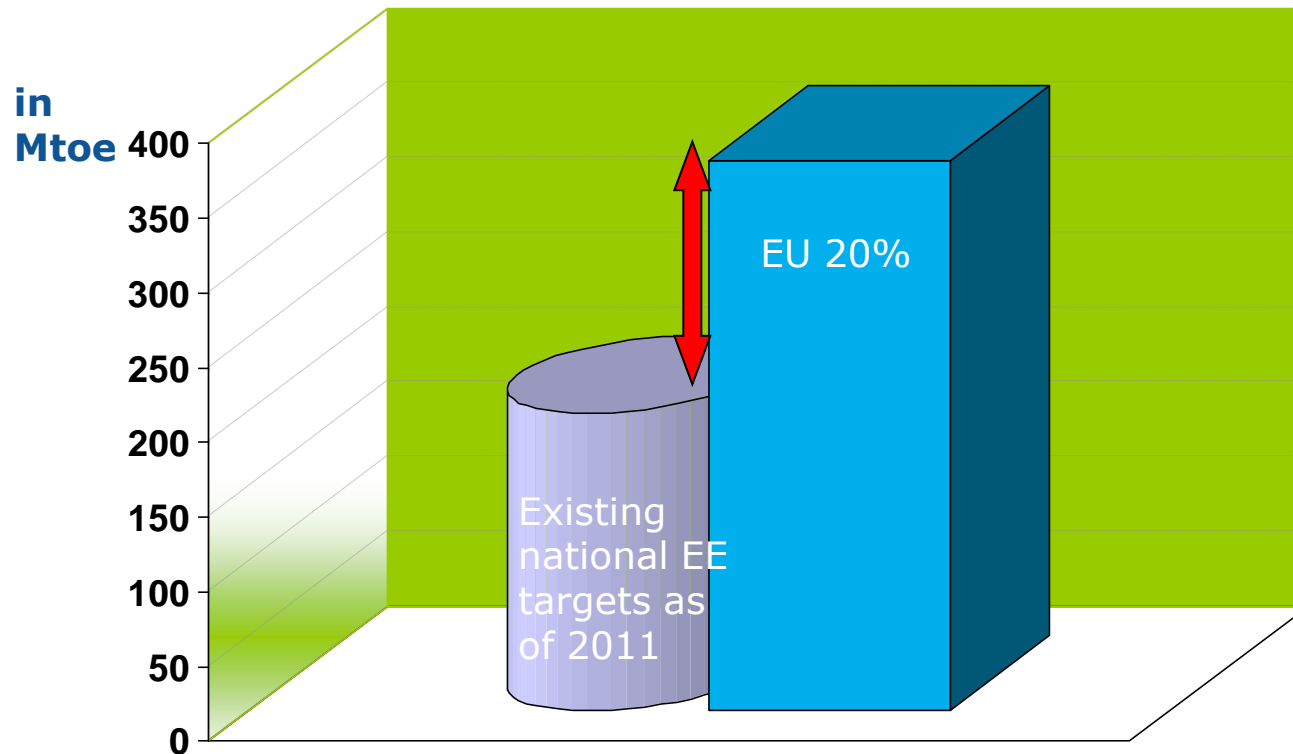
European  
Commission

## Átfogó energiahatékonysági keret EU-s szinten

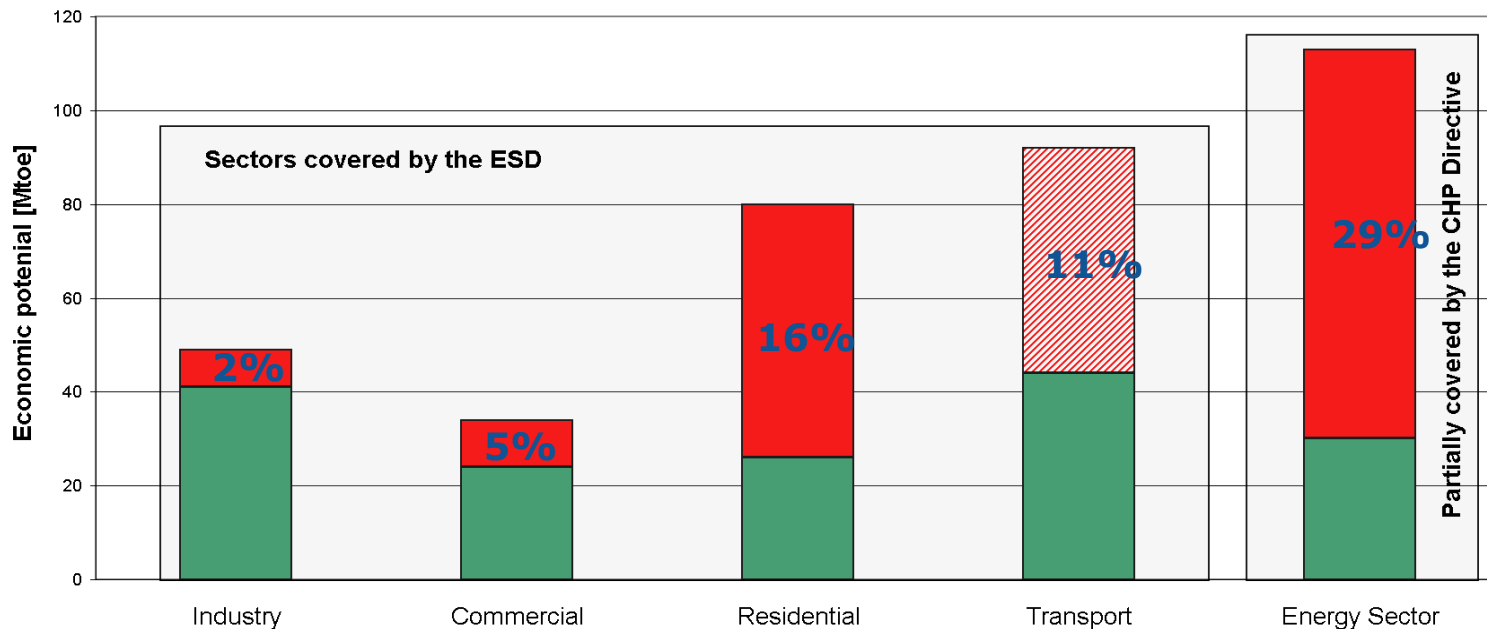
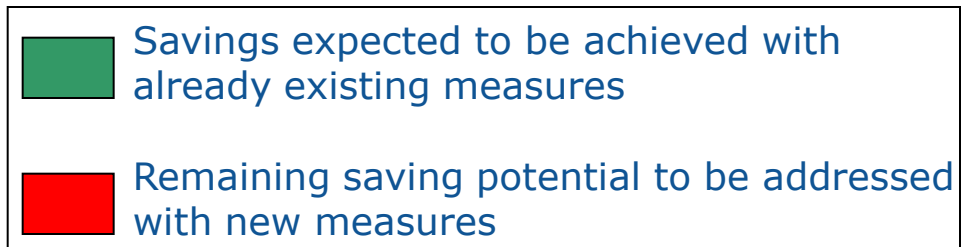




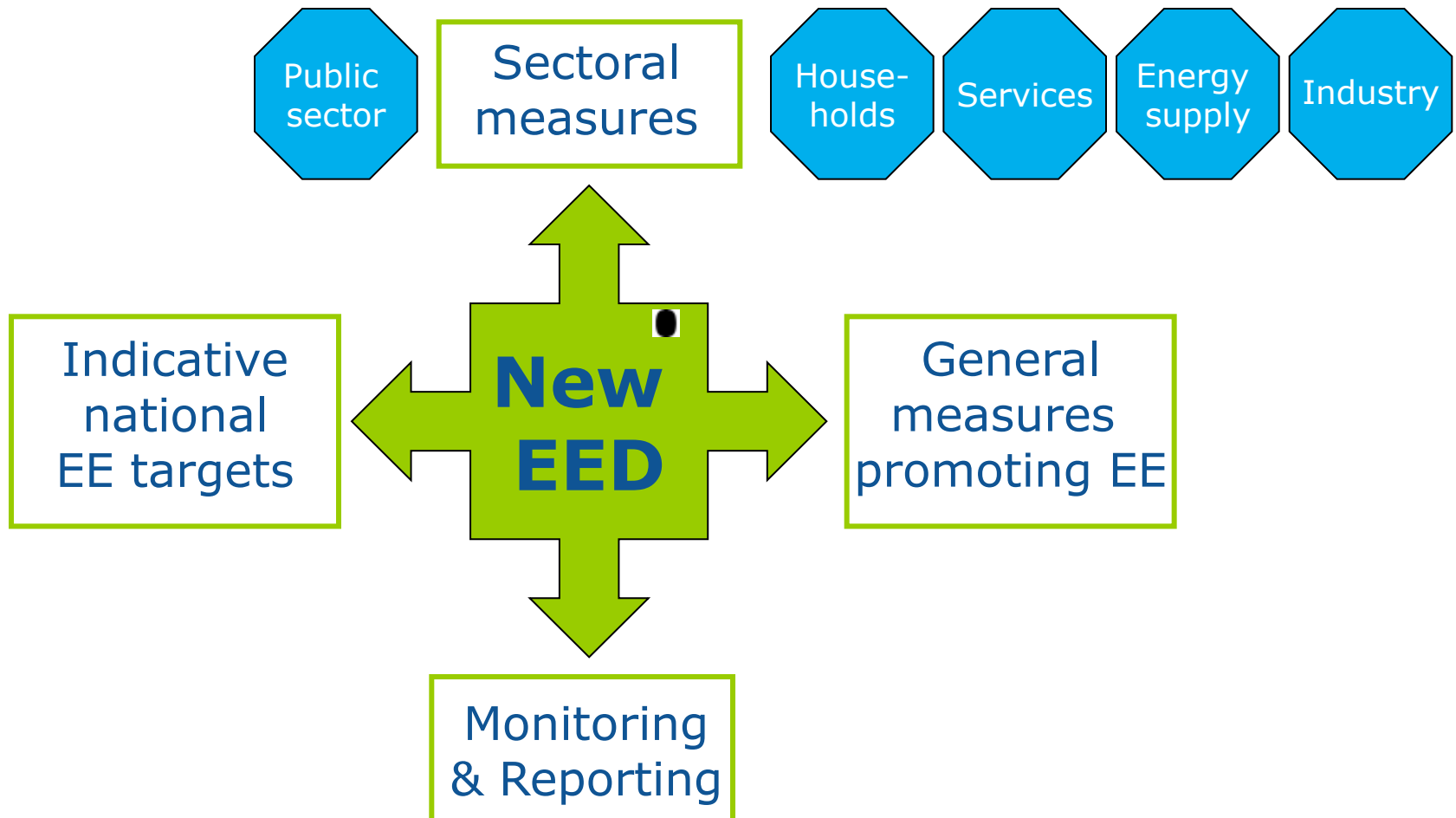
## A nemzeti intézkedésekkel együtt sem elegendő



# Gazdaságos energia-megtakarítási potenciál



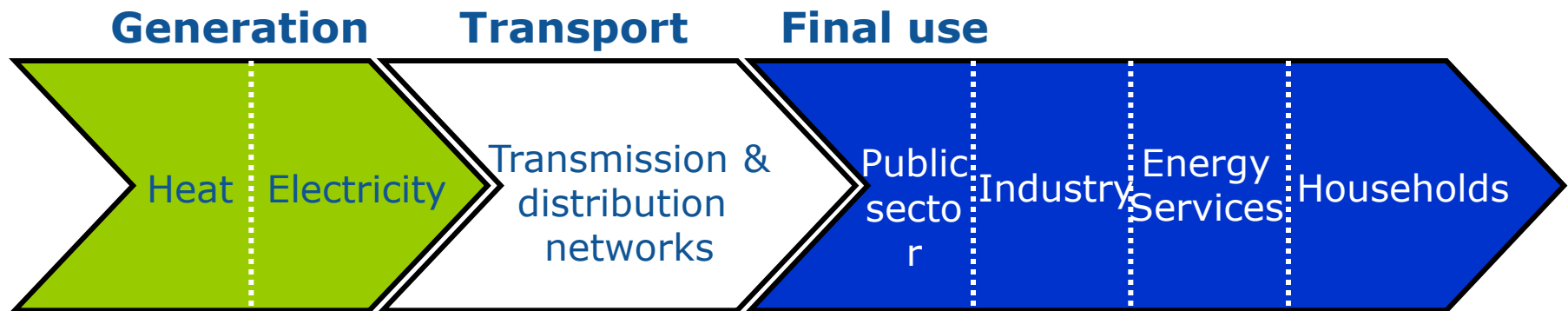
## Energiahatékonsági irányelv-javaslat



# Nemzeti célkitűzés, szektorintézkedések, általános intézkedések és nyomonkövetés

## 1. INDICATIVE NATIONAL ENERGY EFFICIENCY TARGETS (chapter 1)

## 2. SECTORAL MEASURES: ENERGY SUPPLY & DEMAND (chapter 2 - 3)



## 3. HORIZONTAL MEASURES (chapter 4)

## 4. REVIEW & MONITORING (chapter 5)

## Célkitűzés két lépcsőben a 2011. márciusi Energiahatékonysági terv szerint (3. cikk)

### STEP 1: 2011/12

MS set a national energy efficiency target for 2020 (Art. 3)

expressed as absolute level of primary energy consumption

taking into account:

- Overarching EU 20% target
- measures in this Directive
- measures to reach the national energy saving targets in the ESD
- other measures at national and EU level

### STEP 2: June 2014

COM assesses progress towards 20% objective

Taking into account the sum of the national targets

If 20% unlikely to be achieved:  
Binding national targets

## Szektorintézkedések : energiahatékonyság a közszférában

### Buildings (Art.4)

- Annual renovation of 3% of the total floor area of buildings over 250m<sup>2</sup> owned by public bodies to reach at least the national minimum energy performance requirements;
- Inventory of owned buildings (information on floor area and energy performance).

### EE Plans & EMS (Art.4)

- Promotion of energy efficiency plans and energy management systems among public bodies

### Purchasing (Art.5)

- Purchase of products, services and buildings with high energy efficiency standards, as set in Annex III

## Szektorintézkedések: ipari és energiaipari vállalkozások

**Energy Utilities**  
(Art.6)

**Large (> SME)  
enterprises**  
(Art.7)

**SME**  
(Art.7)

- **Energy efficiency obligation schemes** requiring energy distributors or retail energy sales companies to achieve among final customers annual savings of **1,5% of their energy sales**, by volume, in the previous year (possibility of alternative measures achieving the same amount of savings subject to COM acceptance)
- 
- **Mandatory energy audits** every three years and carried out in an independent manner (by 2014) (NB. Energy audits as part of energy management systems or voluntary agreements already fulfill this requirement)
- 
- Promote availability to all final customers of affordable energy audits by independent qualified/accredited experts
  - Encourage SMEs (& households) to undergo energy audits
  - Best Practices exchange on effectiveness of energy management systems for SME business

# Szektorintézkedések: a fogyasztói információ-szolgáltatás javítása (8. cikk)



**Individual meters for all final customers**

- For **electricity, natural gas, DH&C & district-supplied domestic hot water**, reflecting **actual energy consumption & information on actual time of use**
- **Minimum functionalities of smart meters** to be set in line with energy efficiency objectives and final customer benefits
- Upon request, meter to account for electricity produced on the final customer's premises and exported to the grid

**Free & informative billing**

- **Ensure accuracy & frequency of billing based on actual consumption**, for all the sectors covered by this Directive
- Appropriate information with the bill providing customers with comprehensive account of current energy costs, also allowing detailed self-checks on historical consumption

**Access to metering & billing data**

- Upon request, availability of metering data/ billing/ historical consumption to a third party (e.g. ESCO)



## Efficient heating & cooling (Art.10)

## Energy transformation (Art.11)

## Transmission & distribution (Art.12)

# Szektorintézkedések: energiahatékonyság a hűtés és fűtés terén

- **National heating and cooling plan** for development of HE cogeneration and efficient DH&C infrastructure
- CHP obligation for new and substantially refurbished **thermal electricity generation installations** (>20 MW)
- CHP and waste heat recovery for new or substantially refurbished **industrial installations** (>20 MW) generating waste heat to make use of it and be connected to DH&C networks
- **Inventory of installations** (for combustion of fuels (= >50 MW), refining of mineral oil and gas)
- Energy efficiency criteria in energy network regulation
- National **plans on energy efficiency potentials** of energy networks, identifying measures & investments for efficiency improvements
- **Guarantee transmission & distribution; priority or guaranteed access and priority dispatching** of HE cogeneration electricity

## Általános intézkedések

**Certification/  
qualification  
scheme** (Art.13)

**Promotion of  
energy  
services  
market** (Art.14)

**Removal of  
barriers to EE**  
(Art.15)

- **Certification/qualification schemes** for providers of energy services, energy audits & energy efficiency improvement measures
- Cooperation among MS & with COM on comparisons between and recognition of the schemes
- Public **list of energy service**
- **Model contracts for Energy Performance Contracting** in the public sector
- Dissemination of information on energy service contracts, financial instruments, incentives, grants & loans to support energy service projects
- Promotion of voluntary quality labels
- To **take measures to remove barriers** to energy efficiency:
  - split of incentives
  - public purchasing and annual budgeting and accounting

# Tervezett lehetséges menetrend

July 2011

- European Parliament nominates a rapporteur
- First presentation & discussions in the Council Energy Working Group under Polish Presidency

Sept. – Dec.  
2011

- Continuation of discussions in the Council
- Start of discussions in the EP, vote ENVI
- Energy Council (November)

January –  
June 2012

- Advancement and finalisation of the discussions in the Council and EP, and trialogues
- Achieving of political agreement

July – Dec.  
2012

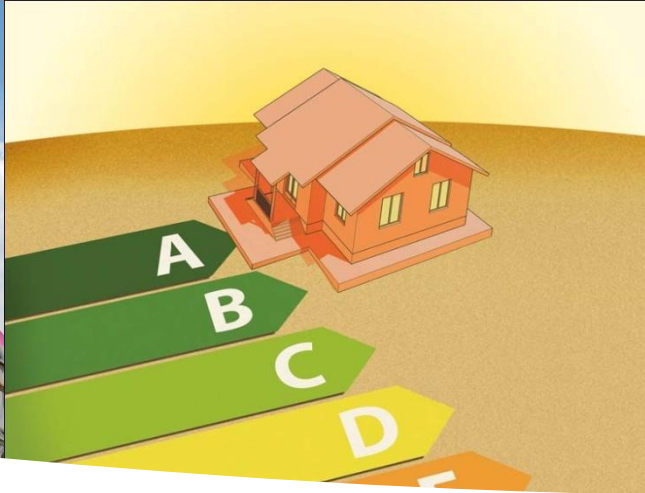
- Finalization of the legislative text
- Entering into force by the end of 2012

December  
2013

- Implementation of the new Directive in the MS

June 2014

- Assessment of progress towards 20% saving objective



**Thank you!**

**For further information on energy efficiency  
please consult our website:**

**<http://ec.europa.eu/energy/efficiency/>**