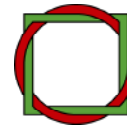




ENERGY EFFICIENCY WATCH



**Wuppertal Institut**  
für Klima, Umwelt, Energie  
GmbH

**ECOFYS**

**Energy Efficiency Watch:**

## **Screening and Evaluation of NEEAPs**

**1st Presidency Briefing**  
**Brussels, 06 May 2008**  
**Venue: European Parliament**  
**Time: 8-9:30am**

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# Background

- Energy Efficiency and Energy Service Directive (ESD) requires MS
  - to achieve a reduction target in end-energy use of 9% by 2016
  - to submit three National Energy Efficiency Action Plans (NEEAPs): 2007, 2011, 2014
  - The first NEEAP was due by June 30, 2007
- Only a few requirements were set in the ESD:
  - National indicative **annual energy savings target** adopted for 2016 (GWh)
  - Energy efficiency improvement **programmes**, energy **services**, and other **measures** planned for achieving the target
  - Measures and strategies complying with the provisions on the exemplary role of the **public sector**, and the **provision of information and advice** on end energy efficiency on end users.

# Screening and Evaluation of NEEAPs

**Step 1:** Screening of NEEAPs

**Step 2:** In depth-evaluation  
(12 MS)

→ Categorisation of energy efficiency improvement measures

→ Country reports

→ Sectoral reports

**Step 3:** Dissemination of Products

**Step 4:** Update of evaluation after acceptance

| Evaluation of NEEAPs                       |                          | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|--|--------------------------|----|----|---|---|---|---|---|---|---|---|---|----|----|----|
| Tasks                                      |                          |    |    |   |   |   |   |   |   |   |   |   |    |    |    |
| 1. Criteria Development                    |                          | ■  | ■  |   |   |   |   |   |   |   |   |   |    |    |    |
| 2. Screening of NEEAPs                     |                          |    | ■  | ■ | ■ | ■ | ■ | ■ |   |   |   |   |    |    |    |
| 3. In depth analysis/<br>sectoral analysis |                          |    |    |   |   | ■ | ■ | ■ | ■ | ■ |   |   |    |    |    |
| 4. Dissemination of Products               |                          |    |    |   |   |   |   |   | ■ |   | ■ | ■ | ■  |    |    |
| 4. Update of Evaluation                    |                          |    |    |   |   |   |   |   |   |   |   |   |    | ■  | ■  |
| 5. Deliverables                            |                          |    |    |   |   |   |   |   |   |   |   |   |    |    |    |
|  | Screening                |    |    |   |   |   |   | ■ |   |   |   |   |    |    |    |
|  | Country reports          |    |    |   |   |   |   | ■ |   |   |   |   |    |    |    |
|  | Sectoral reports         |    |    |   |   |   |   |   |   |   | ■ | ■ |    |    |    |
|  | Good Practice            |    |    |   |   |   |   |   |   |   | ■ | ■ |    |    |    |
|  | Brochures                |    |    |   |   |   |   |   |   |   | ■ | ■ | ■  |    |    |
|  | Report In depth Analysis |    |    |   |   |   |   |   |   |   | ■ |   |    |    |    |

# Step 1: Screening of NEEAPs

- **Only few MS took deadline seriously**
- **Very heterogeneous designs, contents and levels of information provided**
- **In most cases, relationship between technical energy saving potentials, energy saving targets and EEI-measures to be implemented is weak or not transparent**
- **Illustrative and impressive collection of measures enables international mutual learning**
- **In fact, collection of measures broadens thinking about EE from isolated measures to coherent policy packages**

# Criterion: Notification

| Member State           | Notification   |   |
|------------------------|----------------|---|
| Austria                |                | ✓ |
| Belgium (Flanders)     |                | ✓ |
| Belgium (Wallonia+BRX) |                | ✓ |
| Bulgaria               |                | ✓ |
| Cyprus                 |                | ✓ |
| Czech Republic         |                | ✓ |
| Denmark                | 2005 plan      | ✓ |
| Estonia                |                | ✓ |
| Finland                |                | ✓ |
| France                 |                | ✓ |
| Germany                |                | ✓ |
| Hungary                | 2007-2013 plan | ✓ |
| Ireland                |                | ✓ |
| Italy                  |                | ✓ |
| Lithuania              |                | ✓ |
| Malta                  |                | ✓ |
| Netherlands            |                | ✓ |
| Poland                 |                | ✓ |
| Romania                |                | ✓ |
| Slovakia               |                | ✓ |
| Spain                  | 2008-2012 plan | ✓ |
| UK                     |                | ✓ |

## Notification

The majority of member states has notified NEEAP to the European Commission by now.

A few plans could not be included in the screening – some are still missing, others are pending or not available in English:

- Greece,
- Latvia,
- Portugal,
- Sweden
- Luxembourg
- Slovenia

# Criterion: Energy Saving Target

| Member State           | Savings Target  |   |
|------------------------|-----------------|---|
| Austria                |                 | ✓ |
| Belgium (Flanders)     |                 | ✓ |
| Belgium (Wallonia+BRX) |                 | ✓ |
| Bulgaria               |                 | ✓ |
| Cyprus                 | 10%             | ✓ |
| Czech Republic         |                 | ✓ |
| Denmark                | 11 % / 2012     | ✓ |
| Estonia                |                 | ✓ |
| Finland                |                 | ✓ |
| France                 |                 | ✓ |
| Germany                |                 | ✓ |
| Hungary                |                 | X |
| Ireland                | 9 % / 12,5 %    | ✓ |
| Italy                  | 9.6 %           | ✓ |
| Lithuania              | 11%             | ✓ |
| Malta                  |                 | ✓ |
| Netherlands            | higher than 9 % | ✓ |
| Poland                 |                 | ✓ |
| Romania                | 13,5%           | ✓ |
| Slovakia               |                 | ✓ |
| Spain                  | 11 % (for 2012) | ✓ |
| UK                     | 9 / 18%         | ✓ |

## Energy Saving Target

- Most of MS provided calculations in which target will be achieved (to be verified whether compliance is realistic on the basis of measures and packages listed)
- Some MS base their calculations on national EE plans, partly not consistent with ESD requirements
- Eight MS even intend to exceed the target (CYP, DK, IRE, LIT, NL, RO, ES, UK)

# Criterion: Early Savings

| Member State           | Early Savings      |                       |
|------------------------|--------------------|-----------------------|
| Austria                | 43%                | <input type="radio"/> |
| Belgium (Flanders)     | not transparent    | ?                     |
| Belgium (Wallonia+BRX) | not transparent    | ?                     |
| Bulgaria               |                    | ✓                     |
| Cyprus                 |                    | ✓                     |
| Czech Republic         |                    | ✓                     |
| Denmark                |                    | ✓                     |
| Estonia                |                    | ✓                     |
| Finland                |                    | ✓                     |
| France                 | not transparent    | ?                     |
| Germany                | 45%                | <input type="radio"/> |
| Hungary                |                    | <input type="radio"/> |
| Ireland                | 7%                 | <input type="radio"/> |
| Italy                  | calc. for measures | <input type="radio"/> |
| Lithuania              | 17%                | <input type="radio"/> |
| Malta                  |                    | <input type="radio"/> |
| Netherlands            |                    | ✓                     |
| Poland                 |                    | ✓                     |
| Romania                |                    | ✓                     |
| Slovakia               | not transparent    | ?                     |
| Spain                  |                    | ✓                     |
| UK                     | since 2000         |                       |

## Early Savings

- Eight MS claim early savings (1995 pp.), especially GER and AUT



# Criterion: Additional Measures

| Member State           | Additional Measures    |   |
|------------------------|------------------------|---|
| Austria                |                        | ✓ |
| Belgium (Flanders)     | not transparent        |   |
| Belgium (Wallonia+BRX) | not transparent        |   |
| Bulgaria               |                        | ✓ |
| Cyprus                 | no early action        | ✓ |
| Czech Republic         |                        | ✓ |
| Denmark                |                        | ✓ |
| Estonia                | no information         |   |
| Finland                | partly add. (5%)       | ✓ |
| France                 |                        | ✓ |
| Germany                |                        | ✓ |
| Hungary                | not transparent        |   |
| Ireland                | acc. to sectoral plans | ✓ |
| Italy                  |                        | ✓ |
| Lithuania              |                        | ✓ |
| Malta                  |                        | ✓ |
| Netherlands            |                        | ✓ |
| Poland                 |                        | ✓ |
| Romania                |                        | ✓ |
| Slovakia               |                        | ✓ |
| Spain                  |                        | ✓ |
| UK                     |                        | ✓ |

## Additional Measures

- Most of MS distinguish between measures already implemented and additional measures
- (mostly according to national EE development plans or sectoral plans)
- Good quantity of additional measures to be implemented



# Policy Conclusions

- **Weaknesses of the ESD**
  - Requirements for NEEAPs
  - Early Action
  - Additionality
- **From diversity to harmonisation**
  - Harmonisation of NEEAPs (template)
  - Harmonisation of evaluation methods
- **From plan to implementation**
  - Urge MS with pending or drafted plans to submit fully elaborated plan
  - Urge MS to implement/monitor and improve EEI measures listed in the NEEAPs
- **From national plans to European strategy**
  - EU Energy Review (Autumn 2008) requires inclusion of Energy Efficiency as condition of energy security

# In Depth Analysis: Selection of NEEAPs

## ▪ Selection Criteria

- South / north Member State
- New / old Member State
- Small / big Member State
- Good personal parliamentary contacts available
- GDP per capita high / low
- Upcoming presidency yes/no
- Upcoming national election

## ▪ Selected Member States

- Belgium
- Bulgaria
- Czech Republic
- France
- Germany
- Hungary
- Italy
- Poland
- Romania
- Spain
- Sweden
- UK

**Thank you for your attention!**

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