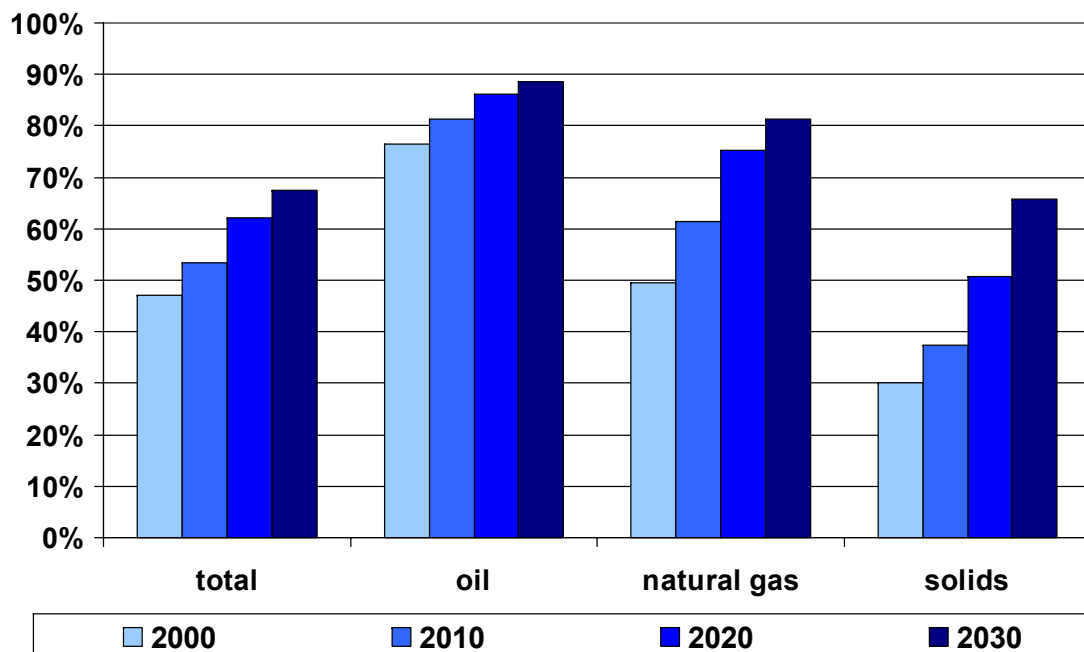




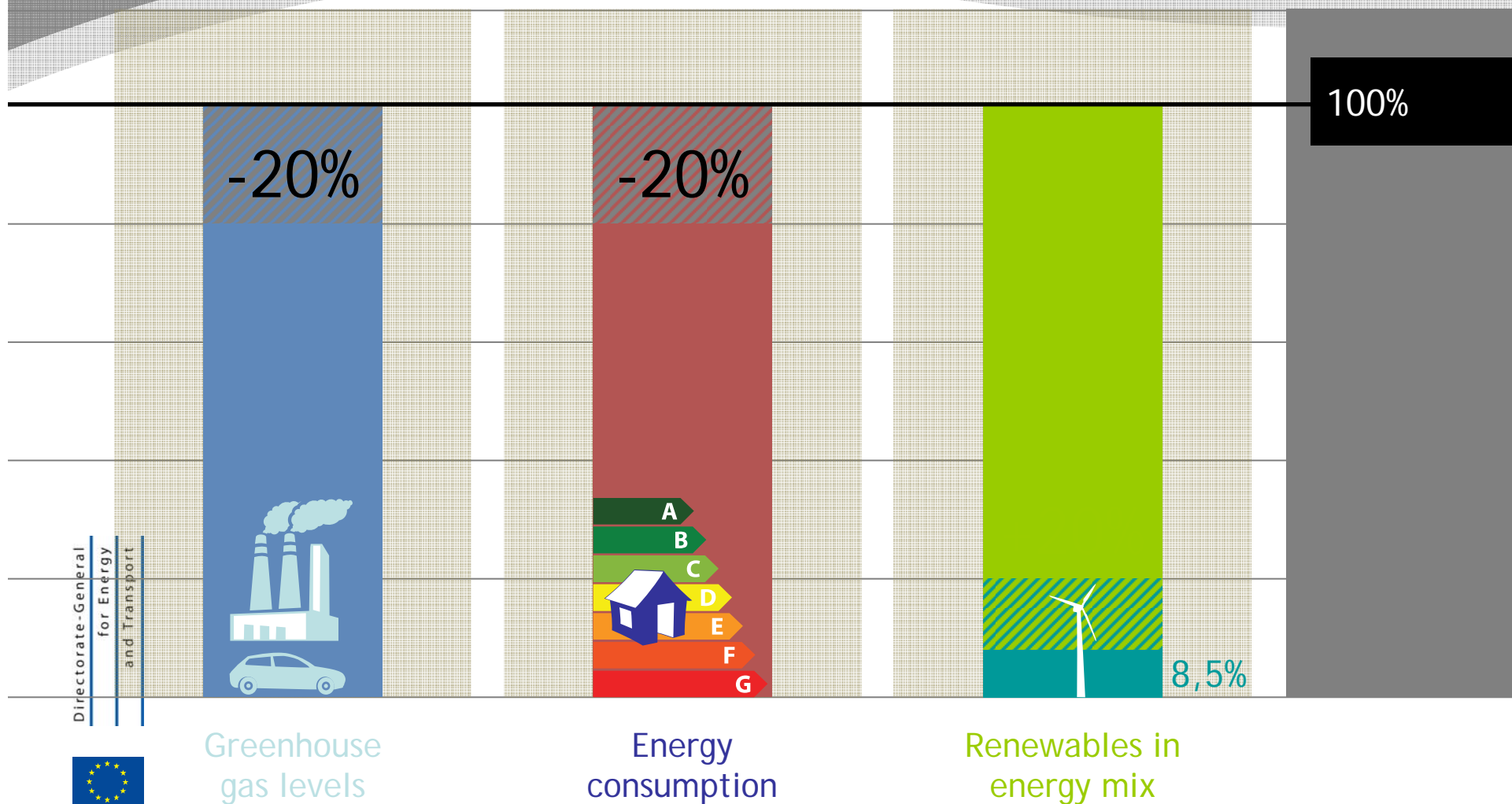
- EU Energy Policy for Buildings
 - Recast Directive proposed -
- Martin Elsberger**
Unit D4 - Energy Efficiency, DG TREN
REHVA Supporters Seminar, Brussels, 12/2/2009

● Political and Economical Motivation

- **Environment:** Climate change: up to +6.4 Kelvin in 2100 (IPCC)
- **Financial and Economic Crisis:** EU's Economic Recovery Plan
- **Social & Economic:** Recent energy prices and their volatility
- **Security & Economy:** EU Energy Import Dependency - Forecast:



The 20-20-20 EU policy by 2020



● Role of the Building Sector

- 40 % of EU's energy use
- 36 % of EU's CO₂ emissions
- Cost-effective energy savings potential: ~30 % by 2020
- 9 % of GDP, 8 % of employment and €2 trillion annual turnover
- Key EU legislation:

**Energy Performance of Buildings Directive
(EPBD, 2002/91/EC)**



● Energy Performance of Buildings Directive – EPBD (2002/91/EC)

Requirements - for Member States to specify and implement:

- **An integrated methodology to rate the energy performance of buildings**
- **Minimum energy performance standards for new and for existing buildings that undergo major renovation**
- **Energy performance certificates for buildings**
- **Regular inspections of heating and air-conditioning systems**



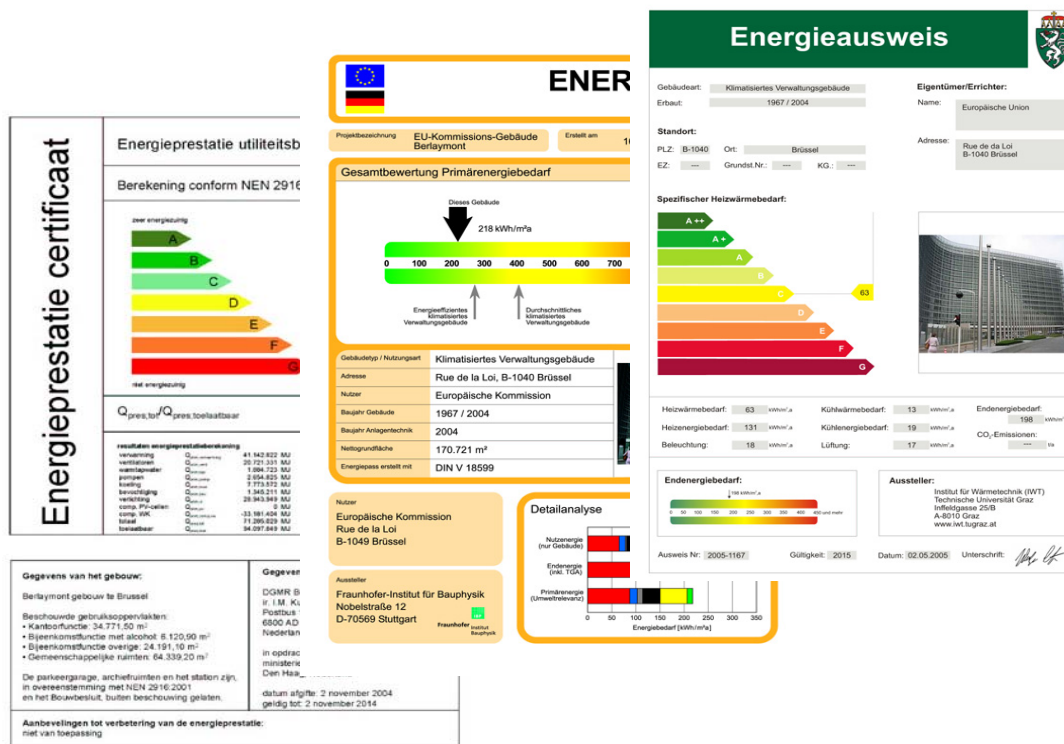
● EPBD recast – What are the changes?

- Principles of existing EPBD requirements are **KEPT** – but **CLARIFIED** and **IMPROVED** in their effectiveness
- Several ways of implementing details of the EPBD by Member States exist **AND SHALL BE UPHOLD** – full respect of subsidiarity principle and of economic feasibility



● EPBD – Energy Performance Certificate

Example for Member States' room for manoeuvre:



● Energy Performance of Buildings Directive – recast(1)

- Elimination of the 1000 m² threshold for existing buildings when they undergo a major renovation

Eliminating/lowering of the threshold also for

- Display of Energy Performance Certificates in public buildings
- Assessment on installation of alternative systems for new build

- Minimum energy performance requirements for new buildings and major renovations:

Benchmarking to achieve cost-optimal levels



● Energy Performance of Buildings Directive – recast(2)

- Strengthening the role and the quality of energy performance certificates – i.a. quality checks and use of the performance indicator in advertisements for sale or rent
- Strengthening the role and the quality of inspections (HVAC)
- Addressing the public sector to act as leading example
- Stimulating the market entry of low/zero carbon and energy buildings, such as passive houses
- Clarification/simplification of provisions and definitions



● EPBD recast – What shall e.g. happen?

Energy Performance Certificate



A screenshot of a Windows Internet Explorer browser window displaying a real estate search results page. The address bar shows the URL: <http://www.immoweb.be/fr/buy.Results.gallery.cfm?xmi=&ockeep=&ccarte=N&idcategorieprev=5&idcategorie=5&idtypek>. The page title is "A vendre - Recherche - Appartements - D - Windows Internet Explorer". The page content includes a sidebar with navigation links and a main grid of apartment listings. A large black oval is drawn around the text "Energy Class D" in the bottom right corner of the screenshot, with an arrow pointing to the "Energy Class D" label in the EPC image to the left.

Immobiel à vendre

- Rechercher un bien
- Top 500
- Nouveaux biens
- Ventes publiques
- Rech.spécifiques
- Terrains à bâtir

Dossiers

- Mieux acheter & louer
- Emprunts
- Coûts & subsides
- Taxes & fiscalité
- Contrats-type
- Assurances
- Energie
- Déménagement
- Urbanisme
- Bât & rénover
- Décoration
- Tuyaux

Trouver

- Agence immobilière
- Notaires
- Experts
- Promoteurs
- Entrepreneurs
- Partenaires
- Féd.professionnelles

Mes recherches

Appartements

- 2 ch. 1000 Bruxelles ville
- 2 ch. 1000 Bruxelles ville
- 10 ch. 1000 Bruxelles ville
- 1 ch. 1000 Bruxelles ville
- 50.000 € / 625€ 100 m² - 2 ch. 1020 Laeken
- 2 ch. 1020 Schaerbeek
- 2 ch. 1040 Etterbeek
- 6 ch. 1050 Ixelles
- 9 ch. 1050 Ixelles
- 84 m² - 2 ch. 1070 Anderlecht

- **Impact and support instruments of the EPBD recast**
 - **5 - 6 % saving of EU's total energy consumption**
 - **5 % saving of EU's total CO₂ emissions**
 - **280,000 – 450,000 potential new jobs**
 - **Low/zero, predominantly negative CO₂ abatement costs**
 - **Support to pave the way for recast's implementation:**
 - (1) Intelligent Energy Europe Programme (SAVE)**
 - (2) European Commission's Buildings Platform – key element of Commission's "Build-up Initiative" (2009)**
 - (3) EU's Economic Recovery Plan**





7 litres of oil or cubic metres of gas consumption per square metre and year, so 25 litres of oil or cubic metres of gas consumption per square metre and year, so about 15 € annual energy bill per square metre (total 4500 €) energy bill costs annually cut by two thirds! 12/12