Energy Efficiency and the North Sea Region Programme:

"Saving Energy, Revitalising Communities, Creating Jobs"

Jenny Holland
European Alliance of Companies for Energy Efficiency in Buildings (EuroACE)

North Sea Region Programme Conference, Brunstad, Norway, 21 June 2007

EuroACE

What is EuroACE?

- **The European Alliance of Companies for Energy Efficiency in Buildings**
- **Founded in 1998 by 20 of Europe's leading companies involved with the manufacture, distribution and installation of energy saving goods and services**
- **EuroACE works together with the European institutions to help Europe achieve more sustainable energy use in buildings and significant reductions in carbon dioxide emissions**

EuroACE

Current EuroACE membership

- Acciona
- Aereco
- Armacell International
- BING
- BPB
- CRH
- Danfoss
- Grundfos
- Honeywell
- Hunter Douglas
- Huntsman Polyurethanes
- Illbruck
- Kingspan Insulated Panels
- Knauf Insulation
- Paroc
- Philips Lighting
- Pilkington
- Rockwool International
- Saint-Gobain Isover
- Siemens
- Skanska
- URSA
- VELUX A/S

Total EU turnover:

- 36,860 million euros

Total EU employment:

- 173,557 people

The Tip of the Jobs Iceberg

EuroACE

EuroACE

A transnational partnership working together to achieve:

- **better energy saving policies**
- **new jobs**
- **real energy efficiency improvements in buildings**

North Sea Region Programme, 2007-2013

Priority 4: Promoting sustainable and competitive communities

Objective 3: Promoting energy efficiency in urban and rural communities

"Greater energy efficiency in buildings benefits:

- ***individuals***
- ***firms***
- ***society as a whole."***

EuroACE

A Tale of Three Cities

Lisbon – Growth, Competitiveness, Jobs

- **Estimated job creation from the two relevant EU Directives (Energy Performance of Buildings Directive and Energy End Use Efficiency & Energy Services Directive) – BETWEEN 65,000 AND 107,500 JOBS.**
- **Estimated job creation from expanded EPBD – 250,000 EXTRA JOBS.**

Gothenburg – Sustainable Development

- **Using energy more efficiently is the best way to reduce our carbon footprint, conserve resources and create warm and comfortable homes.**

Moscow – Security of Supply

- **Using less energy is the simplest and most cost-effective way to reduce our reliance on imported fuel.**

EuroACE

Real Projects!

The Display™ Campaign

- **A European scheme aimed at encouraging local authorities to publicly display the energy performance of their public buildings using the same label that is used for household appliances**
- **Latest phase of Campaign – since 2006 – encourages municipalities to improve their building performance "Towards Class A"**
- **Annual "Towards Class A Award" for towns which have the best results for their communication campaigns**
- **"Shining Examples" – examples of best practice – are promoted on Campaign website to facilitate knowledge-sharing among municipalities**

EuroACE

Transnational Partnership

- **Energie-Cités – Association of European local authorities for local sustainable energy policy**
- **EuroACE – European Alliance of Companies for Energy Efficiency in Buildings**
- **EnEffect – Center for Energy Efficiency (Bulgaria)**
- **CEMR - Council of European Municipalities and Regions**
- **ACE/CAE - Architects' Council of Europe**

Project supported by the "Intelligent Energy – Europe" Programme of the European Community

EuroACE

Why is the Public Sector so important?

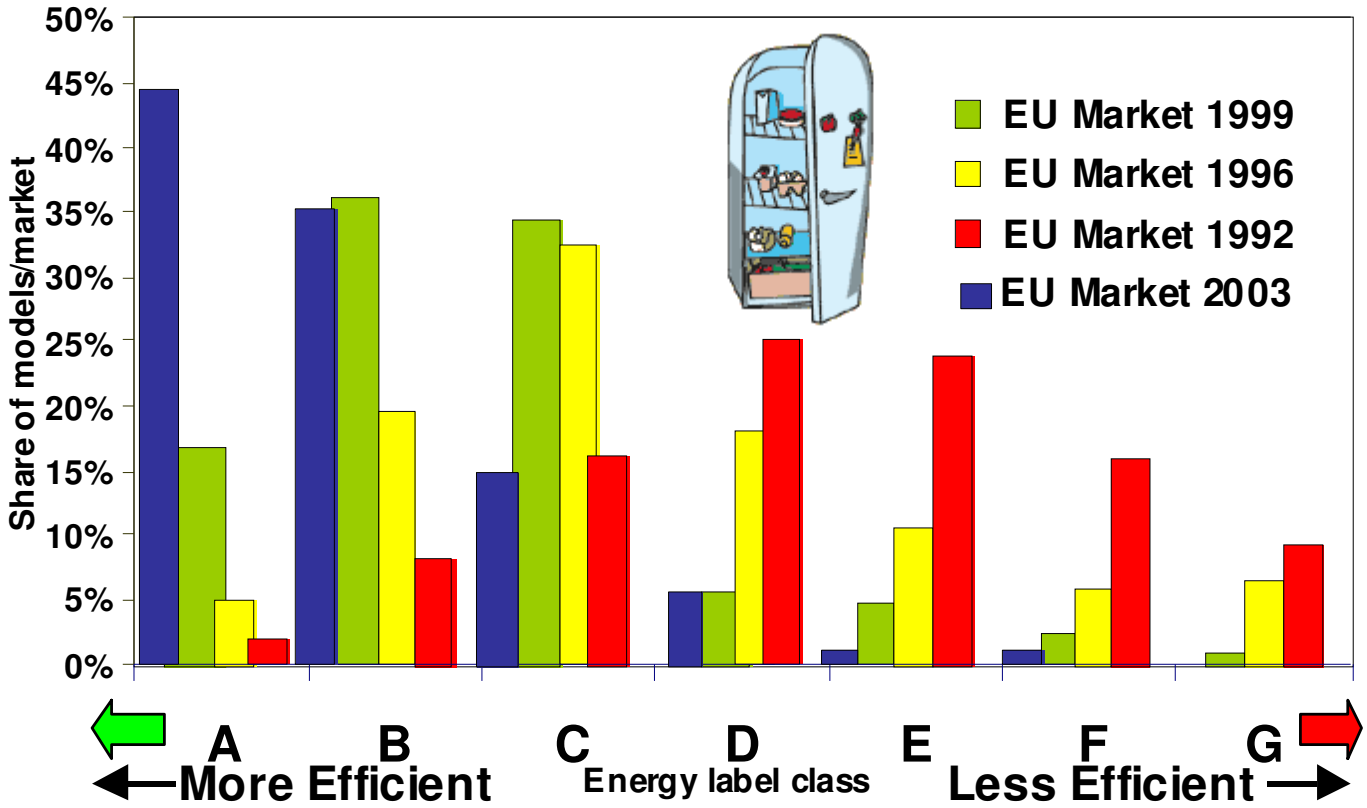
- The public sector can engage citizens by leading by example
- Buildings account for nearly 40% of EU final energy consumption
- Energy remains one of the few municipal items where significant financial savings can be made
- A European municipality of 100,000 inhabitants can spend up to €1.5m for the energy requirements of its public buildings
- By reducing its energy consumption by only 1%, it will save €15,000!

EuroACE

Why is labelling so important?

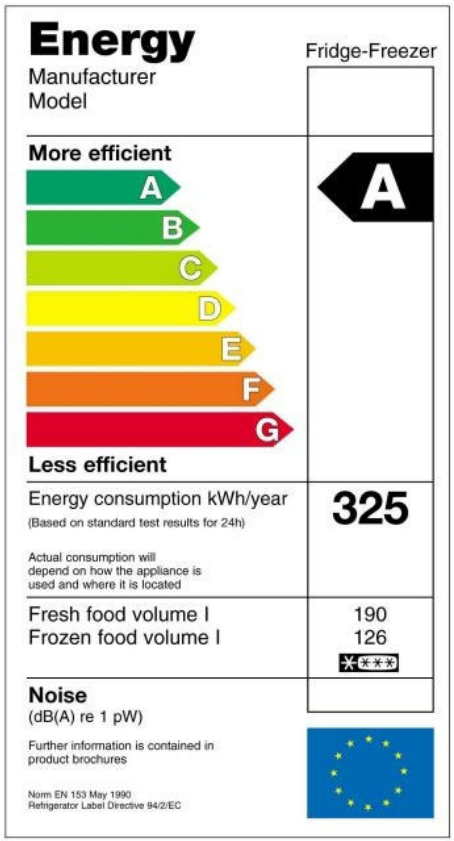
EuroACE

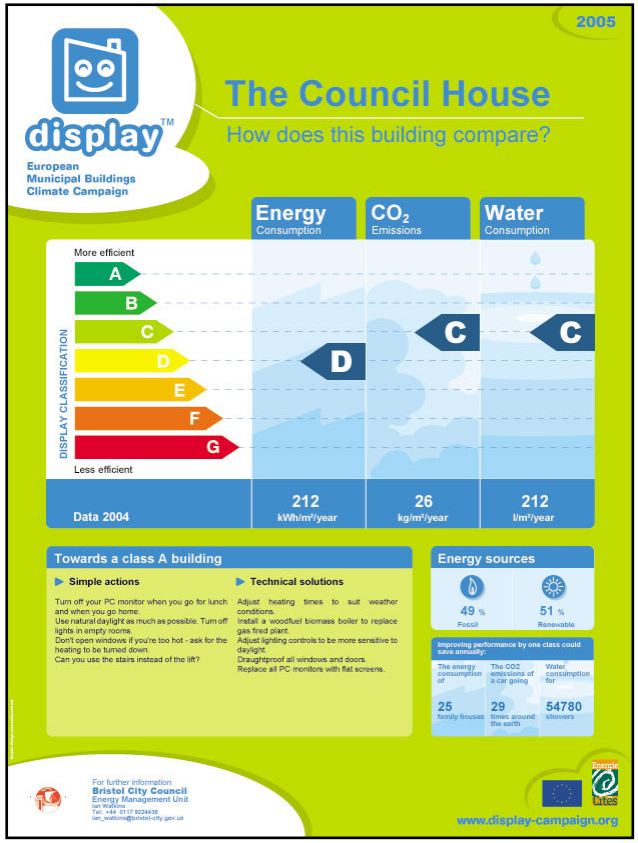
How the use of energy labels transformed the refrigerator market in the EU



EuroACE

Same problem, same solution





EuroACE

Tools available to municipalities

Municipalities taking part in the Display™ Campaign are provided with an online tool that enables them to:

- **calculate a building's energy, water and CO_2 consumption**
- **classify buildings, from A to G**
- **display results within public buildings using the Display™ voluntary label**

EuroACE

Communication Tools (European level)

- Display™ Website
- Display™ Test tool
- Towards Class A newsletter
- Display™ Dossier
- Promotional meetings and study tours

Communication Tools (local level)

- Display™ Poster
- Display™ and local authority's website
- Display™ Communication Handbook
- Local media

EuroACE

Conclusions

The Display™ Campaign:

- is a transnational public-private partnership
- enables municipalities to share best practice
- raises awareness among councillors, building managers and ordinary citizens
- is a practical and visible European campaign to fight climate change

EuroACE

Energy Efficiency in the Refurbishment of High-Rise Residential Buildings

EuroACE

Transnational Project with Tangible Outcomes

- **Funded by International Energy Agency and EuroACE, carried out by the Association for the Conservation of Energy (ACE)**
- **Examined:**
  - **potential for energy savings when refurbishing high-rise buildings;**
  - **opportunities for and barriers to achieving that potential**
- **Covered 28 countries**
- **Recommended practical and policy solutions**
- **Focused on six case studies of real refurbishment projects in 'old' and 'new' EU countries and Russia**
- **Report, case studies and practical refurbishment 'toolkits' being disseminated throughout all OECD countries**

EuroACE

Six case studies, highlighting practical approaches...

EuroACE

“Block One”, Radomir, Bulgaria

- **PHARE-funded Demonstration Project**
- **Public-Private Partnership, including Greek and German contractors**
- **Roof and wall insulation; window improvements; new boiler and heating controls**

EuroACE

Raise the Roof, St Petersburg, Russia

- **Public-Private Partnership, including local authority, Danish Housing Ministry and EuroACE member companies**
- **Extra storey added to help finance refurbishment**
- **Outstanding energy savings**
- **Wide applicability to residential high-rise buildings in Baltic and Nordic states**

EuroACE

Conclusions

- **One in six dwellings in Europe – 36 million – are in high-rise buildings; in some countries up to half the population live in them**
- **Average of 28% energy saving potential**
- **Annual CO_2 reductions of 35 megatonnes**
- **Common solutions identified through transnational approach**
- **Results – including practical refurbishment resources – being widely disseminated**

EuroACE

Baltic Energy Efficiency Network for the Building Stock

BEEN

Baltic Energy
Efficiency Network
for the Building Stock

- **Transnational project to develop strategies and instruments to promote energy efficient refurbishment of prefabricated residential buildings in the Baltic Sea Region**
- **Part-funded by Interreg IIIB Programme**
- **Seven partner countries: Germany, Poland, Lithuania, Latvia, Estonia, Belarus, Russia**
- **26 partner organisations, including Housing Ministries, municipalities, housing associations**

EuroACE

BEEN there, DONE that?

- **Project duration: July 2005 to December 2007**
- **Project aims to develop optimal technical, legal and financial solutions for refurbishing building stock**
- **Three best practice projects to be implemented in Estonia, Lithuania and Portugal**
- **Applicability to North Sea Region?**
- **More information at www.been-online.net**

EuroACE

Jenny Holland, Adviser to EuroACE

European Alliance of Companies for Energy Efficiency in Buildings,
Avenue Louise 375 - Bte 4,
BE-1050 BRUSSELS

Tel.: +32 2 639 10 10
Fax: +32 2 639 10 15

www.euroace.org
info@euroace.org

jenny@ukace.org

EuroACE