



Green Public Procurement and Energy efficiency of End-uses

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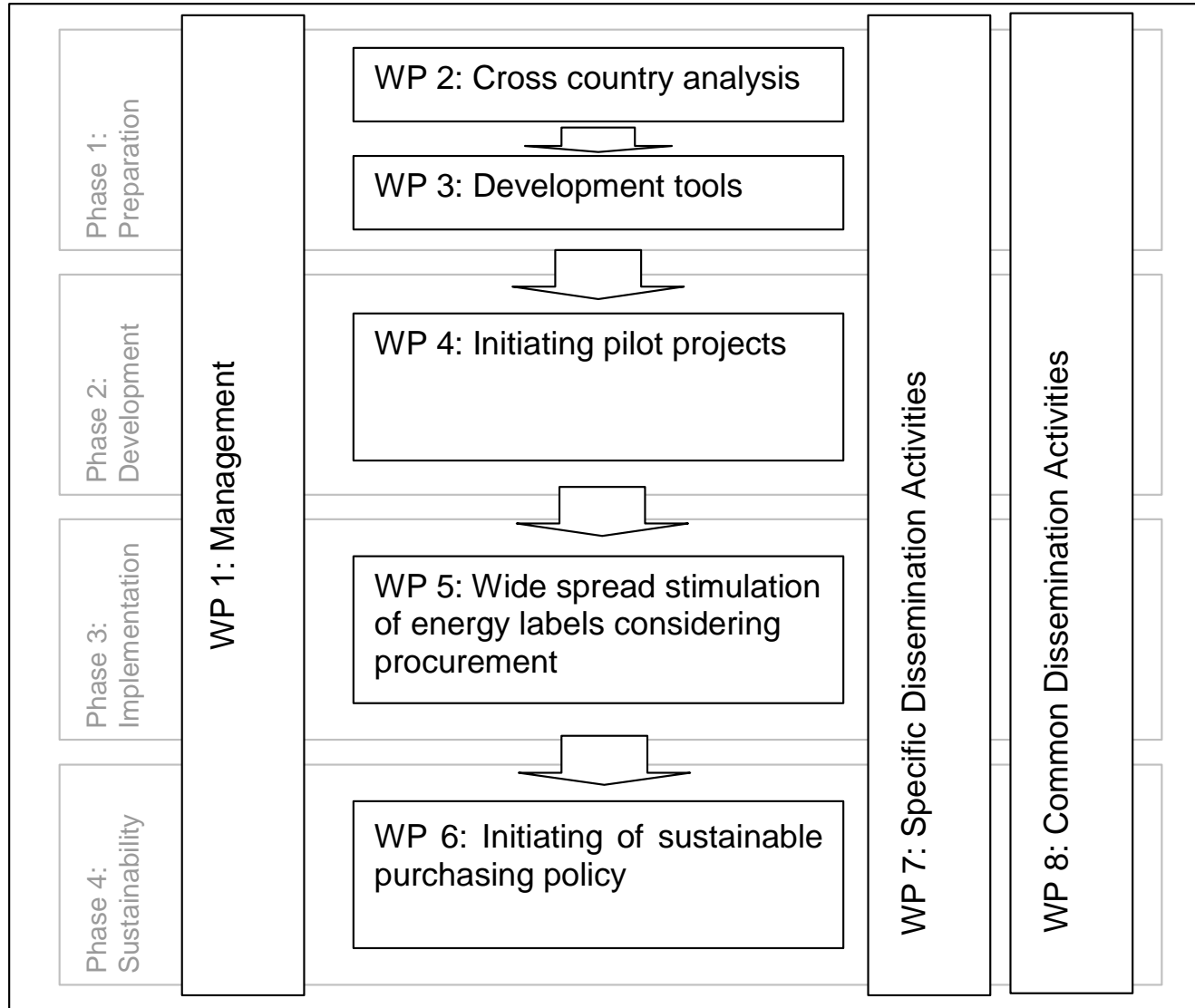
- **The state of the art of the European “Green Labels Purchase” project**
- **Energy efficiency of end uses: the preparatory studies for eco-design requirements of EuPs**

GLP Project summary

- Promoting programme: European Commission, DG TREN
«IEE - Intelligent Energy Europe»,
SAVE actions
- Involved countries: Austria, Bulgaria, Germany,
Finland, Hungary, Italy, Latvia,
Poland, Slovenia
- Project leader: Berliner Energieagentur (DE)
- Starting date & duration: January 2006, 30 months
- EC financing inputs: 500.521,00 €
- Co-financing partner inputs: 500.819,00 €
- Sub-Regional Project of EE 21
- EE 21 is partner of the International Steering Committee

GLP Project structure

Four project Phases . . .



... and eight Work Packages

GLP Project fields of application

- The main focus areas are **efficient appliances**:
 - Information Technologies: including PCs, monitors, printers, fax machines, etc. (as defined in the European Energy Star Programme)
 - Household appliances: purchased e.g. by housing companies, purchasing groups or gas/electricity utilities (as defined in the EU energy labelling directive)

- Complemented by **more specific products & services**:
 - Lighting products, where energy/quality labels do exist (mainly energy saving lamps)
 - Efficient clean vehicles, for public and private fleets
 - Building components (such as windows) and systems (such as heating and cooling systems)
 - Green Power (from Renewable Energy Sources)

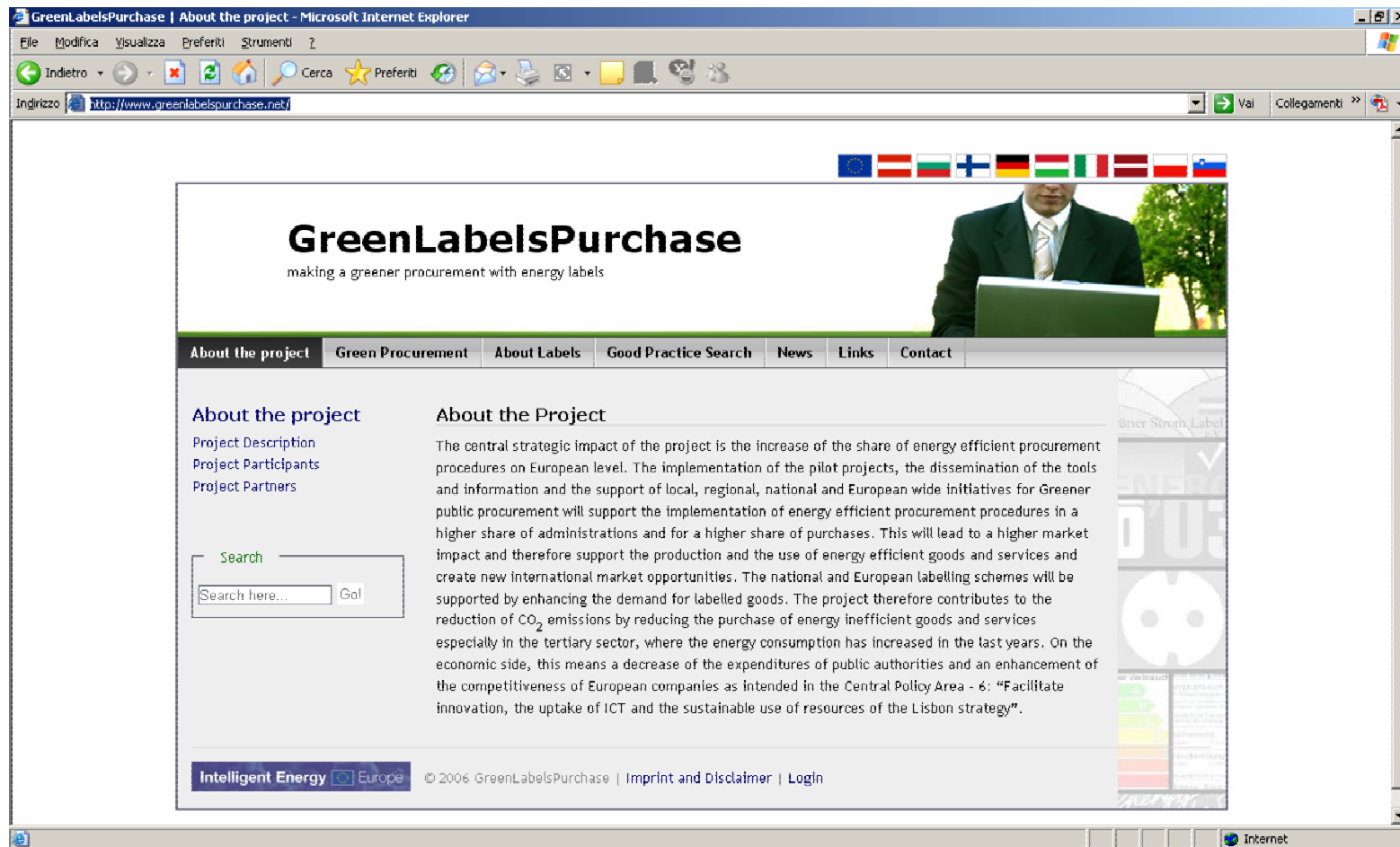
GLP Project goals

- Raising of awareness and knowledge about **Energy Labels** as a simplifying instrument in public and private purchasing procurement of eco-efficient products and services
- Developing and disseminating **standardised tools** to support a wider distribution of energy related “greener” procurement procedures
- Identification of main **barriers** against energy related “greener” procurement actions and of specific actions to overcome them
- Using of energy related “greener” procurement pilot projects as the first step for a **comprehensive EU green procurement** and to support already existing initiatives

GLP State-of-the-Art

Dedicated web-site:

www.greenlabelspurchase.net



GLP State-of-the-Art

- Publication of Guidelines, Performance Sheets and Calculation Tools, for the considered products



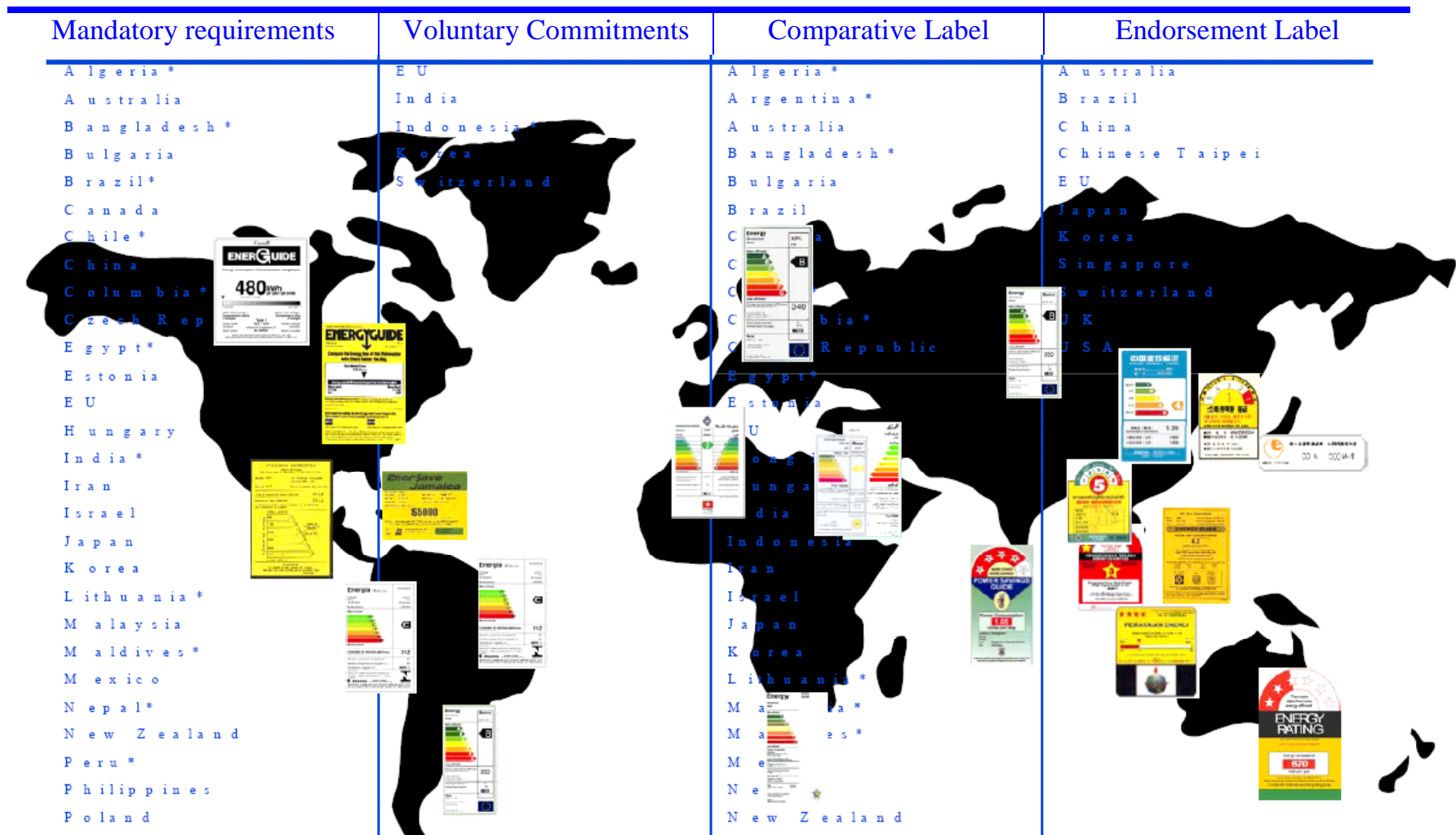
- Publication of the preliminary project results
- Starting of the GPP pilot projects

The ENEA project “Eco-acquistiamo”

- Objective of the project “Eco-acquistiamo” is the promotion and implementation – with common procedures to all purchasing centres (ENEA Centres and purchasing centres of the Departments) – of GPP in the purchasing of goods and services of common use.
- Further scope is the diffusion of the ENEA experience towards GPP to increase the stakeholders awareness on GPP, stimulate consumers and producers and the other public bodies and PAs
- Forecast benefits:
 - *Quantitative*: quantity of purchased goods and services, management costs reduction, saved CO₂ tons, avoided wastes, saved resources
 - *Qualitative*: better green image due to the implementation and promotion of GPP
 - Compliance with the objectives of the National Action Plan on Green Public Procurement (May 2007)

Energy efficiency of End-uses

Standards and Labels worldwide

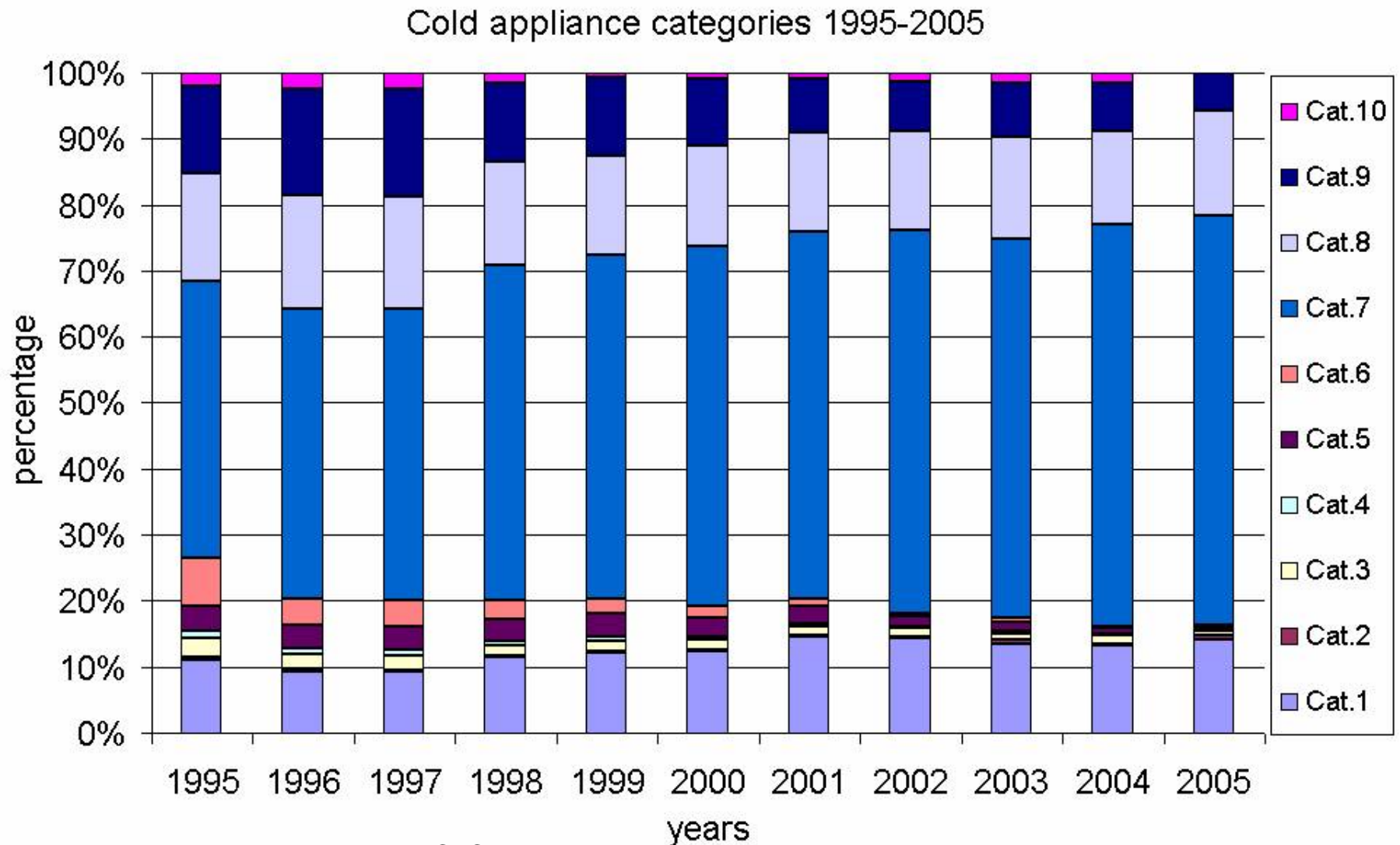


source: IEA 2006

Standards and Labels in the EU27

- **Framework directive 92/75/EEC on labelling**
- **Framework directive 2005/32/EC on Ecodesign of EuPs: 14 preparatory studies are on going, including:**
 - **Lot 13: Domestic refrigerators and freezers**
www.ecocold-domestic.org
 - **Lot 14: Domestic dishwashers and washing machines**
www.ecowet-domestic.org

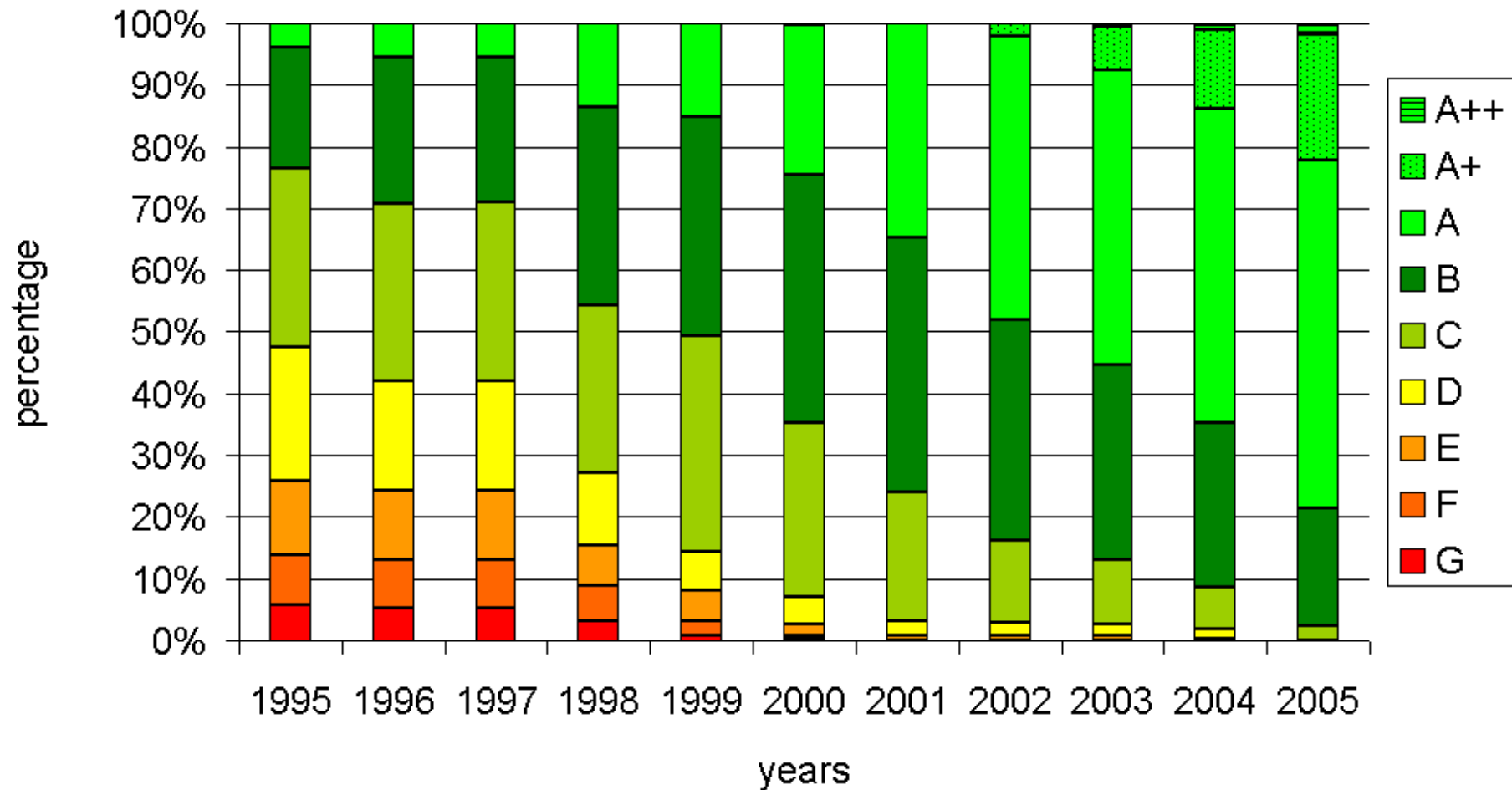
The EU energy labelling – cold appliances



source: EuP studies, Lot 13, Task 2, on CECED data

The EU energy labelling – cold appliances

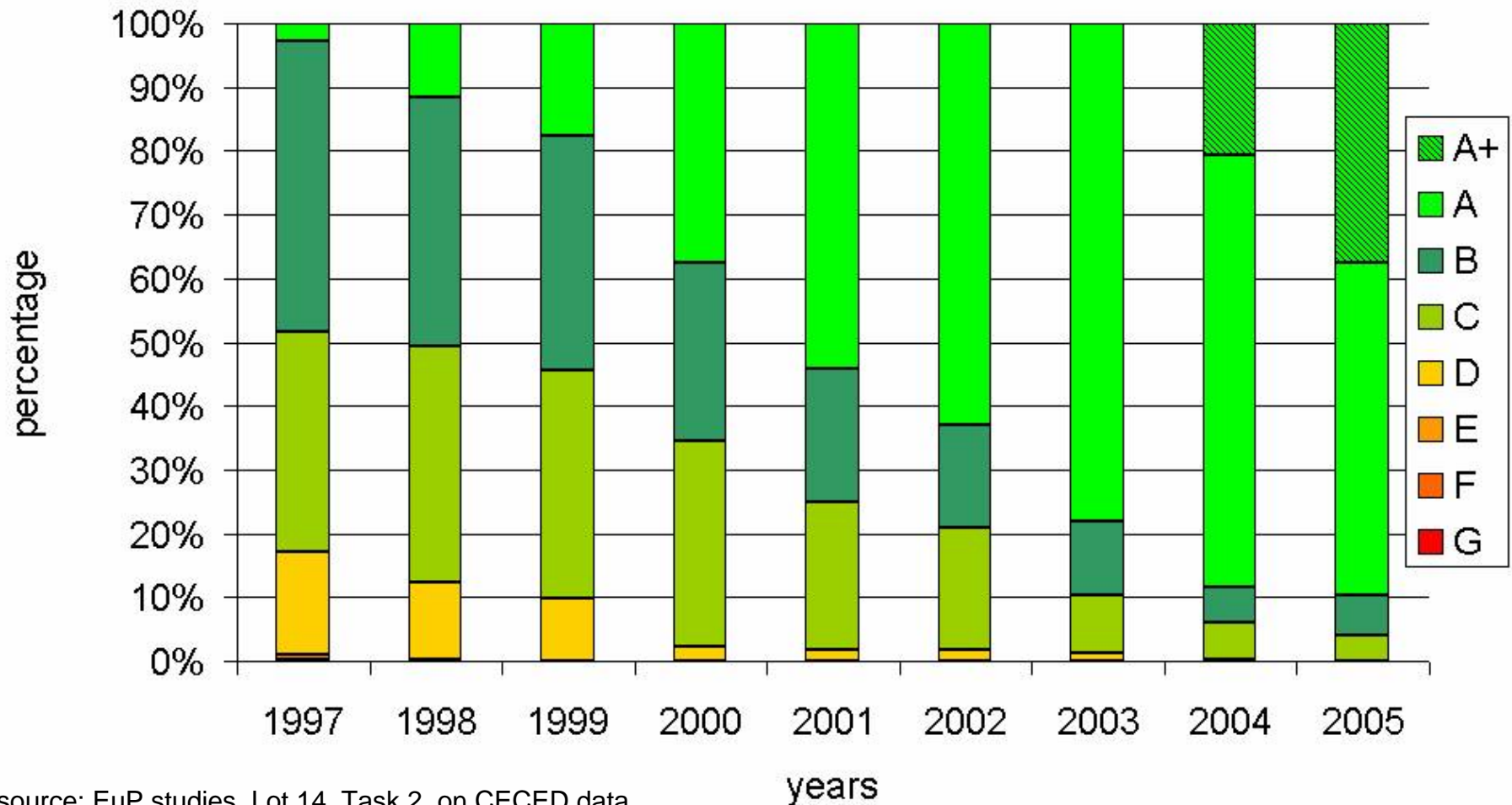
Cold appliances: Energy Efficiency Classes (all Categories)



source: EuP studies, Lot 13, Task 2, on CECED data

The EU energy labelling – washing machines

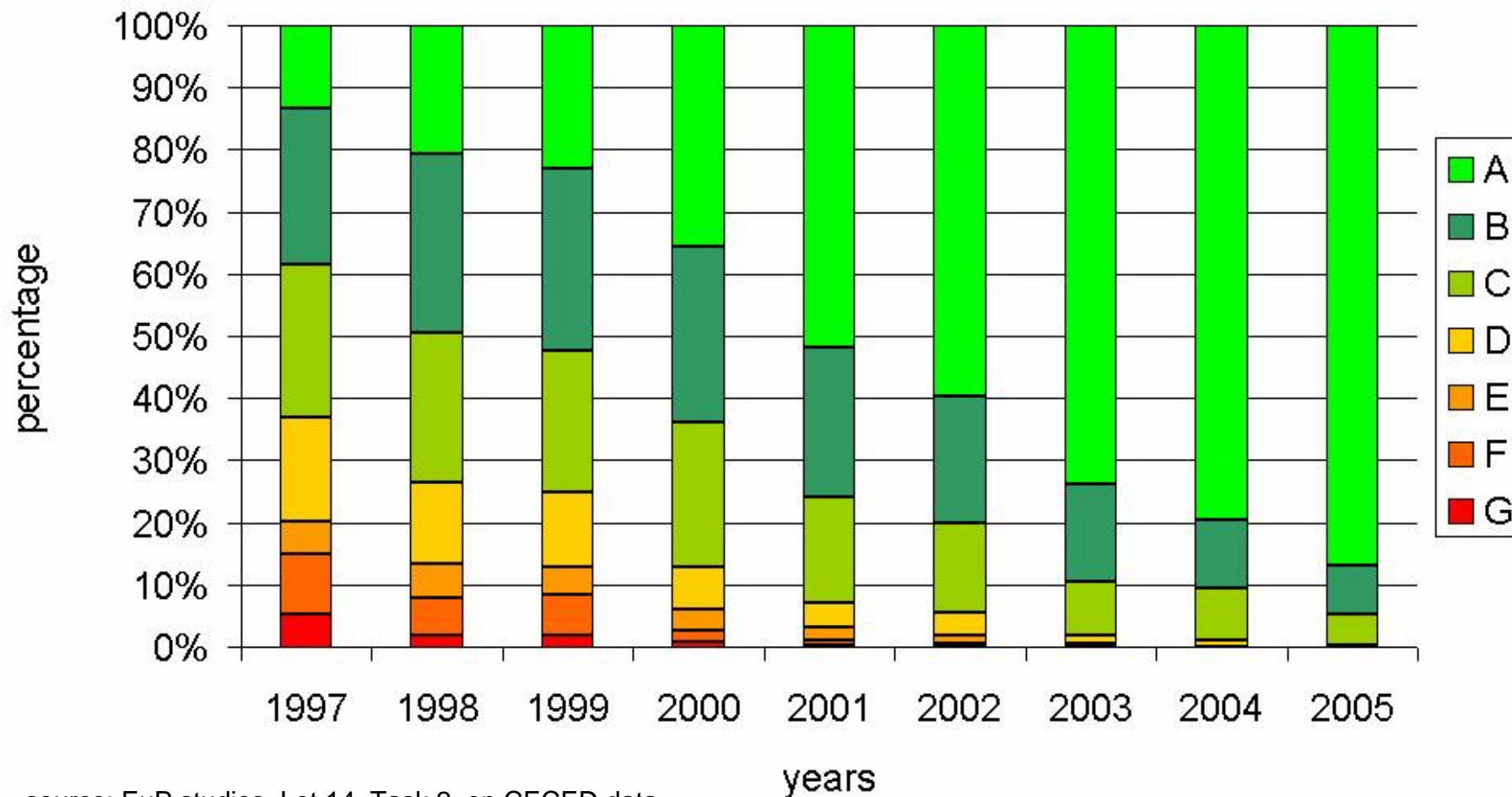
Washing machines: Energy Efficiency Class 1997 - 2005



source: EuP studies, Lot 14, Task 2, on CECED data

The EU energy labelling – washing machines

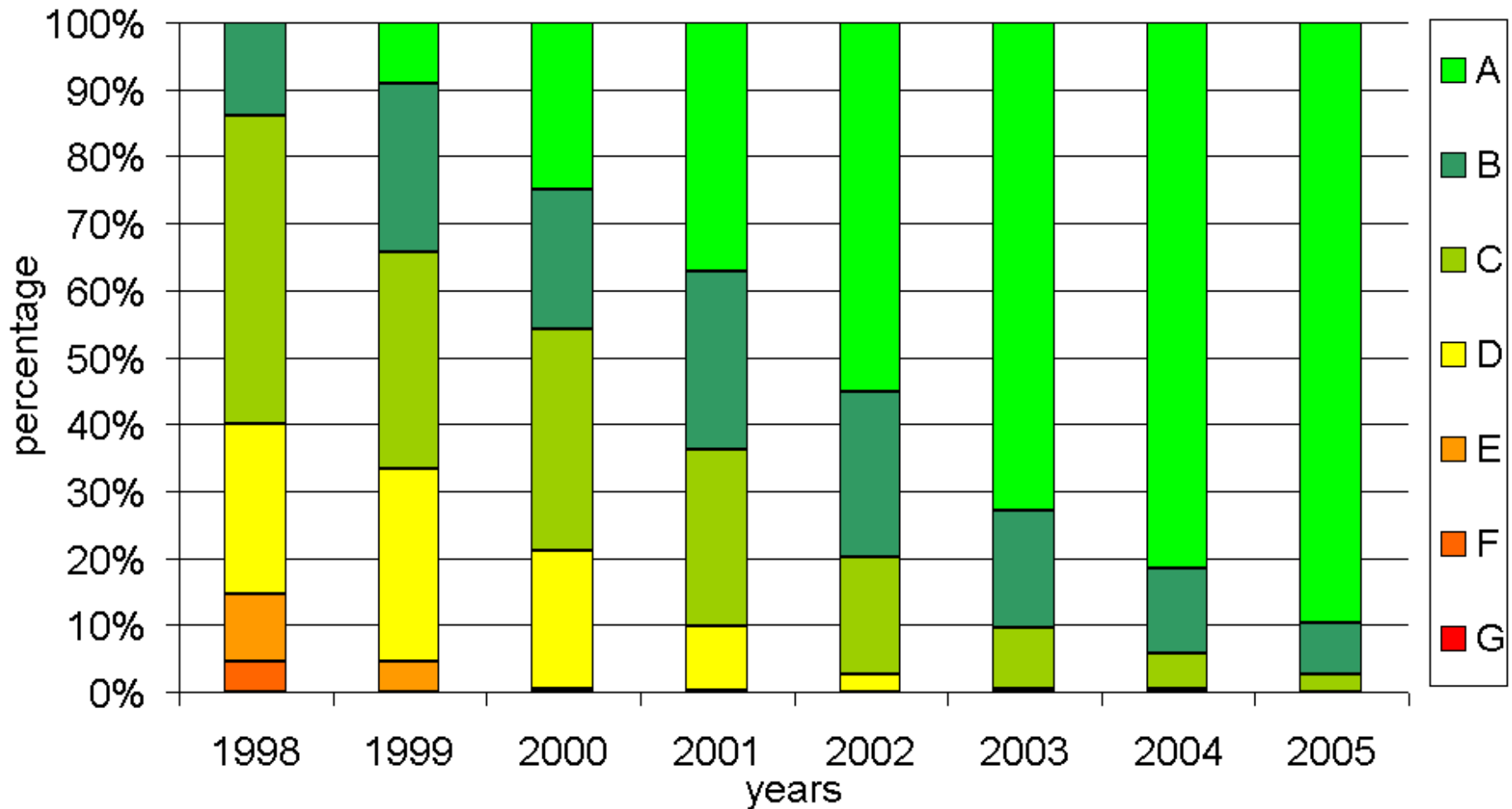
Washing machines: Washing Performance Class 1997 - 2005



source: EuP studies, Lot 14, Task 2, on CECED data

The EU energy labelling – dishwashers

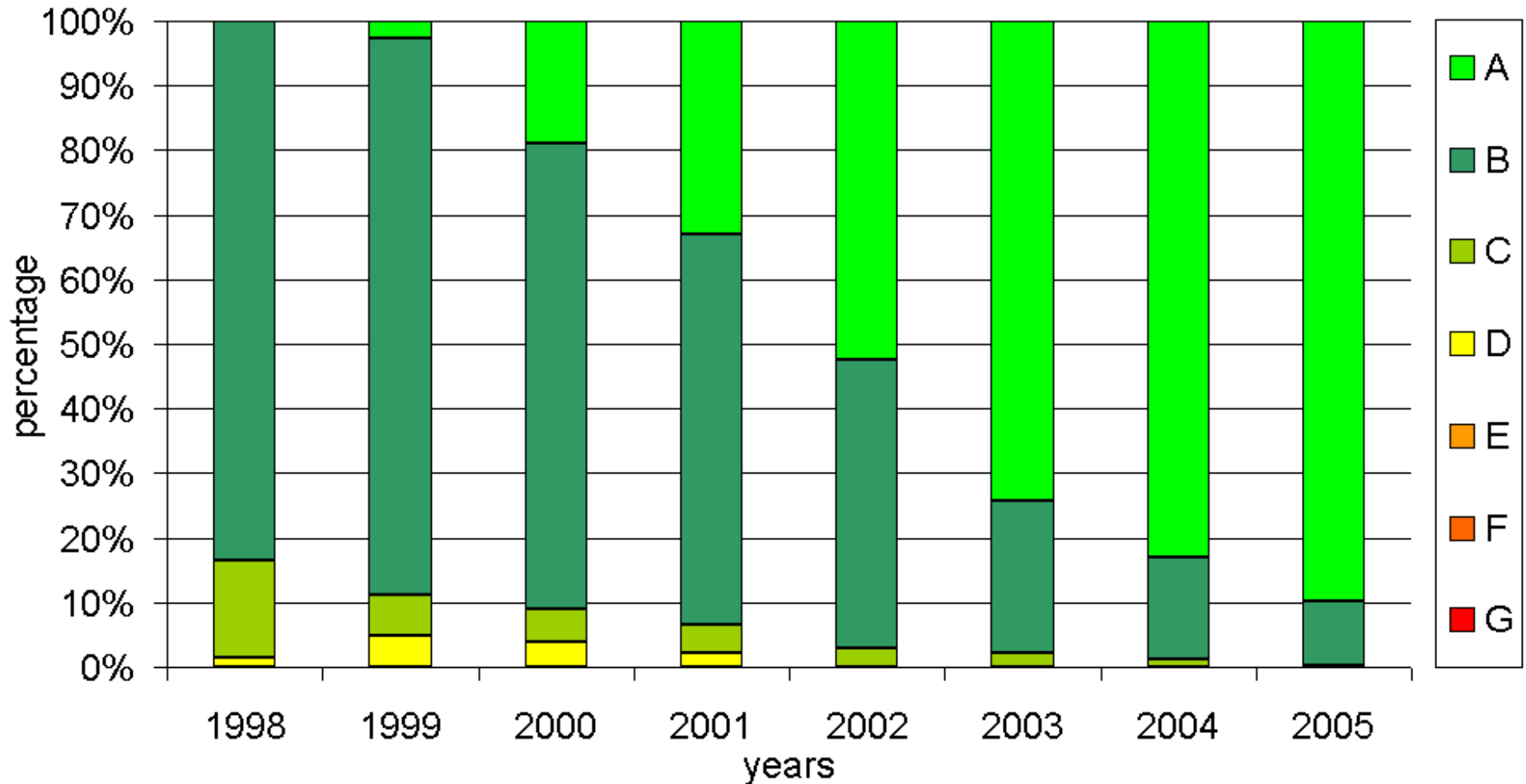
Dishwasher: Energy Efficiency Class



source: EuP studies, Lot 14, Task 2, on CECED data

The EU energy labelling – dishwashers

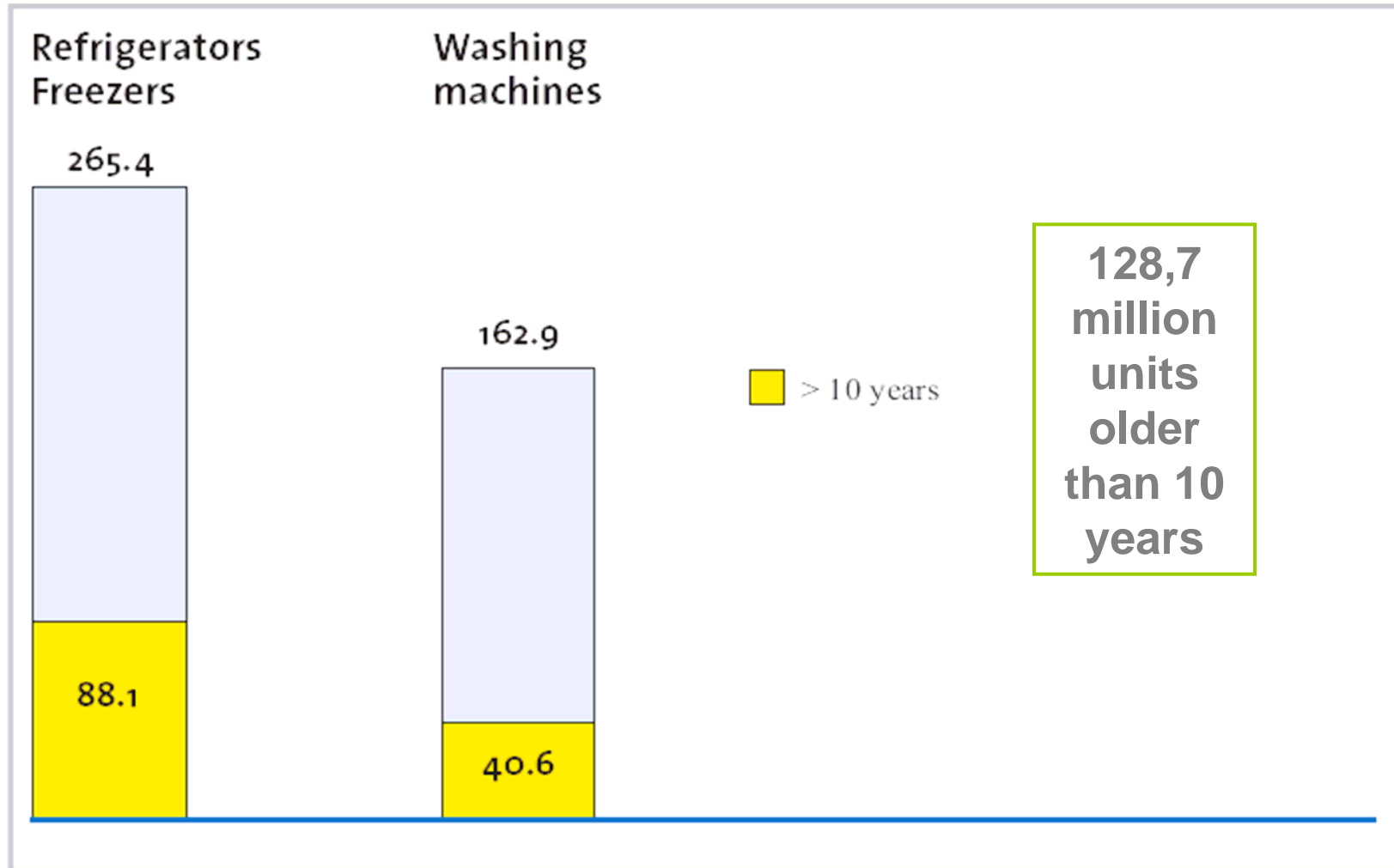
Dishwasher: Cleaning Performance Class



source: EuP studies, Lot 14, Task 2, on CECED data

Appliance stock and age

EU-25, 2004 (million units)



Source: Ceced estimation on GfK data for 12 major European countries