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Steering Committee of the
Energy Efficiency 21 project

Ecodesign, labels & green procurement for major appliances

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CONTENTS

- **Effect of current EU policies & measures**
- **A new policy “package” for EuPs**
- **Green procurement and labels**

EU POLICIES AND MEASURES FOR MAJOR APPLIANCES IN 1992-2010

Labelling Directive 92/75/EEC

Cold appliance Dir. 94/2/EC

Washing machine Dir. 95/17/EC

Dishwasher Dir. 97/17/EC

Washing machine VA-I

Dishwasher VA

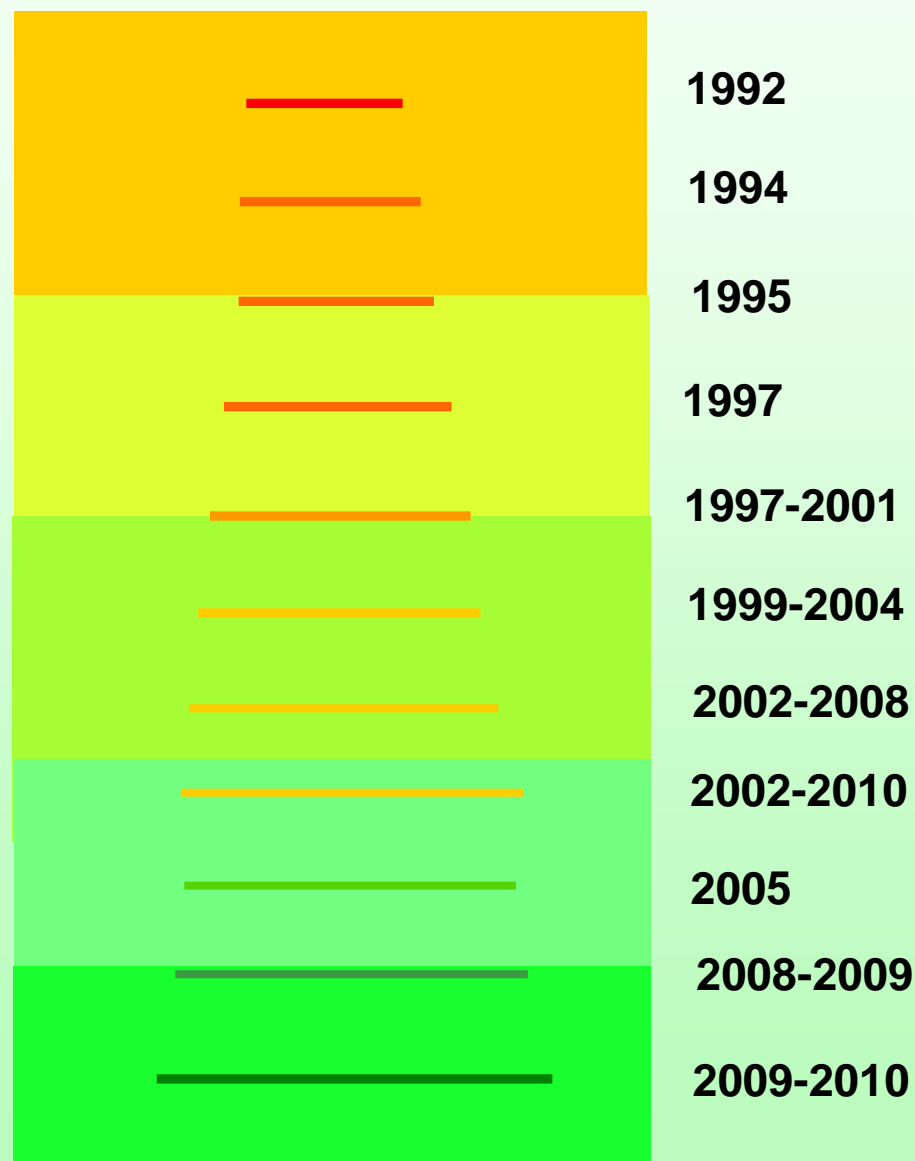
Washing machine VA-II

Cold appliance VA

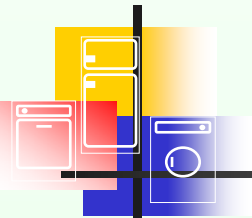
Ecodesing directive 2005/32/EC

EuP Regulations & labelling directives

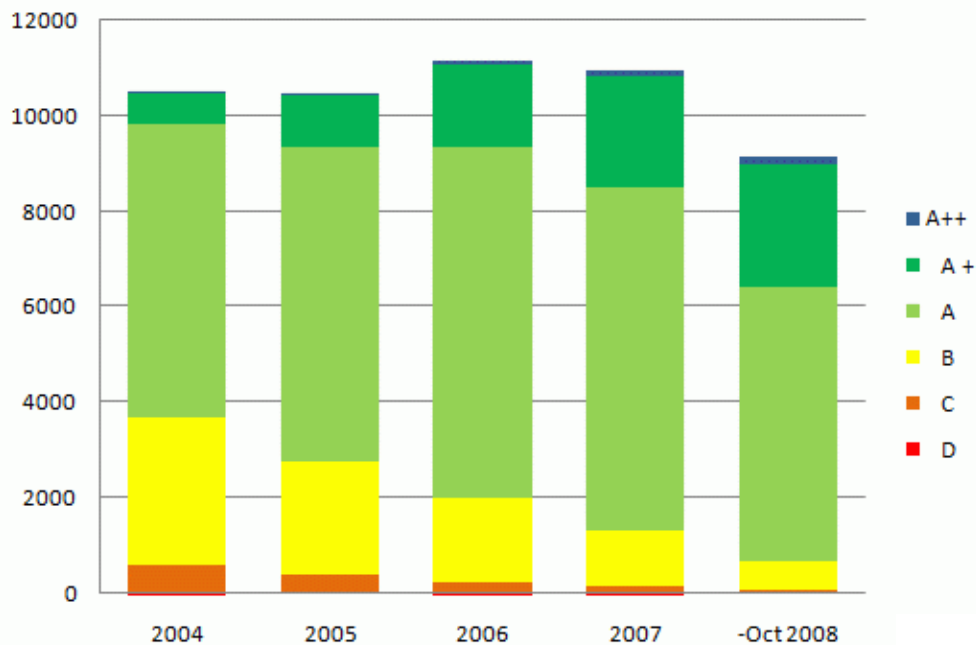
Recast labelling directive 92/75/EEC



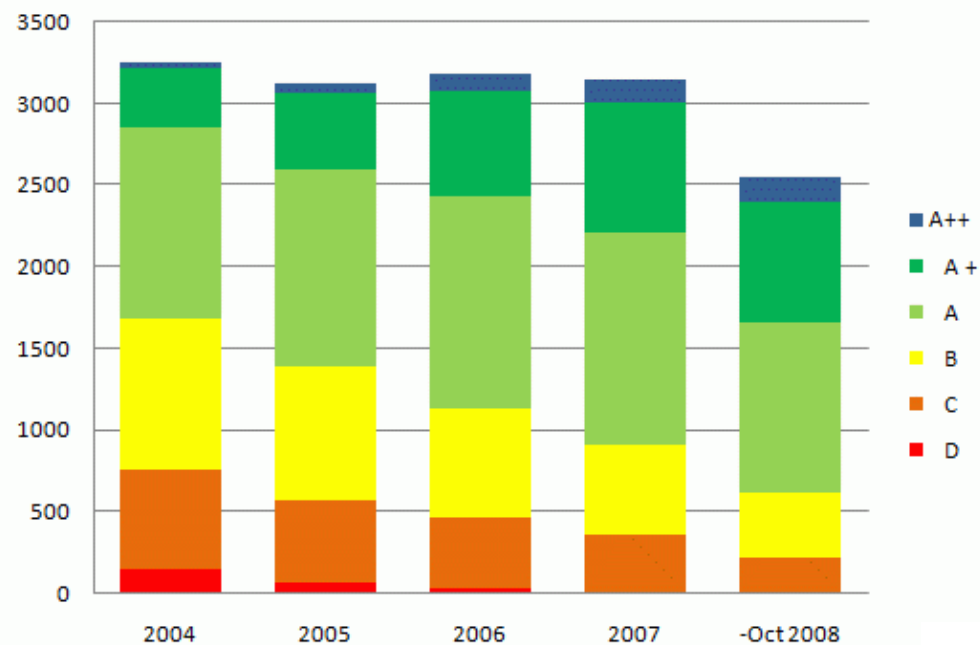
THE ENERGY LABELLING FOR REFRIGERATORS & FREEZERS IN EU COUNTRIES IN 2004-2008



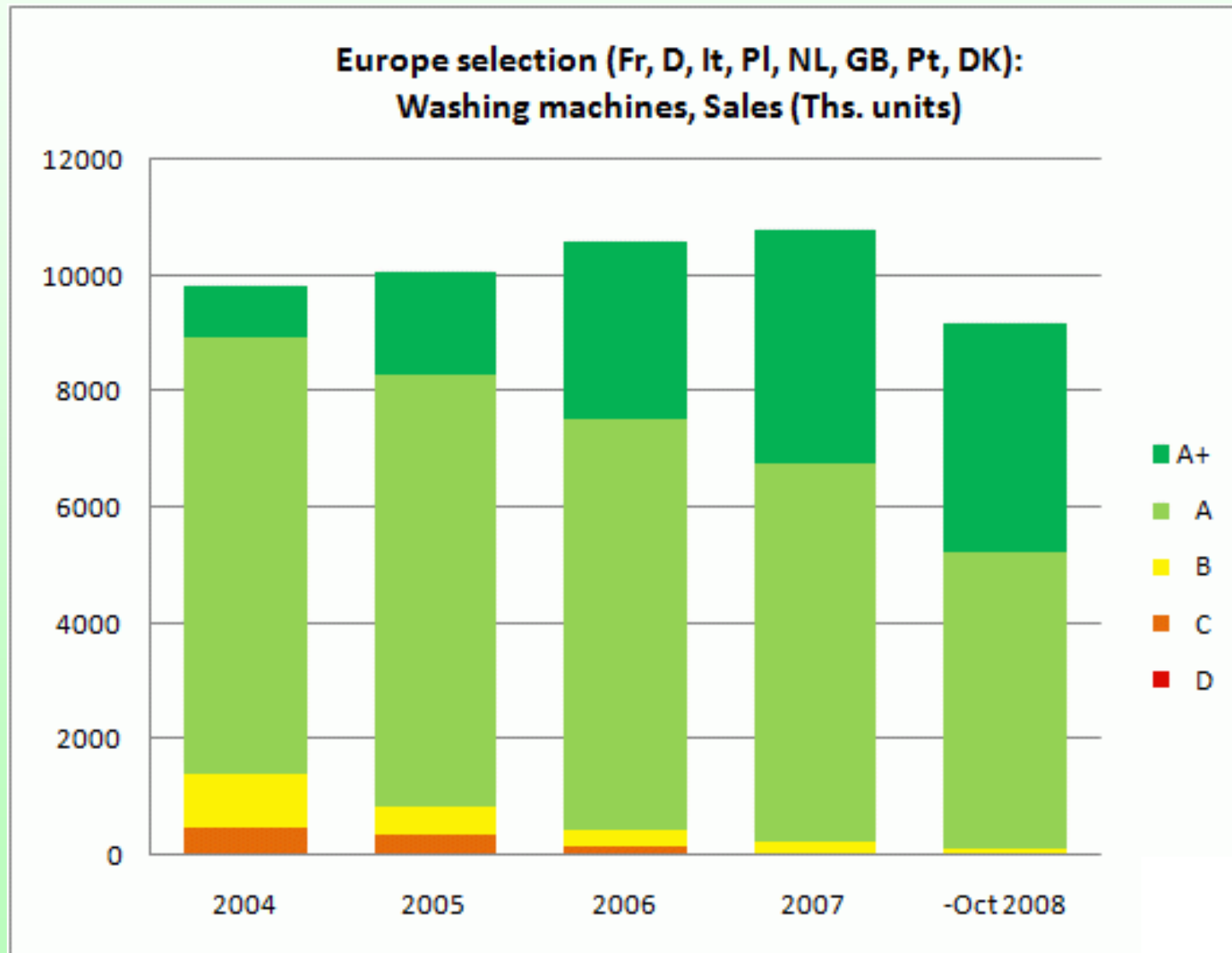
Europe selection (Fr, D, It, Pl, NL, GB, Pt, DK):
Cooling appliances, Sales (Ths. units)



Europe selection (Fr, D, It, Pl, NL, GB, Pt, DK):
Freezers, Sales (Ths. units)

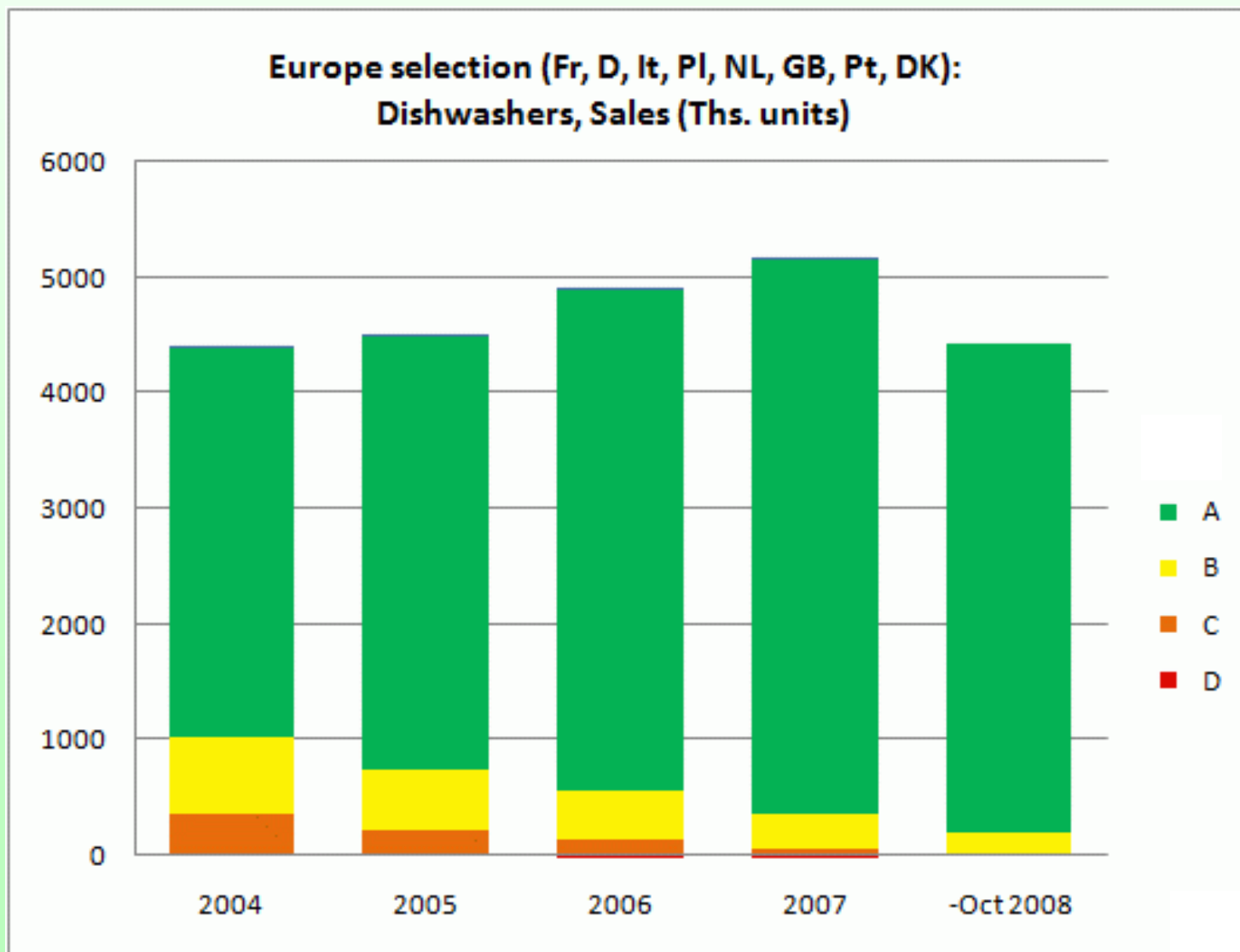


THE ENERGY LABELLING FOR WASHING MACHINES IN EU COUNTRIES IN 2004-2008



source: UK-DEFRA elaboration on GfK data

THE ENERGY LABELLING FOR DISHWASHERS IN EU COUNTRIES IN 2004-2008



source: UK-DEFRA elaboration on GfK data

ENERGY LABEL IMPACT ON ENERGY EFFICIENCY FOR REFRIGERATORS IN SELECTED EU COUNTRIES

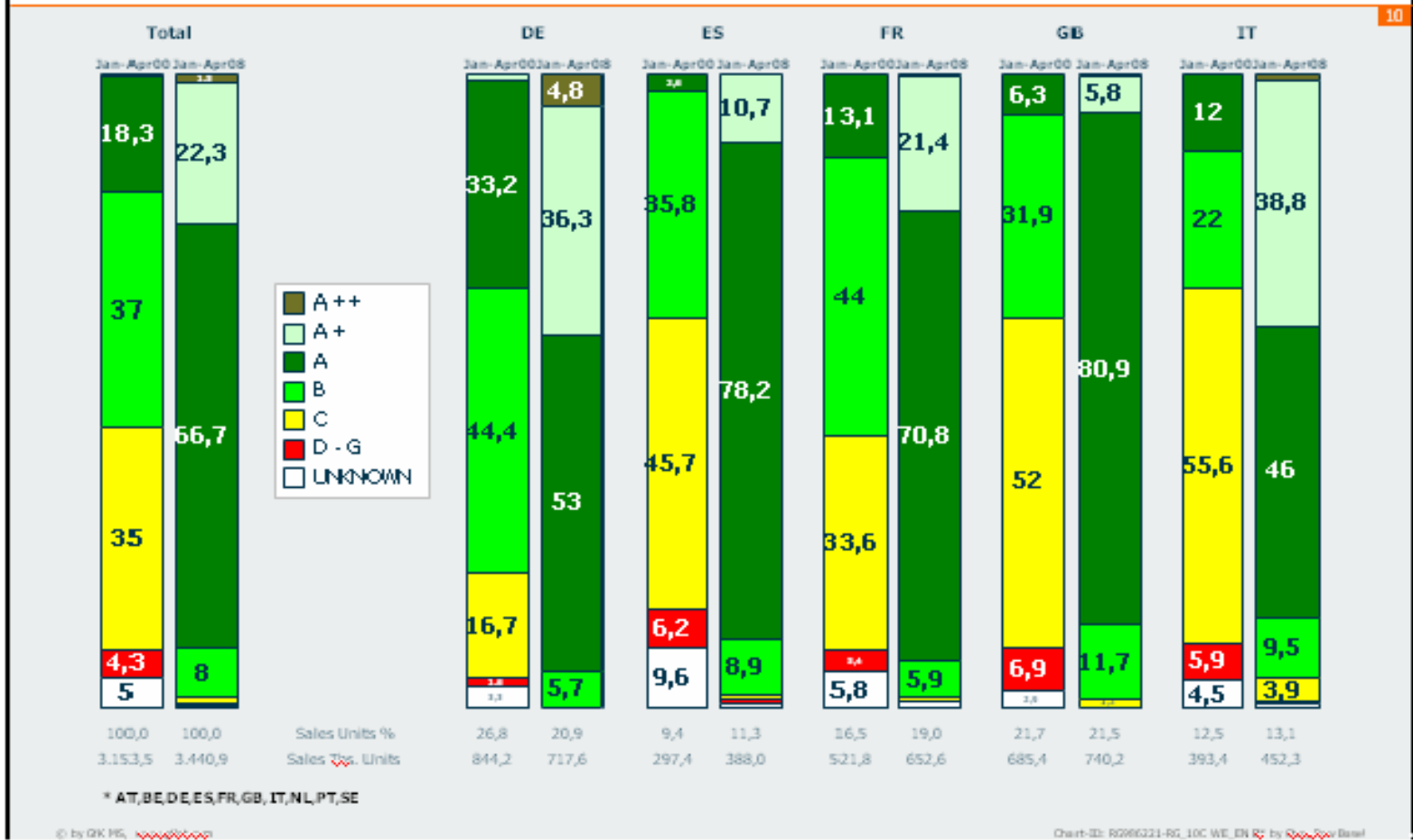
GfK Retail and Technology

Energy labeling in White Goods Anton Edel

JUNE 10, 2008

Sales Units %
Jan-Apr 2000/2008

GfK Panelmarket 10 countries Western Europe*
COOLING





A NEW “POLICY PACKAGE“ FOR EuPs ?

- When appropriate, a combination of generic and specific **ecodesign requirement(s)** and **labelling scheme**, sharing the same energy efficiency algorithms,
- considering, wherever possible, **all energy consumption modes** (standby, low power modes, on mode) in a overall **annual energy consumption**.
- The Annual Energy Consumption is used to calculate the **EEI** (Energy Efficiency Index), as the ratio between with the reference Standard Annual Energy Consumption in a reference year
- EEI values are then used to define the maximum annual energy consumption thresholds (ecodesign) and the energy efficiency ranking (energy labelling)

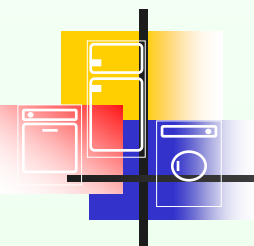
A NEW "ENERGY LABEL" FOR EuPs from 2011 ?

Energy	
Manufacturer Model	
More efficient	A
A	
B	
C	
D	
E	
F	
Less efficient	
G	
Energy consumption kWh/year <small>(Based on standard test results for 2010)</small>	325
<small>Actual consumption will depend on how the appliance is used and where it is located</small>	
Fresh food volume l	190
Frozen food volume l	126
Noise (dB(A) re 1 pW)	
<small>Further information is contained in product brochures</small>	
<small>Norme CE 100 May 1990 Refrigerator Label Directive (MEEC)</small>	



1 January 2011





GREEN LABELS PURCHASE – making a greener procurement with energy labels

- Promoting programme: European Commission, DG TREN «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 - June 2008
- EC/partner financing input: 500.521,00 €/500.819,00 €
- **Sub-Regional Project of EE21**
- **Final report** downloadable at: www.greenlabelspurchase.net

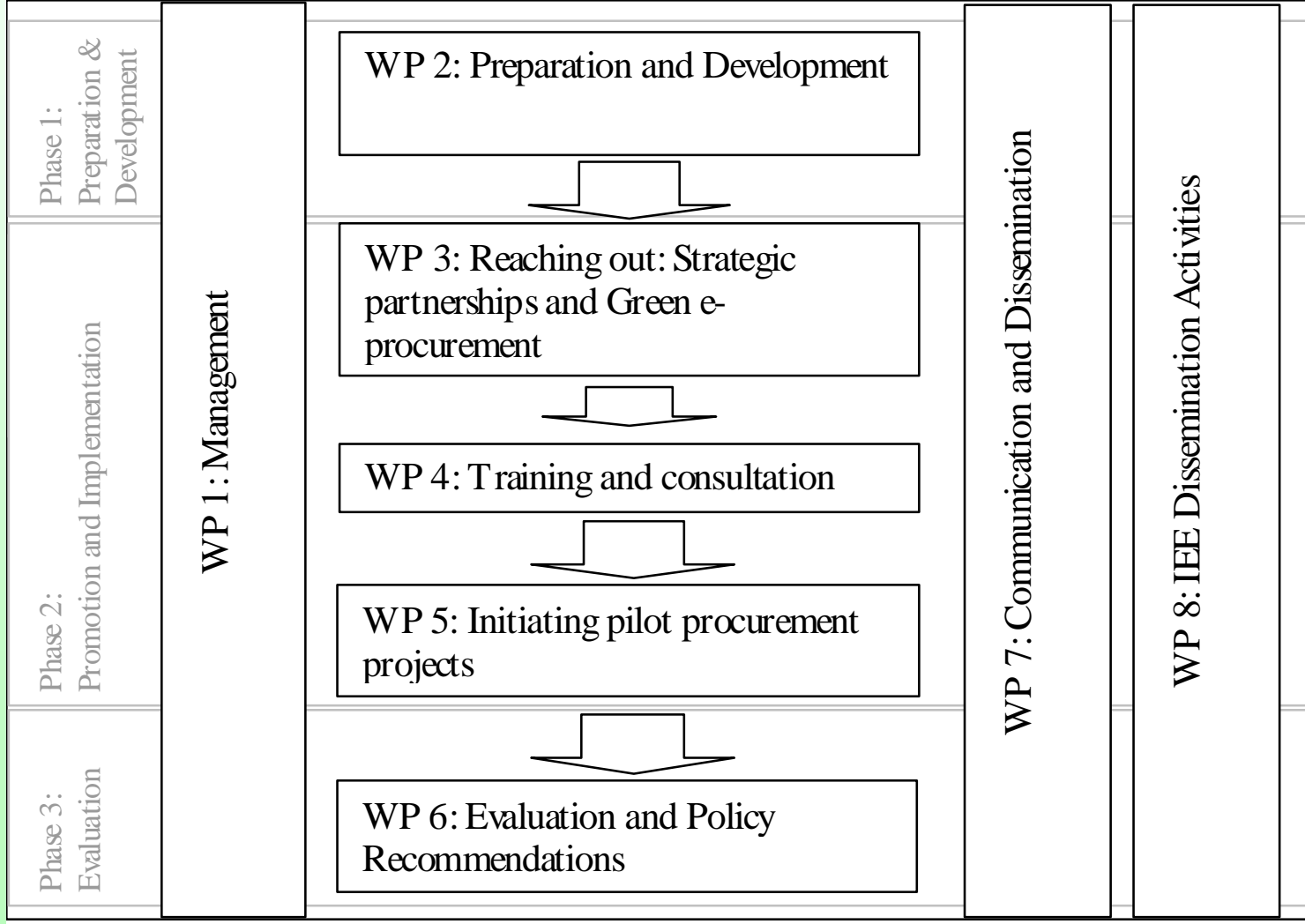
MORE GREEN (PUBLIC) PROCUREMENT IN THE EU: THE "BUY SMART" PROJECT (1/3)



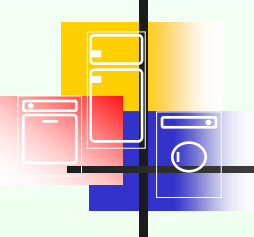
- Promoting programme: European Commission, DG TREN
«Intelligent Energy Europe»,
SAVE actions
- Involved countries: Austria, Czech Republic, Germany,
Italy, Latvia, Slovenia, Sweden
- Project leader: Berliner Energieagentur (DE)
- Starting date & duration: May 2009, 30 months
- EC financing input: 656.304,00 €
- Co-financing partner input: 220.198,00 €
- **Proposed Sub-Regional Project of EE21**
- Web site: www.buy-smart.info (August 2009)

three project Phases . . .

BUY SMART - green procurement for smart purchasing (2/3)



... and eight Work Packages



BUY SMART - green procurement for smart purchasing (3/3)



PROJECT OBJECTIVES

- To raise awareness and promote green procurement among private and public purchasers
- To co-operate with e-procurement platforms to integrate green procurement modules and green criteria in e-procurement procedures
- To provide training and assistance for the implementation of green procurement pilot projects
- To elaborate policy recommendations for a better green procurement, to be integrated into the revised NEEAPs (National Energy Efficiency Action Plans) in 2011



Thank-you for your attention !

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