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# Energy efficiency, labelling and green procurement



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## Italian National Agency for New Technologies, Energy and Sustainable Economic Development

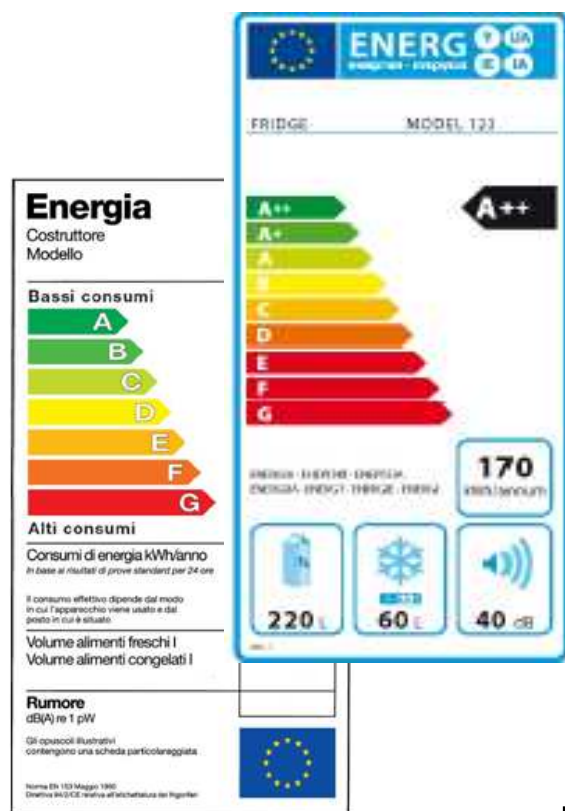
The Agency activities are targeted to:  
“research, innovation technology and advanced services in the fields of energy - especially nuclear energy - and sustainable economic development”.



**9 Research Centres and 5 Research Laboratories**



# The EU energy label for energy related products



## Directive 2010/30/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 May 2010

on the indication by labelling and standard product information of the consumption of energy and other resources by energy-related products (recast of Directive 92/75/EEC)

# A new energy label for refrigerators and freezers

Implementation expected from:

- January 2011 on a voluntary basis
- January 2012 mandatory

New classes A+/A++A+++  
on top of class A

7 classes, more than 7  
classes only if occupied

Language neutral with  
use of pictograms



# A new energy label for washing machines and dishwashers



buy smart

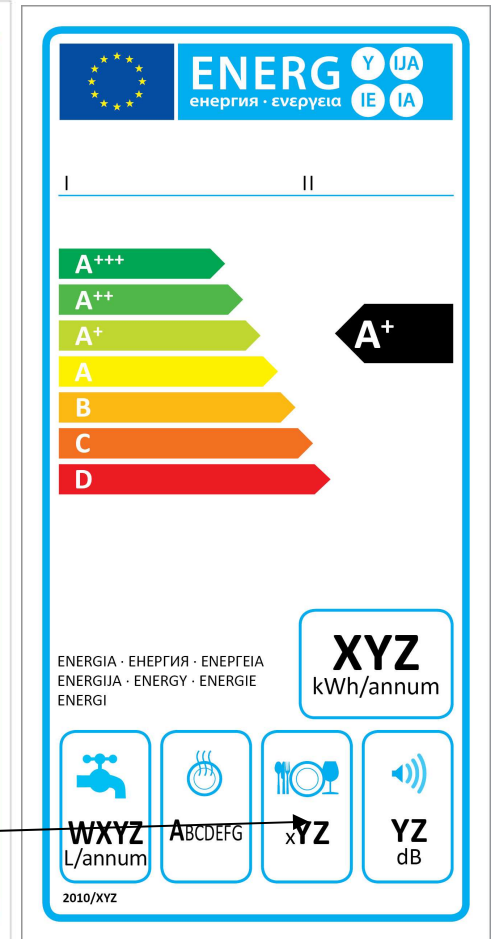
Green Procurement  
for Smart Purchasing

- Implementation expected from:
- January 2011 on a voluntary basis
  - January 2012 mandatory

Overall annual energy consumption including low power modes

Annual water consumption

(Spin) drying efficiency



# A new energy label for TVs



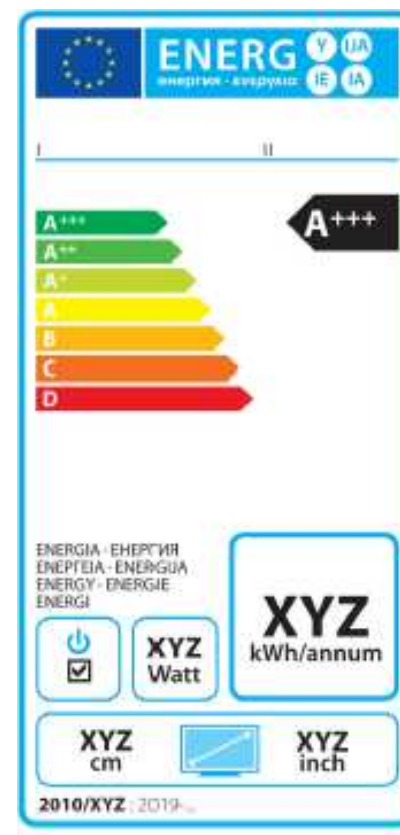
January 2012



January 2013



January 2016



January 2019

According to the European Commission

**“Green Public Procurement** is the approach by which Public Authorities integrate environmental criteria into all stages of their procurement process, thus encouraging the spread of environmental technologies and the development of environmentally sound products, by seeking and choosing outcomes and solutions that have the least possible impact on the environment throughout their whole life-cycle”

# The Buy-Smart project



## 8 partners from 7 Member States:

- Germany: Berliner Energieagentur (co-ordinator)  
B.&S.U. mbH
- Austria: O.Ö. Energiesparverband
- Italy: ENEA
- Slovenia: ZRMK
- Latvia: Ekodoma
- Czech Rep.: SEVEn
- Sweden: Energikontor



## Sub-Regional Project of EE21

Duration: 30 months (01/05/2009 – 31/10/2011)

EC/partner financing input : 656.304,00/ 220.198,00 €



# The Project in brief



- **Target groups:** private and public institutions
- **Approach:** collaboration with e-procurement platforms and trade associations
- **Output:**
  - information through guidelines, performance sheets and calculation tools
  - consultations, in-house consultations, training events, pilot projects
  - good practice database with at least 200 examples
  - information about energy labels and new energy labelling scheme
  - evaluation and transposition of the results for the NEEAPs in 2011

# Expected results



- 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

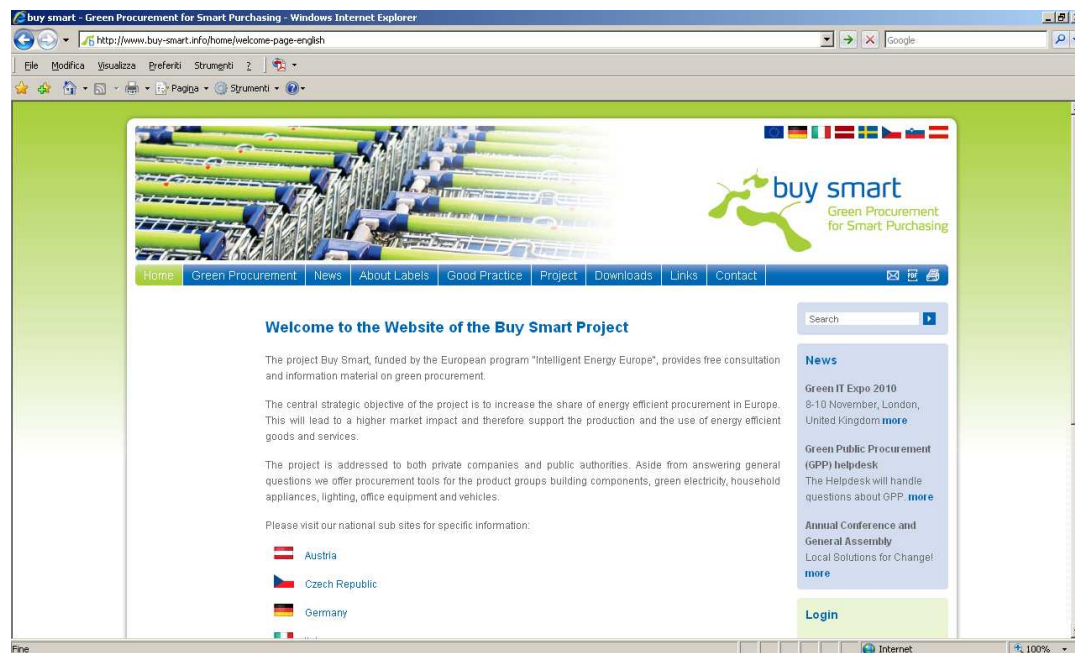
# Developed Supporting Tools



A set of standardized supporting tools are now available for download from the project website, to help public and private institution in developing green procurement actions:

- Guidelines
- Performance Sheets
- Calculation Tools
- Free consulting

[www.buy-smart.info](http://www.buy-smart.info)



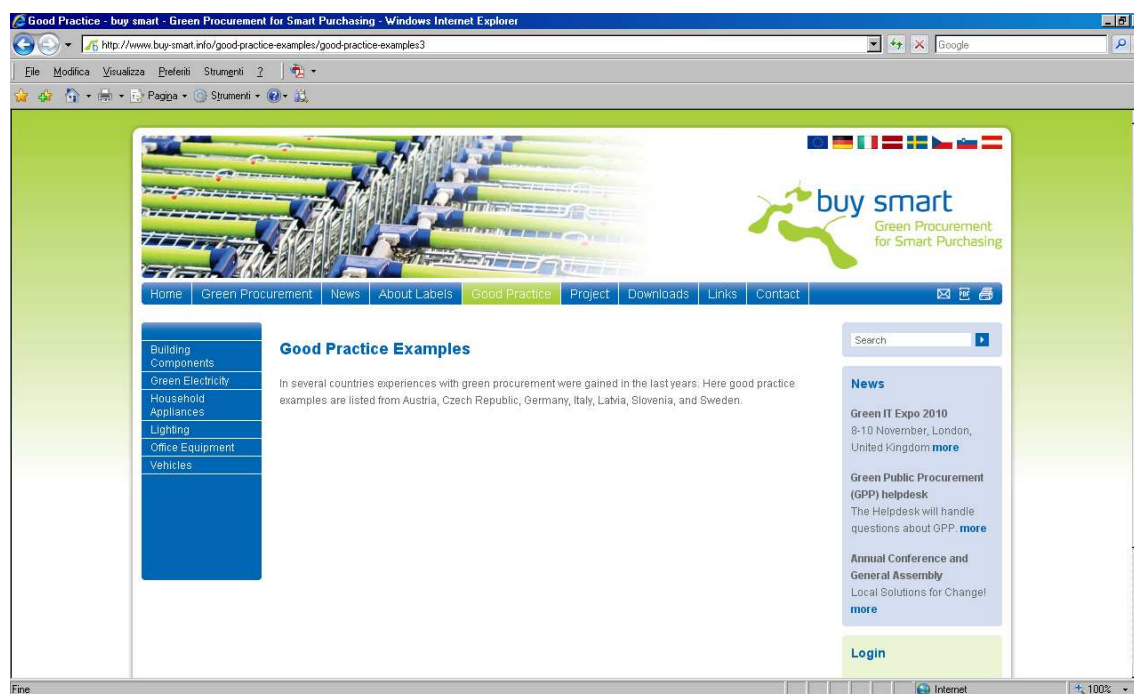
# Good Practice examples



A number of good practice examples from project partners have been collected and are also downloadable :

Good practice examples:

- IT
- lighting
- Household appliances
- Electricity from RES
- Vehicles
- Building components



[www.buy-smart.info/good-practice-examples](http://www.buy-smart.info/good-practice-examples)

# For further information

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# ENEA

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<http://www.buy-smart.info>