



LIFE-2023-CET

EPREL as support tool in purchase choice and procurement of energy-labelled products

LIFE CET Info Day, 1st June 2023



Paolo TOSORATTI, Policy officer

DG ENERGY, Energy Efficiency: Buildings and Products

EU Policy Framework for Energy Efficiency

Energy Efficiency

Directive 2012/27/EU

Energy Performance of Buildings

Directive (EU) 2018/844

Ecodesign

Directive 2009/125/EC

Energy Labelling

Regulation (EU) 2017/1369

Tyre Labelling

Regulation (EU) 2020/740

Energy efficiency first!

Financing Energy Efficiency

European Structural Investment Fund; Horizon 2020; LIFE + funding;
European Fund for Strategic Investments; Member State programmes; etc.

Policies complementarity and synergy

Ecodesign

Targets **manufacturers**

Sets **minimum requirements**

Over 40 product groups



Energy Labelling

Targets **customers**

Provides **information**

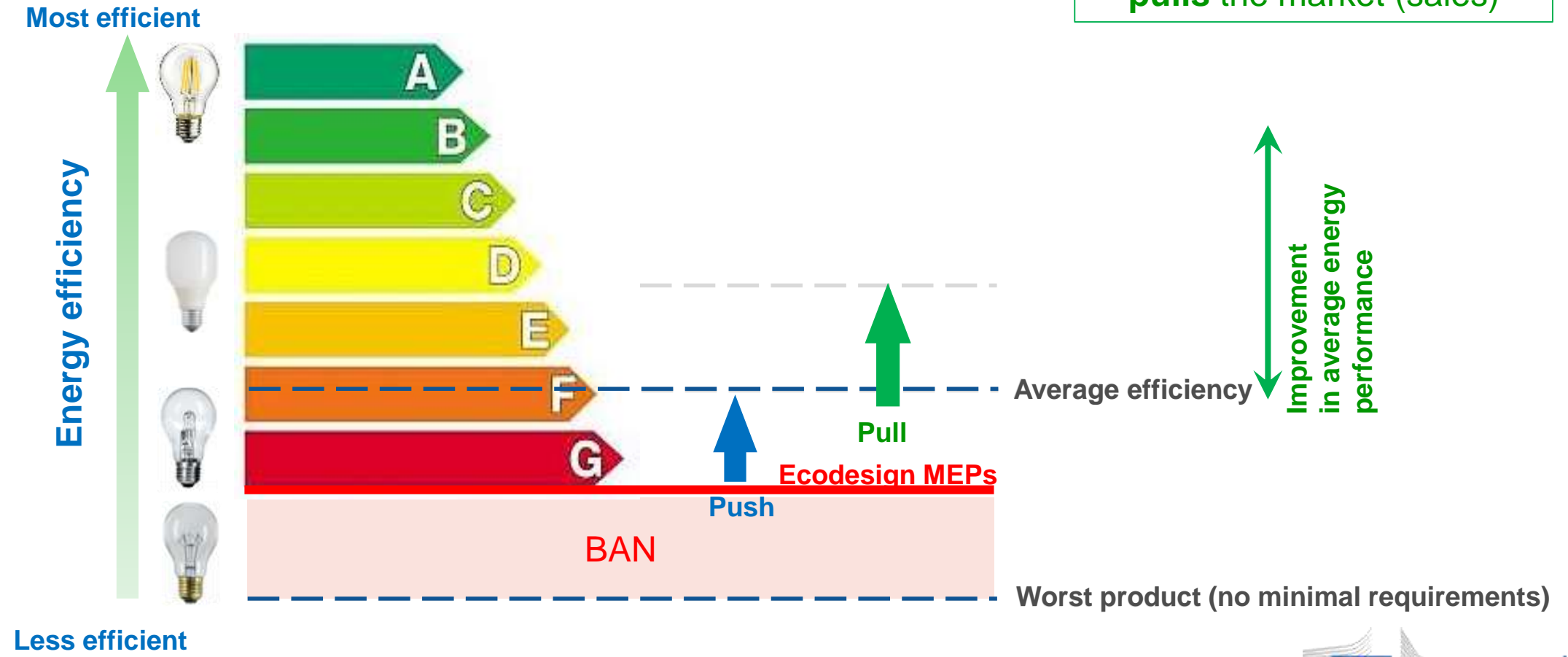
Over 30 product groups



Push and pull combined effect

Ecodesign:
targets manufacturers,
pushes the market (models)

Energy Labelling:
targets **customers**,
pulls the market (sales)

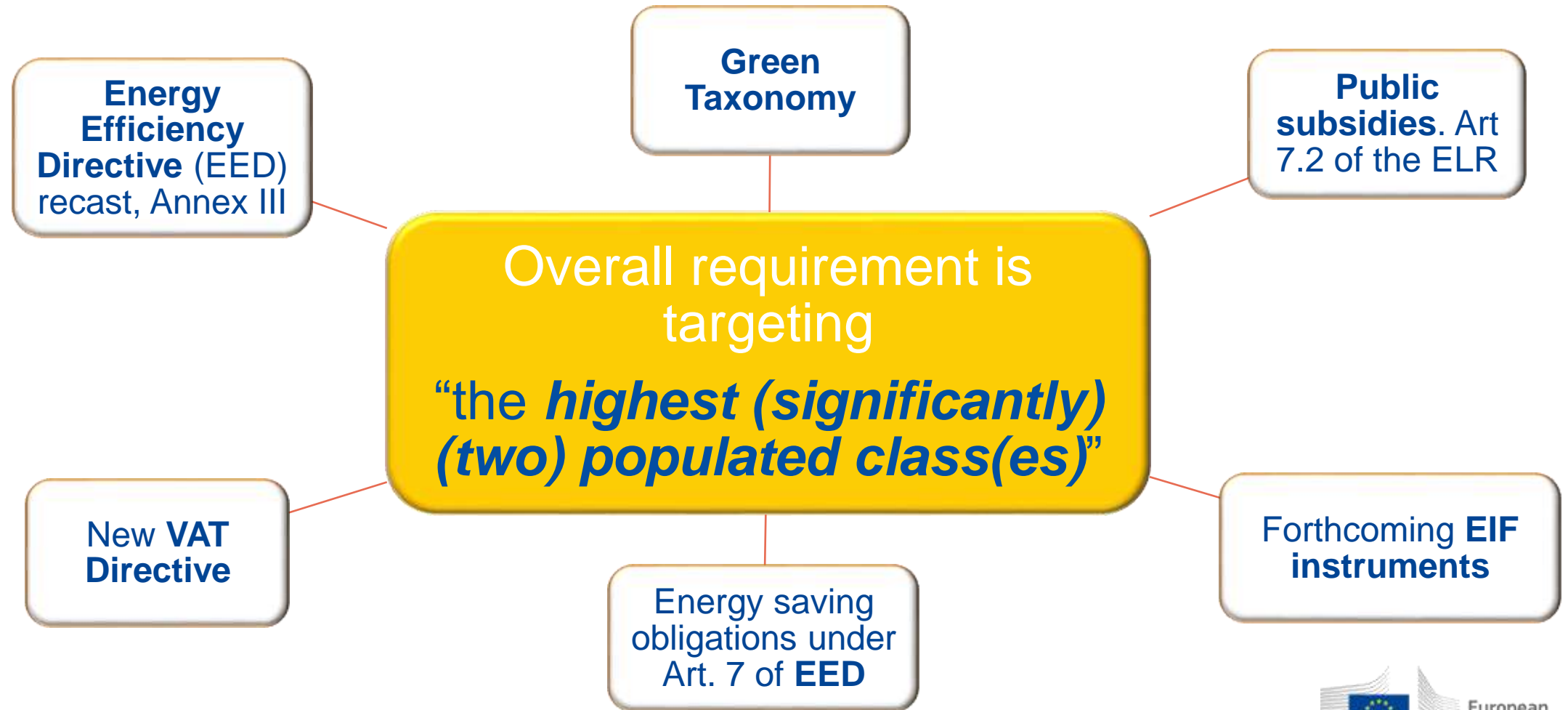


Example of GPP «static» selection criteria

- EU green public procurement criteria for computers, **monitors**, tablets and smartphones, [SWD\(2021\) 57 final](#) :

| TS19 Minimum energy performance for monitors | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Applicable to computer displays.</i> | <i>Applicable to computer displays from 31 March 2021.</i> |
| The Energy Efficiency Index for each model delivered as part of the contract must be in the range of Energy Classes A-D as set out in Annex I of Commission Delegated Regulation (EU) No 2019/2013 ⁴ . | The Energy Efficiency Index for each model delivered as part of the contract must be in the range of the following classes [A; D] (to be defined by the contracting authority according to the methodology described in the explanatory note below). |
| Verification: For each model delivered, the tenderer must provide the valid Energy Label issued according to the EU's Energy Labelling framework Regulation (2017/1369). | Verification: For each model delivered, tenderers must provide the valid Energy Label issued according to the EU's Energy Labelling framework Regulation (2017/1369). |
| Products labelled as Class A, B, C or D will be deemed to comply. | Products holding a relevant Type I Ecolabel fulfilling the specified requirements will be deemed to comply. |
| Explanatory note: Definition of the requested energy classes The contracting authority should refer to the top two EU energy classes available at the time of the tender, which include at least 25 registered monitor models under the European Product Database for Energy Labelling (EPREL). As of 31 March 2021, computer monitor suppliers will register their devices in the EPREL Database, before selling them on the European market. Contracting authorities (and consumers) will be able to search the product database for energy labels and product information sheets, including the energy class. The availability of devices with the requested performance and characteristics can be verified directly through the EPREL Database. Screen diagonal in cm and screen resolution in pixel are examples of the information included in the product information sheet. | |

Energy Labelling in Green Public Procurement



Label classes: criteria for population distribution

- Where a label is introduced or rescaled, the Commission shall ensure that **no products are expected to fall into energy class A** at the moment of the introduction of the label and the estimated time within which a majority of models falls into that class is at least **10 years later**. (art 11.8 of ELR 2017/1369)
- Where technology is expected to develop more rapidly, requirements shall be laid down so that **no products are expected to fall into energy classes A and B** at the moment of the introduction of the label. (art 11.9 of ELR 2017/1369)

👉 Unfeasible to target class A or B

👉 Suboptimal to target C or D...

Example of «dynamic» selection criteria

Labelling Regulation (EU) 1017/1369

Article 7

Obligations of Member States

1. Member States shall not impede the placing on the market or putting into service, within their territories, of products which comply with this Regulation and the relevant delegated acts.
2. Where Member States provide incentives for a product specified in a delegated act, those incentives shall aim at the **highest two significantly populated classes** of energy efficiency, or at higher classes as laid down in that delegated act.



EPREL

of 4 June 2021

supplementing Regulation (EU) 2020/852 of the European Parliament and of the Council by establishing the technical screening criteria for determining the conditions under which an economic activity qualifies as contributing substantially to climate change mitigation or climate change adaptation and for determining whether that economic activity causes no significant harm to any of the other environmental objectives

Technical screening criteria

Substantial contribution to climate change mitigation

The economic activity manufactures one or more of the following products and their key components⁹⁴:

- (a) windows with U-value lower or equal to 1,0 W/m²K;
- (b) doors with U-value lower or equal to 1,2 W/m²K;
- (c) external wall systems with U-value lower or equal to 0,5 W/m²K;
- (d) roofing systems with U-value lower or equal to 0,3 W/m²K;
- (e) insulating products with a lambda value lower or equal to 0,06 W/mK;
- (f) household appliances falling into the **highest two populated classes of energy efficiency** in accordance with Regulation (EU) 2017/1369 of the European Parliament and of the Council⁹⁵ and delegated acts adopted under that Regulation;
- (g) light sources rated in the **highest two populated classes of energy efficiency** in accordance with Regulation (EU) 2017/1369 and delegated acts adopted under that Regulation;
- (h) space heating and domestic hot water systems rated in the **highest two populated classes of energy efficiency** in accordance with Regulation (EU) 2017/1369 and delegated acts adopted under that Regulation;
- (i) cooling and ventilation systems rated in the **highest two populated classes of energy efficiency** in accordance with Regulation (EU) 2017/1369 and delegated acts adopted under that Regulation;

The Green Taxonomy

EPREL

EPREL - European Product Registry for Energy Labelling



Dishwashers



Washing machines



Washer-dryers



Televisions, monitors and other displays



Fridges, freezers and wine storage



Fridges and freezers with sales function, beverage coolers and ice cream freezers



Tyres



Light sources



Air conditioners



Domestic ovens



Range hoods

Hooded



Local space heaters



Professional refrigerated storage cabinets



Solid fuel boilers



Packages of a solid fuel boilers



Packages of space heaters/combination heaters



Temperature controls for space heaters



Solar devices for space heaters

Legal basis: framework
**Labelling Regulation
(EU) 2017/1369**

Since 1 January 2019
suppliers must register
each product model
prior to placing them on
the EU market

About 1.5 million
registered product
models from 30 product
groups

Since 1 April 2022
consumers/procurers
have access to the
public information

The only database
where all models on
the EU market are
(should be) found

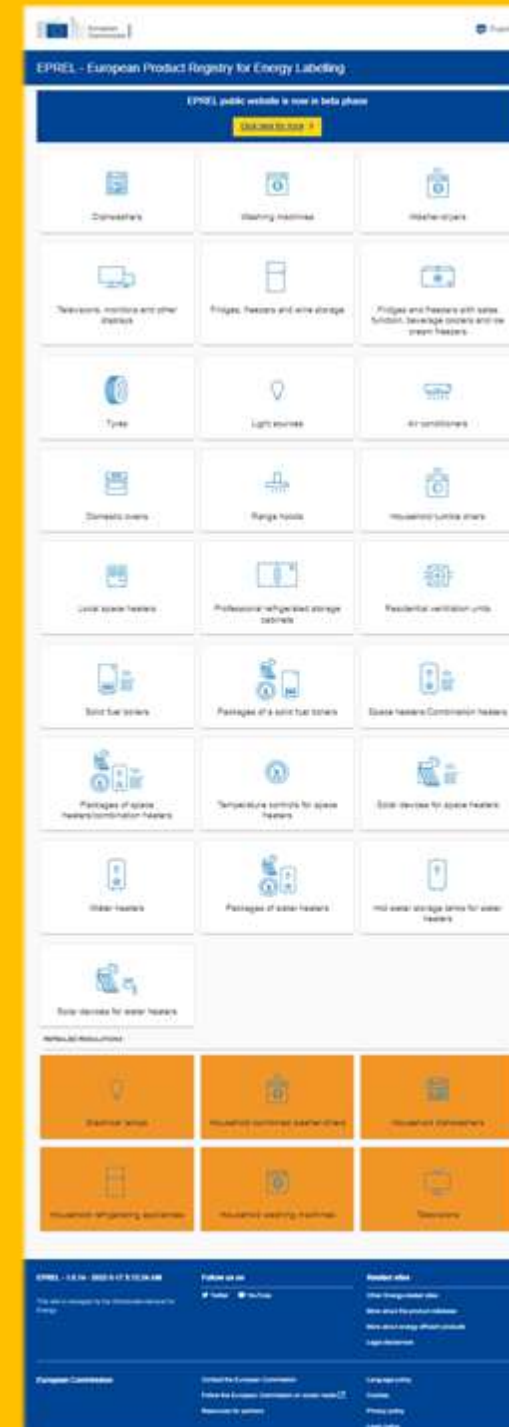
The demo

How to identify the highest «significantly» populated classes?

Examples:

- *Bus tyres (bus fleet)*
- *24” HD computer monitors (comp. room)*

[EPREL http://eprel.ec.europa.eu\)](http://eprel.ec.europa.eu)



EPREL - European Product Registry for Energy Labelling

EPREL public website is now in beta phase

Click here to test it

Cookers

Washing machines

Dishwashers

Televisions, monitors and other displays

Fridges, freezers and wine storage

Fridges and freezers with built-in freezers, freezers and wine storage, and freezers

Tyres

Light sources

Air conditioners

Domestic ovens

Range hoods

Household tumble driers

Local space heaters

Professional refrigerated storage cabinets

Residential ventilation units

Solid fuel stoves

Packages of a solid fuel stove

Gas heaters/Convector heaters

Packages of space heaters/convector heaters

Temperature controls for space heaters

Solid devices for space heaters

Water heaters

Packages of water heaters

Hot water storage tanks for water heaters

Solid devices for water heaters

Refrigerated freezers

Electrical stoves

Household refrigerated freezers and other

Household refrigerators

Household refrigerating appliances

Household washing machines

Televisions

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Register your

What's new in EPREL

How to use EPREL

How to use EPREL (beta phase)

EPREL logo

European Commission

EPREL - European Product Registry for Energy Labelling

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EPREL logo

European Commission

Further discussions: EUSEW, 21 June 2023



Energy Efficiency

Tapping the green, industrial and technological potential of energy efficient products via digital tools

📅 21 June 2023

🕒 09:30 - 11:00 CEST

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Digital tools can help to promote the green, industrial and technological potential of energy-efficient products. For example, the European Product Registry for Energy Labelling (EPREL) could be a very useful database to boost energy efficiency in different processes such as green procurement, taxonomy or market surveillance. Besides, there are also great examples and big potential at a retail level (both in online and traditional shops) to make the EU energy label of products more visible and to help consumers make an informed purchase choice.

Speakers



Nick Dornheim
Adviser Sustainability &...
EuroCommerce



Sophie Attali
Founder, Manager
Guide Topten



Silvia Barlassina
Ecodesign Project...
BEUC – the European...



Marie Baton
Consultant Senior Adviser
CLASP



Niels Ledefoged
Team Leader for Ecodesig...
Directorate-General for...



Paolo Tosoratti
Policy Officer for Ecodesig...
Directorate-General for...

Thank you

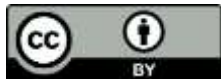
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