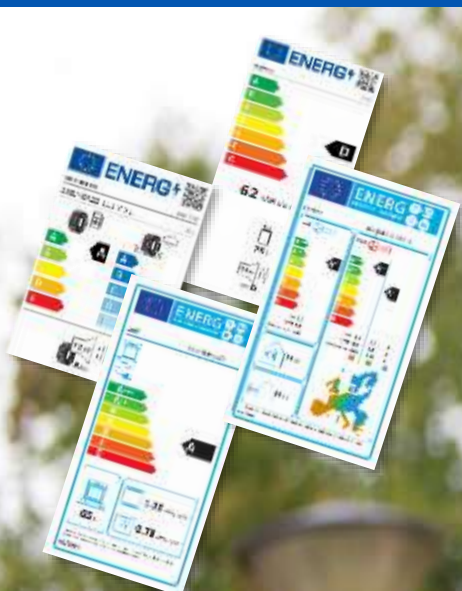
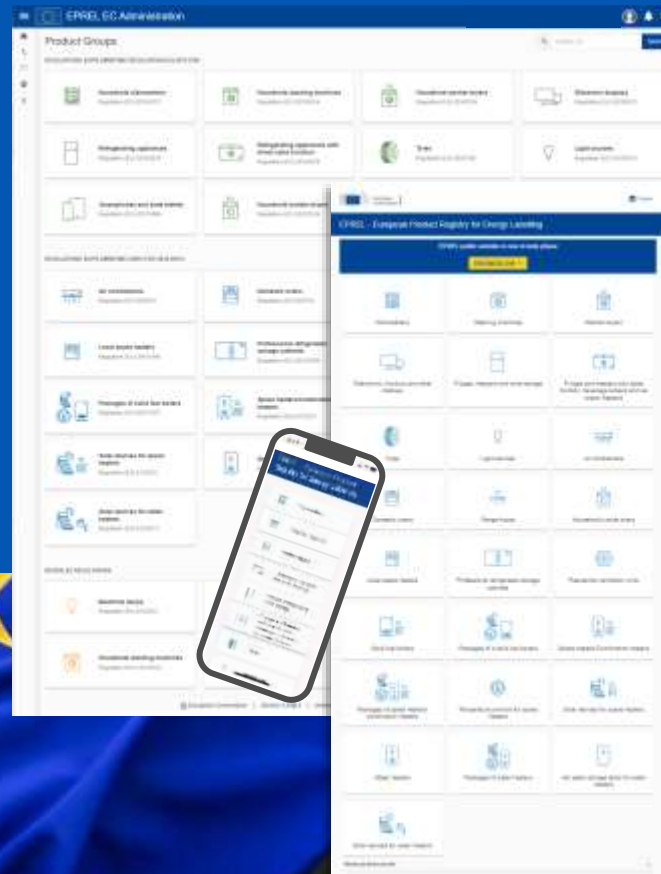




European Commission

The Product Database EPREL

Suppliers registration and verification
Models registration
An update



P. Tosoratti, DG ENERGY

Bruxelles, 25 October 2024

Regulation (EU) 2017/1369

Article 12: sets the creation of the «product database» and lists the requirements related to what became concrete with the **EPREL*** project:

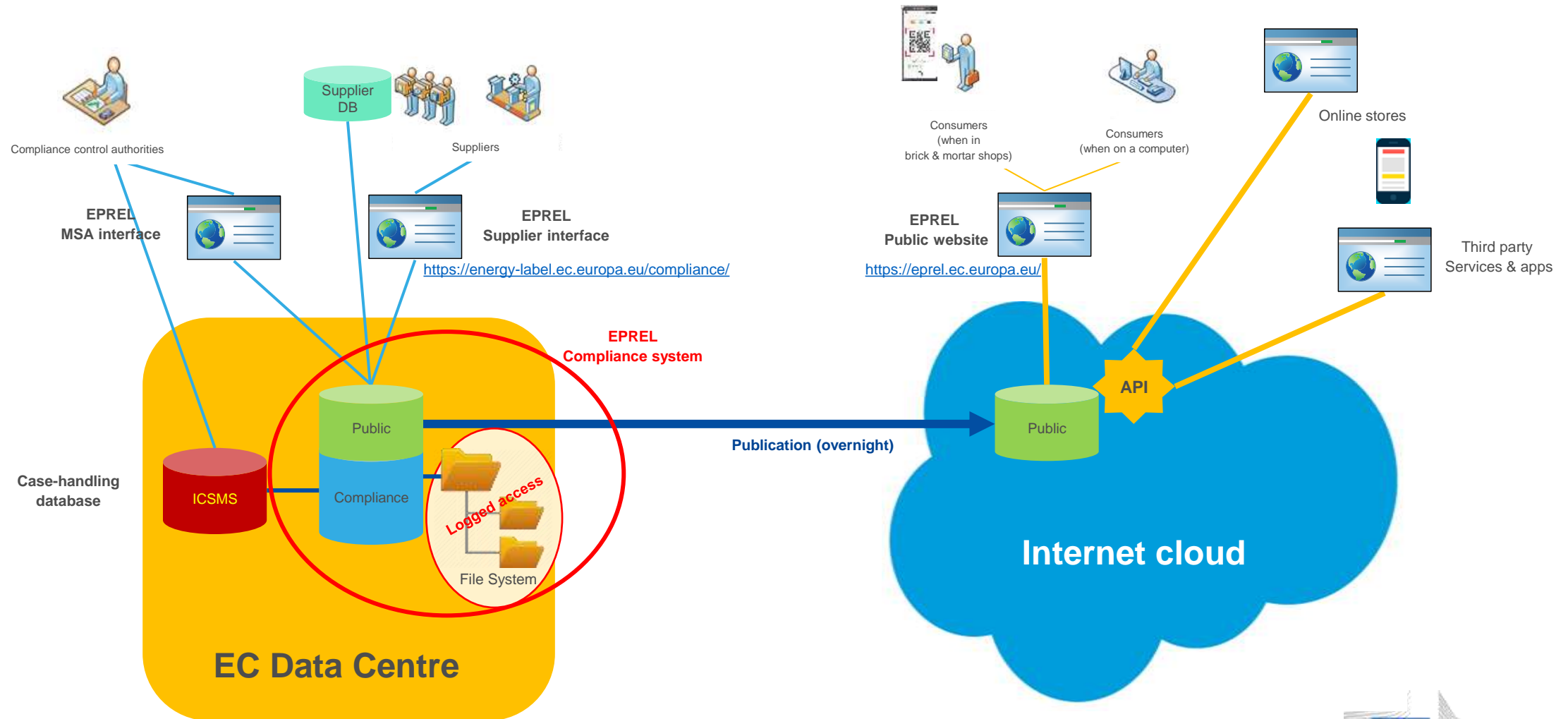
- Public part: <https://eprel.ec.europa.eu/>
 - Free interactive access, API access
- Compliance part: <https://energy-label.ec.europa.eu/compliance/>
 - MSA and Commission can see all
 - Each supplier can see its own entered data only
- Portal: <https://energy-efficient-products.ec.europa.eu/>
 - Information structured by user category: a section for suppliers, with relevant info

Who must register?

Suppliers:

- Manufactures, if established in the EU
- if manufacturers are in third countries, then:
 - Importers
 - Authorised representativesthat MUST be established in the EU!
- Proof of identity and proof of establishment in the EU necessary: MSAs must be able to “enforce” compliance (for a finetc.)e, a penalty, obligation to recall products, obligation to correct data

Architecture: multiple centralised systems (server farms)



Public information

Main goal of the information publicly provided is to

“orient user purchase choice towards the most efficient products” on the EU market

Additional goals possible because of EPREL:

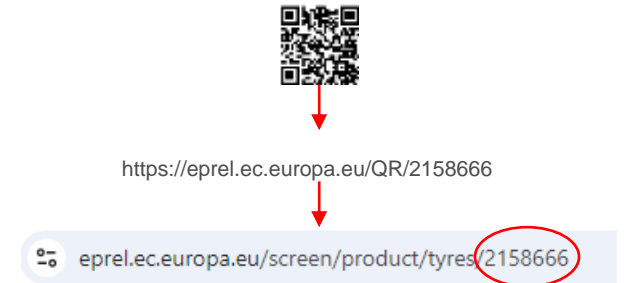
- Set the bar for public subsidy, tendering, provide a compass for the taxonomy
- Provide detailed model specific information on a number of aspects, including support and repairability (from most recent regulations)

Class	Entries	%
A	2 555	0,8
B	5 294	1,6
C	22 564	6,9
D	46 352	14,1
E	77 290	23,5
F	113 398	34,5
G	61 634	18,7

EPREL: public system

- Model search on:

- Registration number (entering number of reading QR)



- Brand + model identifier

A search form titled "Search" with two input fields: "Model identifier" and "Brand or trademark". A red arrow points from the text "Brand + model identifier" to the "Model identifier" field.

- GTIN/EAN (coming)

- Models selection on criteria specific for every product group

- Sorting (up to 3 simultaneous criteria)

A "Sort by" dropdown menu with three options: "Wet grip class", "Fuel efficiency class", and "External rolling noise level". Each option has a downward arrow on the right. A red arrow points from the text "Sorting (up to 3 simultaneous criteria)" to this menu.

- Class population assessment feature

Class	Entries	%
A	642	6,1
B	1 108	10,6
C	1 865	17,8
D	2 736	26,2
E	3 506	33,5
F	521	5,0
G	83	0,8

A red arrow points from the text "Class population assessment feature" to this table.

- APIs to download labels, PIS, single param. value, etc

Filtering options for "Cap-type (or other electric interface)" and "Non-directional or directional". Both have a dropdown menu with "Any" selected. A red arrow points from the text "Models selection on criteria specific for every product group" to this area.

Information for compliance control

Technical documentation to be provided

- (a) unequivocal model info;
- (b) references to the harmonised standards applied or other measurement standards used;
- (c) specific precautions that shall be taken when the model is assembled, installed, maintained or tested;
- (d) the measured technical parameters of the model: **now to be entered as parameter values** (similarly to PIS, only Regulations supplementing Regulation (EU) 2017/1369, not those implementing Directive 2020/30/EU);
- (e) the calculations performed with the measured parameters;
- (f) testing conditions if not described sufficiently in point (b).

+ equivalence to be indicated (no documentation necessary!!!) to a previously registered model (called «base model»)

MSAs can now see compliance control results on each model (from ICSMS)

EPREL: compliance system

- Sandbox for testing data entry in compliance:

<https://energy-label.acceptance.ec.europa.eu/compliance>

- Data models made available (XML)
- Data entry:
 - Interactive, one by one
 - Interactive, bulk upload in XML file
 - System-to-system (eDelivery) of same XML file
- Models transfer (suppliers merging, splitting, end of business...)

Regulation (EU) 2024/994: why?

- Starting on **October 22, 2024, digital identity verification mandatory for all suppliers**
- eIDAS based electronic verification only feasible instrument, having to deal with thousands of suppliers
- Qualified electronic “seals” required for legal persons as:
 - Proof of identity of the supplier
 - Proof that the supplier is “established” in the EU
 - (Indirect) proof that the “supplier admin” is the employee authorised to manage model registrations

Regulation (EU) 2024/994: why?

- Why “NTR”? because the only providing proof of registration in a business/trade registry
- Why others still admitted? Because a limited number of QTSPs are able to provide the NTR version, so some flexibility is provided for 6 months
- List of QTSP providers that confirmed interest/availability to provide seals for the purposes of EPREL (in the portal, *Suppliers* area):

https://energy-efficient-products.ec.europa.eu/suppliers_en#list-of-trust-service-providers-qtsp

- In principle any of the 139 (so far) QTSP should be able to provide the services:

- [eIDAS dashboard](#)

- eIDAS review “may” bring simplification



Regulation (EU) 2024/994: deadlines

Legal Persons

- 22/10/2024** Suppliers verification becomes mandatory
- To register or perform any editing of registered models, suppliers have to be already verified (Article 3)
 - Models registered by suppliers still not verified after this date are not listed in searches anymore, are not retrievable via APIs and only appear if the registration number is entered (typing the number or via QR reading), (Article 7)
 - Any "identity type" accepted in a transitional period (NTR, VAT, LEI, PSD, xx:) (Article 6.1 derogating Article 4)

- 22/04/2025** National trade/business registration code into the seals becomes mandatory
- electronic seals with 'NTR' (National Trade/business registration) is the only identity type accepted from this date (Article 4, end of derogation as from Article 6.1). *No end of validity set for these seals (unless differently regulated by a future regulation)*
 - Verifications using seals with VAT, LEI, PSD and xx: identity types completed before this date remain valid (Article 7.1), but only until 22/04/2027 (Article 7.2)

- 22/04/2027** End of validity for any verification not including the national trade/business registration code
- Verifications completed, before 22/4/2025, using seals with VAT, LEI, PSD and xx: identity types need to be renewed and the national trade/business registration code needs to be provided and verified using seals with the "NTR" identity type (Article 6.2)

Natural Persons

- 22/10/2024** Verification becomes mandatory
- Digitally signed Business/trade Certificate to be provided (Articles 5.3.a and 5.3.b)
 - Trademark authorisation by the owner to be provided (Articles 5.3.c)



NTR RECOMMENDED

What happens, from 22 October?

- **Unverified suppliers:**

- no longer able to register new models, nor modifying existing ones
- any previously registered model not appearing in general searches (public system)
- if direct search (EPREL ID, QR, ecc.):
- No model deletion (just all frozen)

 The supplier of this model has not completed the verification process yet. [Click here for more](#)

 The supplier of this model has not completed the organization identity verification or other mandatory verification process yet. Models from unverified suppliers do not necessarily mean that they are not real or trustworthy models. Close 

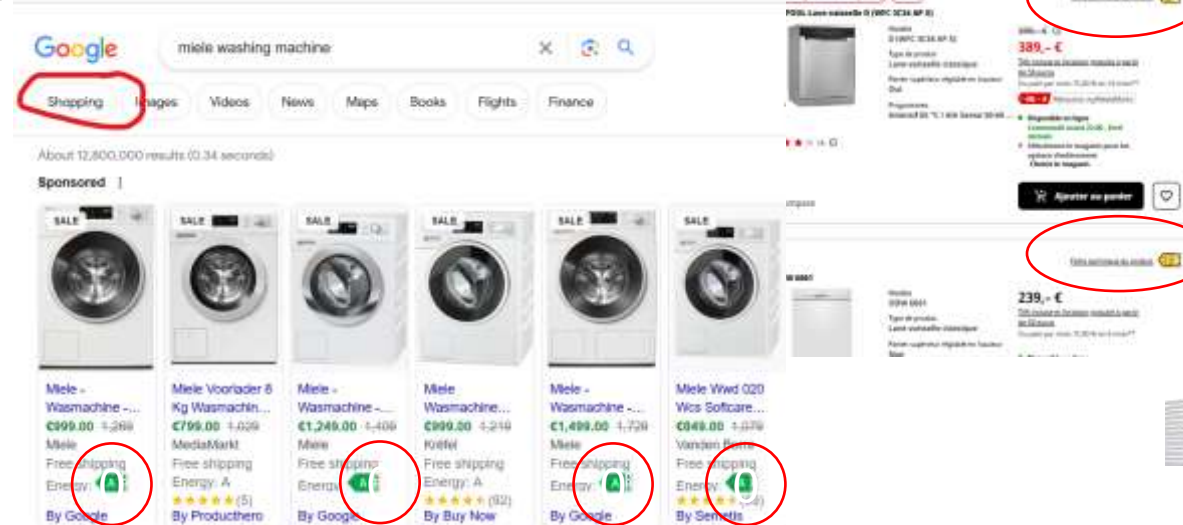
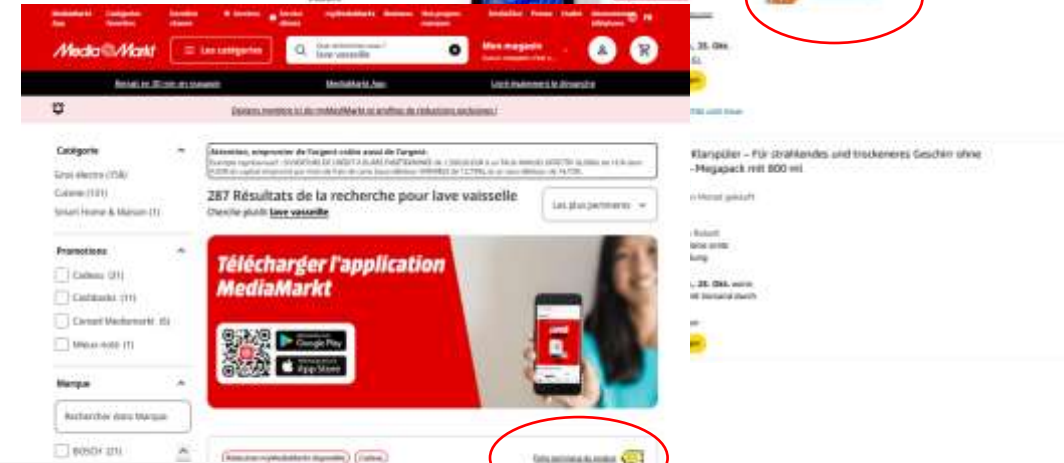
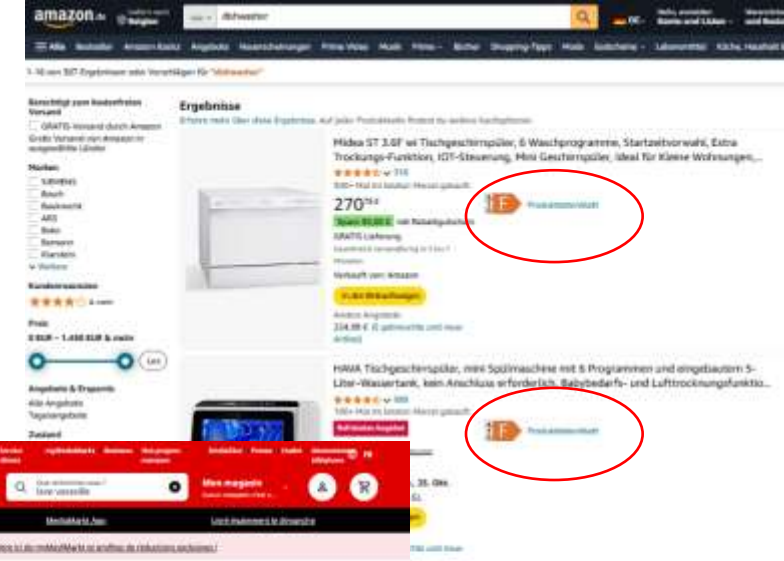
The Commission does not verify the correctness of the product data entered by the suppliers: this is the responsibility of national market surveillance authorities.

- **Verified suppliers:**

- **Via NTR seal: no other obligation** (unless change in company situation)
- Via VAT, PSD, xx:, LEI: a NTR seal to be provided before 22 April 2027

On-line stores

- Many on-line stores now using APIs to take the “class arrow” and its “nested label” from EPREL
- Suppliers MUST provide the EPREL registration number to on-line stores (Art. 14.1)
- Google doing the same...
- **NO label will be returned for models from unverified suppliers!**



Regulation (EU) 2024/994: other aspects

Article 8: mandatory contact points: for compliance AND the public

Article 10: Access to EPREL by MSAs

Article 12: parameters to facilitate models retrieval: GTIN, parameters extra-compliance control

Article 14: suppliers shall communicate the EPREL model registration number to dealers or to distributors

Article 15-16: practical aspects for suppliers

Article 17: about APIs

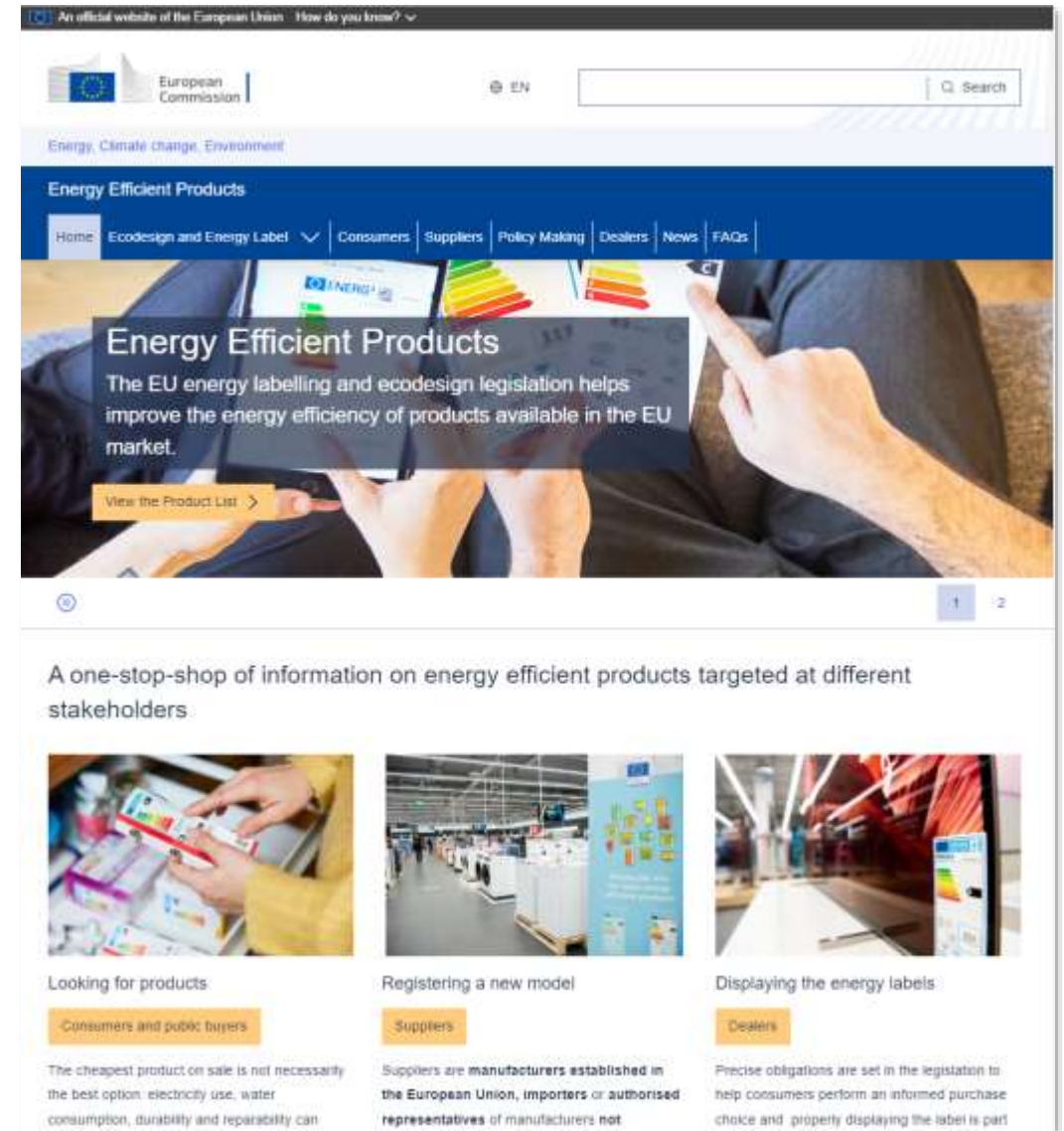
Public site revamp

The screenshot shows the EPREL website interface. At the top, there is a header with the European Commission logo and the text 'EPREL - European Product Registry for Energy Labelling'. Below the header, there is a navigation bar with 'Home' and 'Displays'. The main content area is titled 'Displays' and includes a search bar with 'Model Identifier' and 'Brand or Trademark' fields. There are also filters for 'Energy efficiency class for Standard Dynamic Range (SDR)' and a checkbox for 'Include models not placed on the market anymore'. The search results are displayed in a list format, showing product cards for Grundig and Ricoh. Each card includes the brand name, model identifier, energy efficiency class (e.g., E, G), and technical specifications like screen diagonal and resolution. The interface is clean and modern, with a blue and white color scheme.

- The public site is undergoing a migration to new Commission graphical conventions and components
- The product “cards” are being revamped as well

The new portal

- As from Article 12 of the labelling Regulation
- One-stop-shop for the ED+EL framework
- Information presented according to the visitor nature/goal/need (path, language, detail)
- **ONLINE (FROM 2 APRIL 2024)**



The screenshot shows the official website of the European Commission for Energy Efficient Products. The header includes the European Commission logo, the language 'EN', and a search bar. Below the header, there is a navigation menu with 'Home', 'Ecodesign and Energy Label', 'Consumers', 'Suppliers', 'Policy Making', 'Dealers', 'News', and 'FAQs'. The main content area features a large banner with the title 'Energy Efficient Products' and a sub-headline: 'The EU energy labelling and ecodesign legislation helps improve the energy efficiency of products available in the EU market.' A 'View the Product List' button is visible. Below the banner, there is a section titled 'A one-stop-shop of information on energy efficient products targeted at different stakeholders.' This section contains three columns of information:

Looking for products	Registering a new model	Displaying the energy labels
Consumers and public buyers	Suppliers	Dealers
The cheapest product on sale is not necessarily the best option: electricity use, water consumption, durability and reparability can	Suppliers are manufacturers established in the European Union, importers or authorised representatives of manufacturers not	Precise obligations are set in the legislation to help consumers perform an informed purchase choice and properly displaying the label is part

<https://energy-efficient-products.ec.europa.eu/>

Thank you for your attention

Mail to:

ENER-EPREL-HELPDESK@ec.europa.eu

ENER-ENERGY-LABELLING@ec.europa.eu



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