



# European Energy Network

## EnR WG Labelling and Eco-design: Update & Latest Developments

### Activity Report February 2018

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# European Energy Network

Meetings since M60:

- 3 April 2017, Madrid
- 18 September 2017, Brussels


## Participation from:

EST	ADENE
ECOS	MOTIVA
Topten International Services	CLASP
ADEME	ESCAN
Legambiente	STEM
SEAI	SEVEn
EEB	Coolproducts



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## Main topics covered

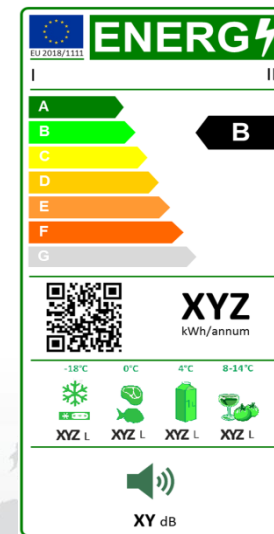
- Updates in the Energy Labelling A-G rescale and database
  - Takeaways from Consultative Forums
  - Discussion on role of Labelling and Ecodesign in Integrated Energy projects
  - Are test methods reflective of real life?
  - Market surveillance best practice – retailer labelling
  - Collaborative/H2020 project updates
- 



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## Return of Energy Label to A-G - latest news

- Trilogue process completed to define framework
- A number of consultative forums held between October and December 2017 – lighting, domestic cold, washing machines, dishwashers and standby
- New energy label designs have been proposed (but not confirmed)
- ‘Package approach’ for the 5 priority product groups (lighting, domestic cold, washing machines/dryers, dishwashers and TVs)
- 15 months to finalise legislation, labels for these 5 to be in stores by 2020
- Next tier – new labels in shops by 2025
- Heaters and boilers – ‘sunset clause’ in place, but not expected until 2030

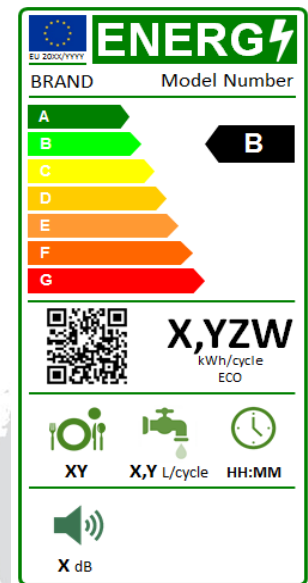
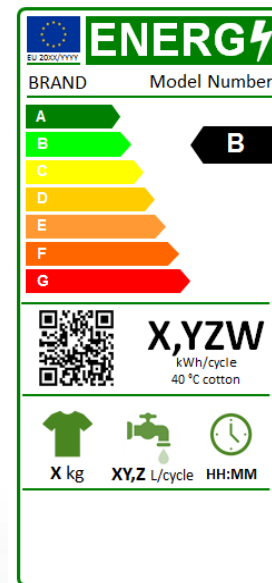




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## Energy Label rescale

- Provision for QR codes linking to database and comparison apps
- Indication for 'smart' appliances
- Label scales designed to last 10 years
- A class to always be initially empty, with rescale clause
- 2 week window for retailers to replace old labels with new labels
- New regulation estimated to save 17 Mtoe per year



*"I have always believed that we must go beyond the label, as the real answer for future improvements to energy efficiency is in the minds of citizens, and in their awareness and their behaviour"*

Dario Tamburrano



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## Product database

- Will be in operation from 1<sup>st</sup> January 2019
- Consumer facing side with energy labels and information sheets
- Market surveillance authority side

### FREE ACCESS

- All EU legislation related to energy efficiency of products (Ecodesign and Energy Labelling), standards, legislative processes
- Entry door to Product search/comparison/selection









### REGISTERED USERS

- Suppliers: own product registration
- Compliance control authorities: full product information, including public and technical information
- EC staff (*need-to-know* access principle)



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## Relevant Projects

Digilabel (PocketWatt)	Digital labelling and point of sale tools for retailers and consumers	
Topten ACT	International efficient product listings websites	
LEARN	Improved transport emissions accounting methodologies	
EEPliant/EEPliant 2	Market surveillance testing and best-practice sharing	
Premium Light Pro	Training and support for non-domestic lighting upgrades	
INTAS	Market surveillance of transformers and industrial fans	
ProCold	Listings and procurement support for professional refrigeration	
STEP	Market surveillance and test methods of domestic goods	

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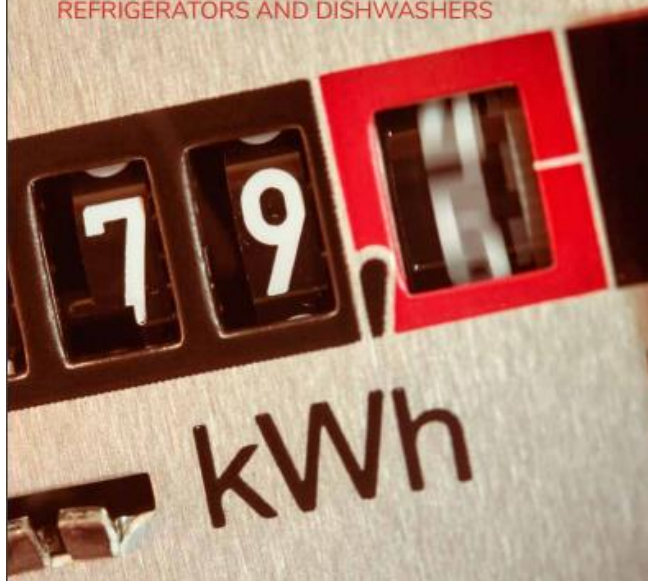


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## STEP Project

CLOSING THE 'REALITY  
GAP' – ENSURING A  
FAIR ENERGY LABEL  
FOR CONSUMERS

IDENTIFYING WEAKNESSES AND  
RECOMMENDING SOLUTIONS TO  
IMPROVE CRITICAL ASPECTS OF  
TEST STANDARDS FOR TELEVISIONS,  
REFRIGERATORS AND DISHWASHERS



- More to be done to ensure test standards reflect real-life usage patterns
- Ambiguity in test standard interpretation
- Need for methods and legislators to keep pace with technological progress







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## STEP Project

### TVs

- Evidence of models disabling required energy saving features
- Test clip for power measurements from 2007 - some TVs using 47% more energy in HD
- Software update caused a 37% increase in HDR power consumption

### Dishwashers

- 30-50 different programme combinations, test method measures consumption of just one cycle ('Eco' - 50<sup>0</sup>C cycle)
- Intensive programme on one model was 73% higher consuming than Eco
- No evidence of defeat devices

### Refrigeration

- Impact of door opening looked at – for one model increased average power draw by >30%
- Some variability on how volumes are measured



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## Future topics and collaborations

- Energy label rescale – supporting real-life deployment
- Better market surveillance
- Ecodesign contribution to circular economy – including aspects in legislation
- Professional/commercial refrigeration
- Industrial efficiency
- Network standby

