

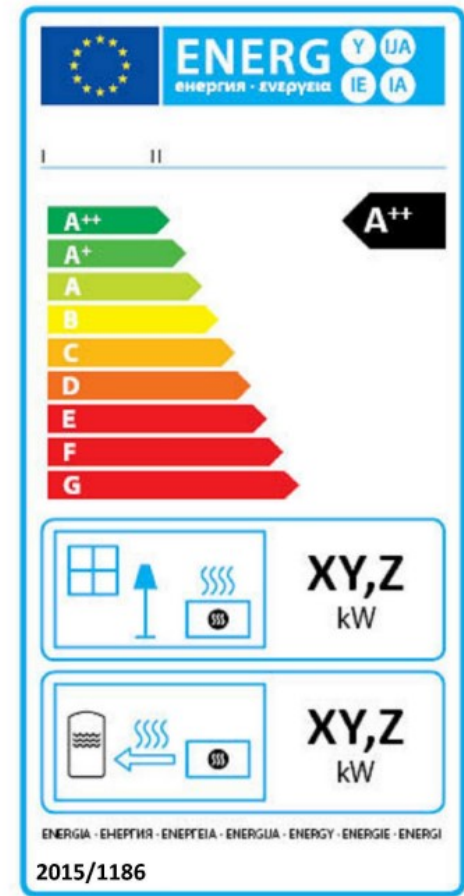


LIFE Prepair conference

1 June 2023

Energy efficiency of ErP

- **Eco-design:** minimum energy efficiency requirements in order to phase out the worst performing products
- **Energy labelling:** classification of appliances according to the energy efficiency



Ecodesign & Energy labelling - scope

50 implementing measures in place, directly applicable internal market provisions, including

- 43 Commission Regulations
- Tyre labelling Regulation (Council and EP act)
- 2 Voluntary Agreements

31 product groups (+horizontal “standby”)

- ≈ 3 billion products in scope sold in 2020
- Consume ≈ 50% EU final energy

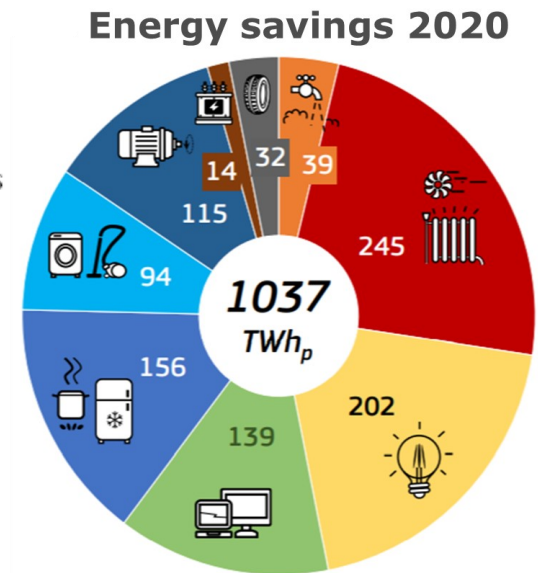
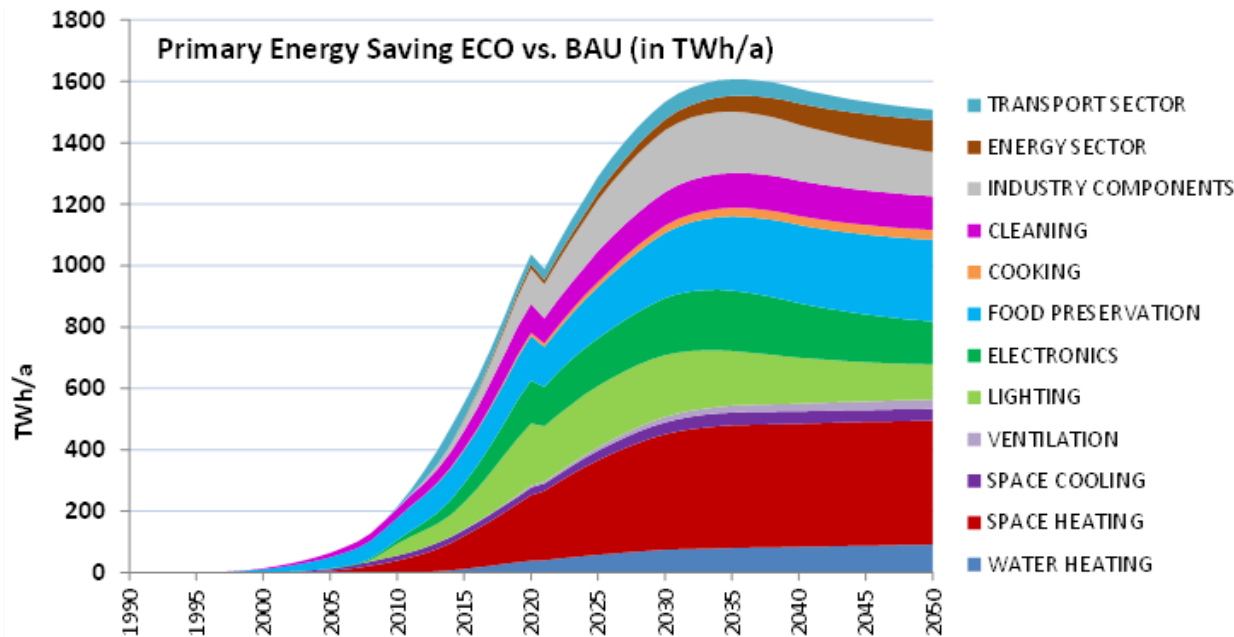
Overview of existing EU Ecodesign, Energy Labelling and Tyre Labelling measures (Oct.2021)

Product group ¹	Type(s) of measure ²			Relevant acts/legislation ³	Reviews ongoing or due before end 2024
	ED	EL	VA		
Horizontal: framework legislation	X			Directive 2009/125/EC	X
Horizontal: framework legislation		X		Regulation (EU) 2017/1369	[in 2025]
Horizontal: Guidelines on self-regulation/VAs			X	Recommendation (EU) 2016/2125	
Horizontal: Standby / off mode consumption	X			Regulation (EU) 2275/2008	X
Welding equipment	X			Regulation (EU) 2019/1784	X
Power transformers	X			Regulation (EU) 548/2014	X
Electric motors + var. speed drives	X			Regulation (EU) 2019/1781	X
Water pumps	X			Regulation (EU) 547/2012	X
Circulators	X			Regulation (EU) 541/2009	X
Industrial fans	X			Regulation (EU) 527/2011	X
Professional refrigeration equipment	X			Regulation (EU) 2019/1095	X
Air heating/cooling products	X			Regulation (EU) 2019/2181	X
External power supplies	X			Regulation (EU) 2019/1178	X
Computers	X			Regulation (EU) 617/2013	X
Servers and data storage products	X			Regulation (EU) 2019/434	X
Simple set-top boxes	X			Regulation (EU) 107/2009	X
Vacuum cleaners	X			Regulation (EU) 666/2013	X
Tvs/Electronic displays	X			Regulation (EU) 2019/2021	X
		X		Regulation (EU) 2019/2013	X
Light sources and control gears	X	X		Regulation (EU) 2019/2020	X
			X	Regulation (EU) 2019/2015	X
Dishwashers	X	X		Regulation (EU) 2019/2022	[by end 2025]
			X	Regulation (EU) 2019/2017	[by end 2025]
Washing machines + washer-dryers	X	X		Regulation (EU) 2019/2023	[by end 2025]
		X		Regulation (EU) 2019/2014	[by end 2025]
Tumble driers	X	X		Regulation (EU) 092/2012	X
Domestic cooking appliances: ovens, range hoods, hobs (NB: no label for hobs)	X	X		Regulation (EU) 1987/2012	X
			X	Regulation (EU) 69/2014	X
Household fridges and freezers	X	X		Regulation (EU) 2019/2019	[by end 2025]
			X	Regulation (EU) 2019/2016	[by end 2025]
Refrigerating appliances w. a sales function	X	X		Regulation (EU) 2019/2024	X
			X	Regulation (EU) 2019/2018	X
Ventilation units (labelling for residential only)	X	X		Regulation (EU) 1252/2014	X
Space and combination heaters	X	X		Regulation (EU) 1254/2014	X
			X	Regulation (EU) 813/2013	X
			X	Council Directive 92/42/EEC	
Water heaters/storage tanks + solar devices	X	X		Regulation (EU) 811/2013	X
			X	Regulation (EU) 814/2013	X
			X	Regulation (EU) 812/2013	X
Local Space Heaters (labelling in same regulation)	X	X		Regulation (EU) 2015/1188	X
Solid fuel space heaters	X	X		Regulation (EU) 2015/1189	X
Solid fuel boilers	X	X		Regulation (EU) 2015/1189	X
			X	Regulation (EU) 2015/1187	X
Air conditioners (incl. air to air heat pumps)	X	X		Regulation (EU) 206/2012	X
			X	Regulation (EU) 626/2011	X
Tyres	X*			Regulation (EU) 2020/740	[in 2025]
Imaging equipment			X	COM (2021) 23	n.a.
Game consoles			X	COM(2021) 278	n.a.
Total: 31 specific product groups ,excl. standby	29	15	2	50	38

Impact of current measures increase over time

Because ED/EL affect new products placed on the market (not stock)

- Impact of measures already in force will rise $\approx 50\%$ by 2030 - (if kept in place and enforced ...)
- After 2030, without new measures, savings level off

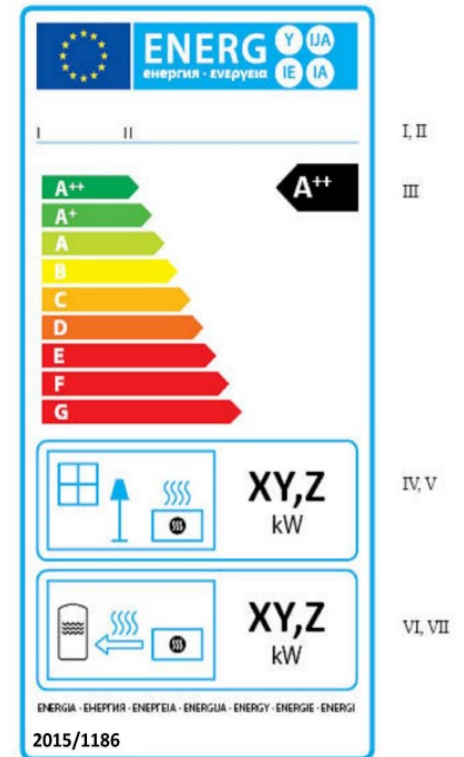


Ecodesign Solid Fuel Local Space Heaters

- Current rules: Regulation (EU) 2015/1185
 - Sets limits for PM, OGC's, CO and NOx
 - Applicable from 1 January 2022
- Back-to-back evaluation/IA (to begin November 2022)
 - Scope
 - Technologies available to reduce emissions/improve energy efficiency (BAT/BNAT)
 - Emission limits and energy efficiency thresholds
 - New pollutants?
 - Including circular economy requirements (reparability, recyclability...)
 - Third-party certification
 - Revision of standards
- Indicative timeline
 - Evaluation and IA (Q2 2024)
 - Adoption of revised legislation (Q2/Q3 2024)

Energy labelling Local Space Heaters

- Current rules: Regulation (EU) 2015/1186
- Aspects to be included
 - Extension of the scope (electric heaters and electric heat pumps)
 - Possible revision of the biomass factor (currently 1,45)
 - Possible inclusion of a secondary scale for air pollutants
 - CC = 1,9
 - Alignment of calculation methods with ED
- Indicative timeline
 - Evaluation ready end-2021
 - Call for evidence: May 2022, 4 weeks for stakeholders input
 - Public consultation: May 2022, 12 weeks for stakeholders input
 - **Adoption of revised legislation (Q3 2023)**



Ecodesign/Energy labelling Solid Fuel Boilers

- Current rules: Regulation (EU) 2015/1189 (eco-design) and Regulation (EU) 2015/1187 (energy labelling)
- Joint back-to-back evaluation/IA EL/ED rules (to begin March 2022)
- Indicative timeline
 - Evaluation and IA (Q2/Q3 2023)
 - Adoption of revised legislation (Q2/Q3 2024)

Some expected issues

- Interplay with Construction Products Regulation
- Assessment of emissions reduction technologies
- Inclusion of new pollutants (size differentiation for PM)
- Adaptation of definitions to actual products in the market