Buy Quiet 2016 – Declarations and Labels

European Product Noise Labels & “The Blue Angel”

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Section I 3.4 Noise Abatement of Industrial Plants and Products, Noise Impact
Noise of Products
Incentives for Stakeholders
European Product Noise Labels & “The Blue Angel”

Technical Requirements

\[ L_p \text{ vs. } L_W \]

\[ \bar{L} \text{ vs. } \bar{L} + K \]

Forces for the Use
The European Outdoor Noise Directive

80's 2000

- 11 product types
- 57 product types

Lower machinery noise

European role model for noise labelling

\[ L_{WA} \pm (K) \]

\[ L_{WA,max} \]

(22 prod. types)
The European Energy Label Directive

90's

- 9 product types
- Refrigerators
- Freezers
- Automatic washing machines
- Extractor hoods

2010's

- 10 product types
- Refrigerators
- Freezers
- Automatic washing machines
- Extractor hoods
- Dishwashers
- Vacuum cleaners
- Room heaters

\[ L_{WA} \]

\[ \overline{L} (+K) \]

\[ L_{WA,max} \]

(3 prod. types)

Consumers knowingly buy quiet!
Take Advantage of Existing Resources

\[ L_{WA} = \overline{L} + K \]

\[ L_{WA,\text{max}} - x \text{ dB} \]
“The Blue Angel” for Low-Noise Products

70’s

76 product types

Endorsement of 2014/24/EU

Blue Angel Products preferred in public tendering procedures!
Conclusions

1. Implementation of Noise Labels
   Find incentives, requirements and forces

2. Use of Existing Requirements
   Outdoor Noise Label
   Energy Label

→ The Blue Angel

Thank you! Questions?