



# Testing and standardisation issues for Taps and Showers Meeting

*Thursday, 26 April 2018*

*Joint Research Centre*

# Outline

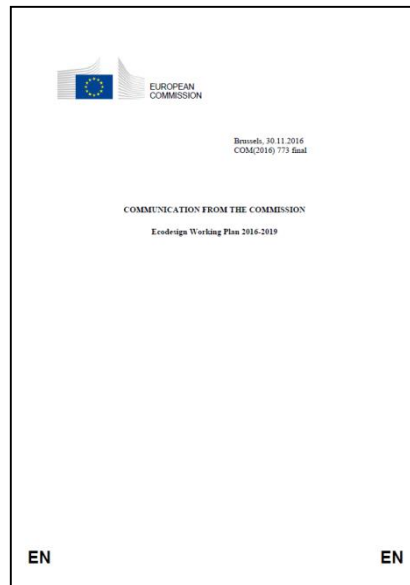
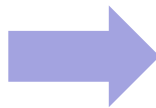
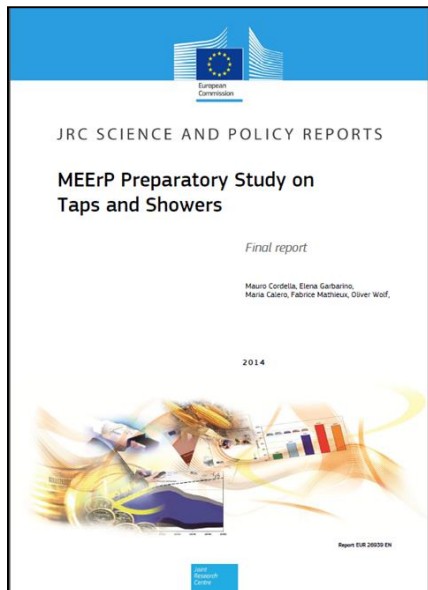
1. Agenda
2. Background
3. 2017's stakeholders consultation
4. Update on Taps and Showers
5. Preliminary conclusions

# Agenda

Schedule	Topic
09:00 – 09:15	Registration and welcome
09:15 – 09:30	Introduction of participants, context and background (EC)
09.30 – 10:30 (incl. 20 min for Q&A)	<p>Measuring the performance of TS in the EU:</p> <ul style="list-style-type: none"> <li>– Current practice</li> <li>– Future developments and limitations</li> <li>– Best of ALL initiative</li> <li>– Standardisation: process and timing</li> </ul> <p>(Speakers: Yvonne Orgill, BMA/EBF; Christian Taylor-Hamlin, NEOPERL; Holger Fehrholz, SIMILOR/CEIR)</p>
10:30 – 11:00 (incl. 15 min for Q&A)	Testing of TS with the Swedish Standards approach (Speaker: Marco Van Brink, KIWA)
11:00 – 11:15	Coffee break
11:15 – 12:45	Technical discussion about testing methods for assessing the functionality of TS (moderated by EC)
12:45 – 13:00	Sum-up, follow-up and closure of the meeting (EC)
13:00 – 14:00	Informal lunch and networking

# Background

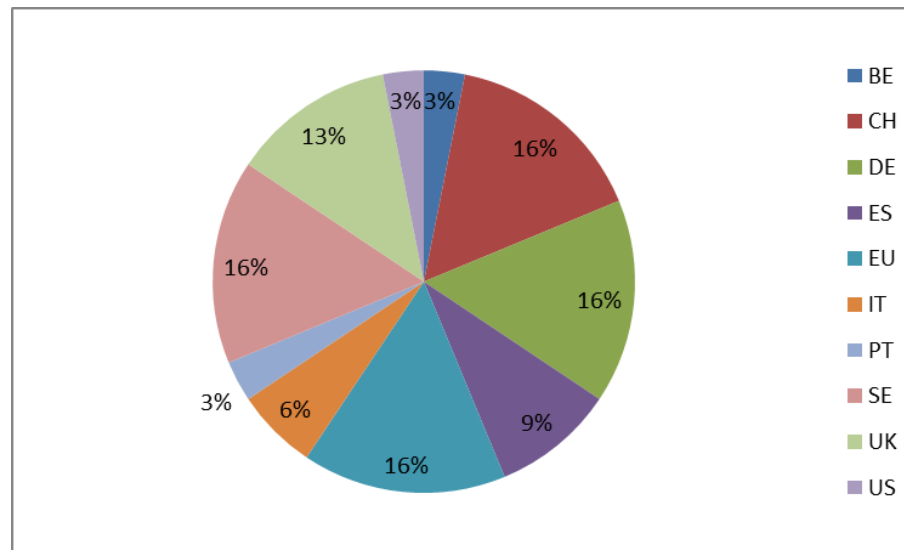
- 2010-2013: EU Ecolabel and GPP on sanitary tapware
- 2013-2014: MEErP preparatory study (final version unpublished)
- 2016: COM(2016) 773 final 'Ecodesign Working Plan 2016-2019'
- 2017: stakeholders consultation



Machine tools and welding equipment	Consultation forum took place on 6.05.14 Impact assessment ongoing	9 (VA on metal working machine tools; regulation on welding equipment)
Professional washing machines, dryers and dishwashers	Consultation forum took place on 29.11.13 Standardisation work ongoing.	4
Enterprise servers, data storage and ancillary equipment	Preparatory study finished in 08.15	Up to 43 for full product requirements Important resource-saving potential
Water-related products	Preparatory study finished in 12.14 (not yet published)	Up to 70 (and 1900 Mm <sup>3</sup> of abstracted water) in 2025; up to 17 (and 700 Mm <sup>3</sup> of abstracted water) in 2030  (only energy labelling requirements)
Smart appliances	Preparatory study ongoing	
Lighting controls/systems	Preparatory study ongoing	
Industrial and laboratory furnaces and ovens	Consultation forum took place on 16.05.14. ED/EL Regulations will not be proposed for the time being (*)	
Power Cables	ED/EL Regulations will not be proposed for the time being (*)	
Steam boilers	ED/EL Regulations will not be proposed for the time being (*)	

# 2017's stakeholders consultation

- Jul-Sep 2017
- 32 replies received: 23 from industry members (74%), 7 from governments or national institutes (22%), 2 from NGO (6%)
- Broad geographical scope
- Information update and preliminary views



# Update on Taps and Showers: Market

- Different levels of consumption from taps and showers
- Apparent increased penetration of existing labels (e.g. EWL, WELL, Swedish Energy Label, ...) and water-saving technologies

*Number of taps and showers registered under the European Water Label scheme (~60% of the EU market)*

Flow rate (L/min)	Taps				Showers			
	(Jun 2014)		(Oct 2017)		(Jun 2014)		(Oct 2017)	
	nr.	%	nr.	%	nr.	%	nr.	%
< 6	592	30%	1715	54%	75	5%	462	23%
6-8	315	16%	297	10%	258	18%	267	13%
8-10	714	35%	559	18%	280	19%	252	13%
10-13	20	1%	115	4%	247	17%	213	11%
> 13	365	18%	437	14%	608	41%	801	40%
Tot.	2006	→	3123		1468	→	1995	

# Update on Taps and Showers: Lbl & Std

- European labels: EWL, WELL, Swedish Energy Label, Swiss Energy Label, ANQIP → EBF (EWL and Swiss, 60% of market)
- Others: Watersense (US), WELS (AS.NZ)
- Functionality based (Sweden) vs. water-flow based
- Additional technical parameters tested, e.g.
  - spray area and force for showers in Watersense (US)
  - spray area, temp drop and endurance of flow controllers in WELS (AS/NZ)
- NO satisfactory standards for assessing functionality of products:
  - subjectivity and complexity of testing → SS under revision
  - majority of EU industry not supporting SS

# Preliminary conclusions and next steps

- **Standards:** only water flow rates (and other technical parameters) can be measured, at least for the moment
- **Heterogeneous labelling** context in Europe, although EBF seems to have managed to cluster an important portion of the market
- **T&S market** moving towards more efficient products (?)
- **Next steps:**
  - JRC background studies (MEErP + follow-up) in summer 2018 (tbc)
  - Discussion with stakeholders at the CF (2018/2019)



# Thanks for your attention

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