

## 17IND13 - Metrology for real-world domestic water metering

### Dissemination workshop

#### Program

15 – 16 September, 2021

Times given in CEST

#### Day 1

Time	Title	Speaker
13:00 – 13:15	Welcome/housekeeping, introduction to the workshop and Metrowamet	Corinna Kroner, PTB
<b>Theme block 1: Water consumption, assessment of water meter performance for dynamic flows</b>		
13:15 – 13:35	Recommendations for the acquisition of consumption profiles of potable water in households including guidelines for the selection of equipment, time scales and sampling rates	Johan Bunde Kondrup, FORCE
13:35 – 13:55	Consumption characteristics in Europe – derivation of representative test profiles - requirements for test rigs	Daniel Schumann, PTB
13:55 – 14:15	Experiences in Brazil on water meter assessment and a new Brazilian standard to assess water meter performance based on an actual water consumption profile	Jorge Sanchez, Samana Services
14:15 – 14:45	Validation of liquid flow standards under dynamic conditions - Results of the EURAMET project No. 1506	Florestan Ogheard, CETIAT
14:45 – 14:55	A simple design to study household meters accuracy	Mika Huovinen, VTT MIKES
14:55 – 15:10	Performance of domestic water meters under static and dynamic test conditions – first insights	Oliver Büker, RISE
15:10 – 15:40	Discussion	
15:40 – 16:00	Break	
<b>Theme block 2: Impact of water quality on the performance of cold water meters – development of test regime</b>		
16:00 – 16:20	Derivation of requirements for the test regime – development of test waters	Veit Seypka, TZW
16:20 – 16:40	Performance of domestic water meters depending on water quality	Corinna Kroner, PTB
16:40 – 17:10	Discussion	

## Day 2

Time	Title	Speaker
<b>Theme block 3: Detection of small flows and leaks</b>		
10:00 – 10:20	Hardware platform for detecting small flows with domestic water meters	Marco Carratu, Uni. Salerno
10:20 – 10:40	Detection of small flows with water meters	Søren Haack, DTI
10:40 – 11:00	Algorithm(s) for leakage detection	Tobias Martin, TZW
11:00 – 11:20	Discussion	
<b>Theme block 4: Emerging needs for action for water metering?</b>		
11:20 – 11:40	Developments and need for action regarding water meters from the perspective of water meter manufacturers	Ulrich EFF, CEN/TC92/WG2
11:40 – 12:00	Guides, recommendations for assessing water meters close to operation conditions. Further need(s) (or proposals) for action from the perspective of ISO/OIML/WELMEC.	Miroslava Benkova, CMI; Sarah Jones, NEL
12:00 – 12:20	Discussion	
12:20	End of workshop	