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The CIPM decided that the CCU will adopt the same criteria for participation as the other CCs for all meetings in 2018 and beyond. Document CIPM-D-01 will be updated accordingly.

## 4. Participation in the CCs

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### Member status

4.2 Membership of the CCs is decided by the CIPM in accordance with the following established criteria. Membership of a Consultative Committee is open to institutions of Member States that are recognized internationally as most expert in the field. This normally requires that they:

- be national laboratories charged with establishing national standards in the field;
- be active in research and have a record of recent publications in research journals of international repute;
- have demonstrated competence by a record of participation in international comparisons organized either by the Consultative Committee, the BIPM or a regional metrology organization.

Bureau  
International des  
Poids et  
Mesures

Rules of procedure for the  
Consultative Committees (CCs)  
created by the CIPM,  
CC working groups and CC workshops

This document was approved by the CIPM in July 2018.

It cancels and replaces CIPM/2005-10, CIPM/2009-66 and CIPM/2012-03 adopted  
by the CIPM in 2005, 2009 and 2012.

CIPM-D-01  
Version 3

- National Metrology Institute (NMI);
- operates under the authority of the Ministry of Education, University, and Research (MIUR);
- realizes, maintains and develops the national reference standards of the measurement units of the SI;
- supports the traceability of the calibration laboratories of the National Accreditation Body by ensuring the quality of the measurement standards and promoting the dissemination of the national standards of the SI measurement units.



Italy signed “The Metre Convention” on 20<sup>th</sup> May 1875;

Member State – General Conference on Weights and Measures (CGPM)

International Committee for Weights and Measures (CIPM) – Dr M.L. Rastello;

Members of the Consultative Committees for:

- Acoustics, Ultrasound and Vibration (CCAUV);
- Electricity and Magnetism (CCEM);
- Length (CCL);
- Mass and Related Quantities (CCM);
- Photometry and Radiometry (CCPR);
- Amount of Substance: Metrology in Chemistry and Biology (CCQM);
- Thermometry (CCT);
- Time and Frequency (CCTF);

Member of the CCU Working Group on:

- Angles and Dimensionless Quantities in the SI (CCU-WGADQ) – Dr W. Bich;

Joint Committees of the BIPM

- Working Group on the Expression of Uncertainty in Measurement (JCGM WG1) – Dr W. Bich (Chairman)
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# Key and supplementary comparisons (Appendix B)

## Refine your search

### METROLOGY AREA

- [Mass \(106\)](#)
- [Length \(49\)](#)
- [Electricity and Magnetism \(40\)](#)
- [Thermometry \(23\)](#)
- [Amount of Substance \(22\)](#)
- [Acoustics, Ultrasound, and Vibration \(11\)](#)
- [Photometry and Radiometry \(6\)](#)
- [Time and Frequency \(1\)](#)

### TYPE

- [Key comparisons \(184\)](#)
- [Supplementary comparisons \(74\)](#)

### STATUS

- [Approved for equivalence \(126\)](#)
- [Approved \(63\)](#)
- [Approved for provisional equivalence \(24\)](#)
- [Measurements in progress \(15\)](#)
- [Planned \(11\)](#)
- [Protocol complete \(5\)](#)
- [Report in progress, draft A \(5\)](#)
- [Measurements completed \(4\)](#)
- [Report in progress, draft B \(3\)](#)
- [Continuous, approved for equivalence \(2\)](#)

## Result of the search

Your query 'INRIM' produced 258 results

[New search](#)

1 [2](#) [3](#) [Next >>]

### EUROMET.QM- K3

Comparison type, Field  
Status

### **Automotive emission gases 2000**

Key comparison in Amount of Substance, Gases  
**Approved for equivalence, Results available**

### CCEM.M- K1

Comparison type, Field  
Parameter(s)  
Status

### **Comparison of low frequency magnetic flux density 2001 -2003**

Key comparison in Electricity and Magnetism, Magnetism  
Frequency: DC to 20 kHz  
**Approved for equivalence, Results available**

### EUROMET.EM- S6

Comparison type, Field  
Parameter(s)  
Status

### **Comparison of electric field strength 1997 - 2002**

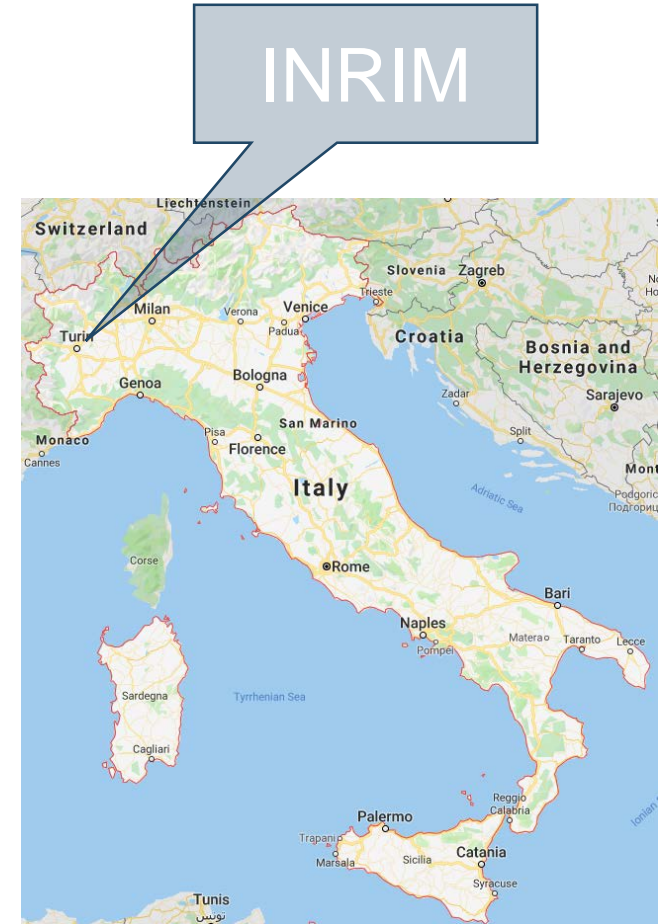
Supplementary comparison in Electricity and Magnetism, AC Voltage, Current, Power, and AC/DC Transfer  
Frequency: 50 Hz  
**Approved**

### EUROMET.EM- S11

Comparison type, Field  
Parameter(s)

### **Comparison of the measurement of current transformers 1999 - 2000**

Supplementary comparison in Electricity and Magnetism, AC Voltage, Current, Power, and AC/DC Transfer  
Frequency: 50 Hz



➤ Refine your search

➤ Result of the search

➤ CMC AREA

- CMCs General Physics (395)
- CMCs Chemistry (9)

➤ PHYSICS

- Temperature (91)
- Dimensional metrology (36)
- High voltage and current (33)
- Sound in air (23)
- DC voltage, current, and resistance (23)
- Vibration (17)
- Fluid flow (16)
- Torque, Viscosity, Hardness and Gravity (16)
- Materials (14)
- Electric and magnetic fields (13)
- AC voltage, current, and power (12)
- Radio frequency measurements (11)

➤ CHEMICAL MATERIAL

- aluminium alloy (3)
- fish tissue (2)
- polypropylene (2)
- nitrogen (1)
- synthetic air (1)

➤ CHEMICAL ANALYTE

- chromium (2)
- carbon dioxide (2)
- cadmium (1)
- iron (1)
- arsenic (1)

Your query 'INRIM' produced 404 results

[New search](#)

1 2 3[Next >>]

**Italy, INRIM (Istituto Nazionale di Ricerca Metrologica)**

[Complete CMCs in Acoustics, Ultrasound, Vibration for Italy \(.PDF file\)](#)

Pressure sensitivity level. Laboratory standard microphone type LS1. Measurand unit, **dB**  
**(reference: 1 V/Pa)**  
Absolute expanded uncertainty ( $k = 2$ , level of confidence 95 %) in dB: **0.08**  
Pressure reciprocity IEC 61094-2:1992  
Frequency: 31.5 Hz  
Approved on 27 December 2007

Pressure sensitivity level. Laboratory standard microphone type LS1. Measurand unit, **dB**  
**(reference: 1 V/Pa)**  
Absolute expanded uncertainty ( $k = 2$ , level of confidence 95 %) in dB: **0.05**  
Pressure reciprocity IEC 61094-2:1992  
Frequency: 63 Hz to 8000 Hz  
Approved on 27 December 2007

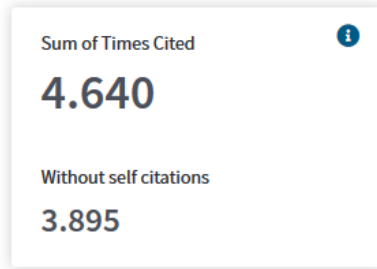
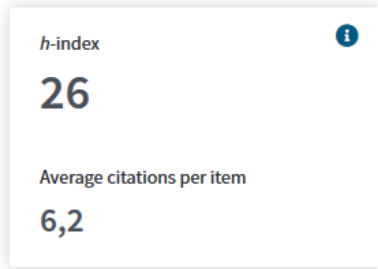
Pressure sensitivity level. Laboratory standard microphone type LS1. Measurand unit, **dB**  
**(reference: 1 V/Pa)**  
Absolute expanded uncertainty ( $k = 2$ , level of confidence 95 %) in dB: **0.08**  
Pressure reciprocity IEC 61094-2:1992  
Frequency: 10 kHz  
Approved on 27 December 2007

Pressure sensitivity level. Laboratory standard microphone type LS2. Measurand unit, **dB**  
**(reference: 1 V/Pa)**  
Absolute expanded uncertainty ( $k = 2$ , level of confidence 95 %) in dB: **0.08**  
Pressure reciprocity IEC 61094-2:1992  
Frequency: 31.5 Hz  
Approved on 27 December 2007

Pressure sensitivity level. Laboratory standard microphone type LS2. Measurand unit, **dB**  
**(reference: 1 V/Pa)**  
Absolute expanded uncertainty ( $k = 2$ , level of confidence 95 %) in dB: **0.05**  
Pressure reciprocity IEC 61094-2:1992  
Frequency: 63 Hz to 8000 Hz



# 2015-2019 – scientific publications «ISI-WoS»



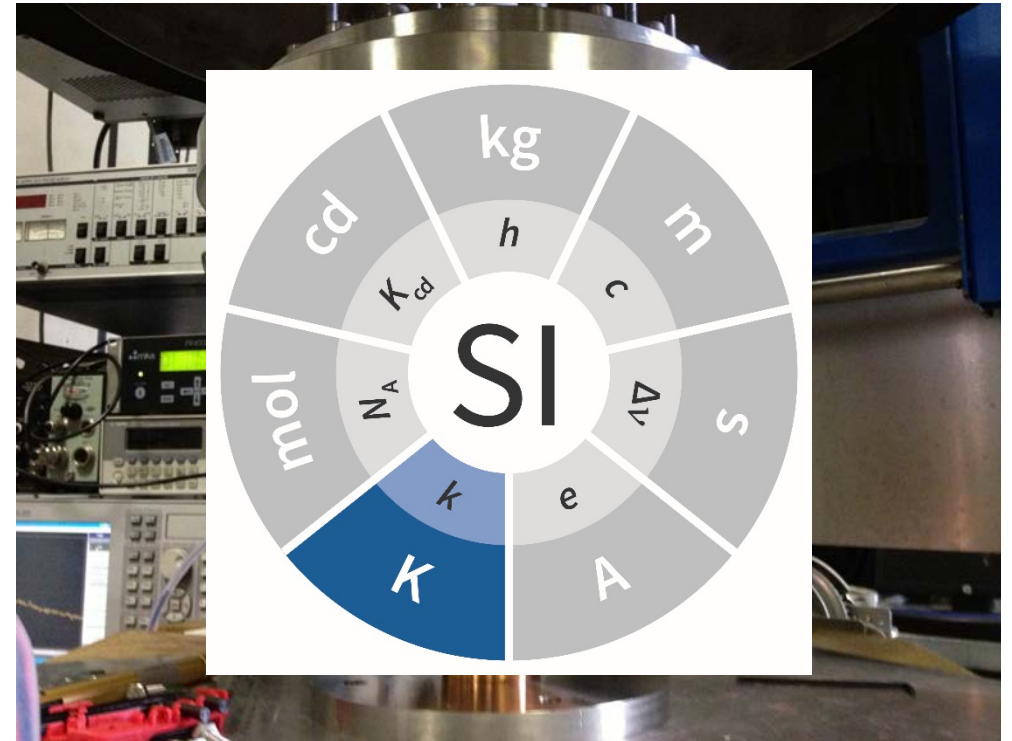
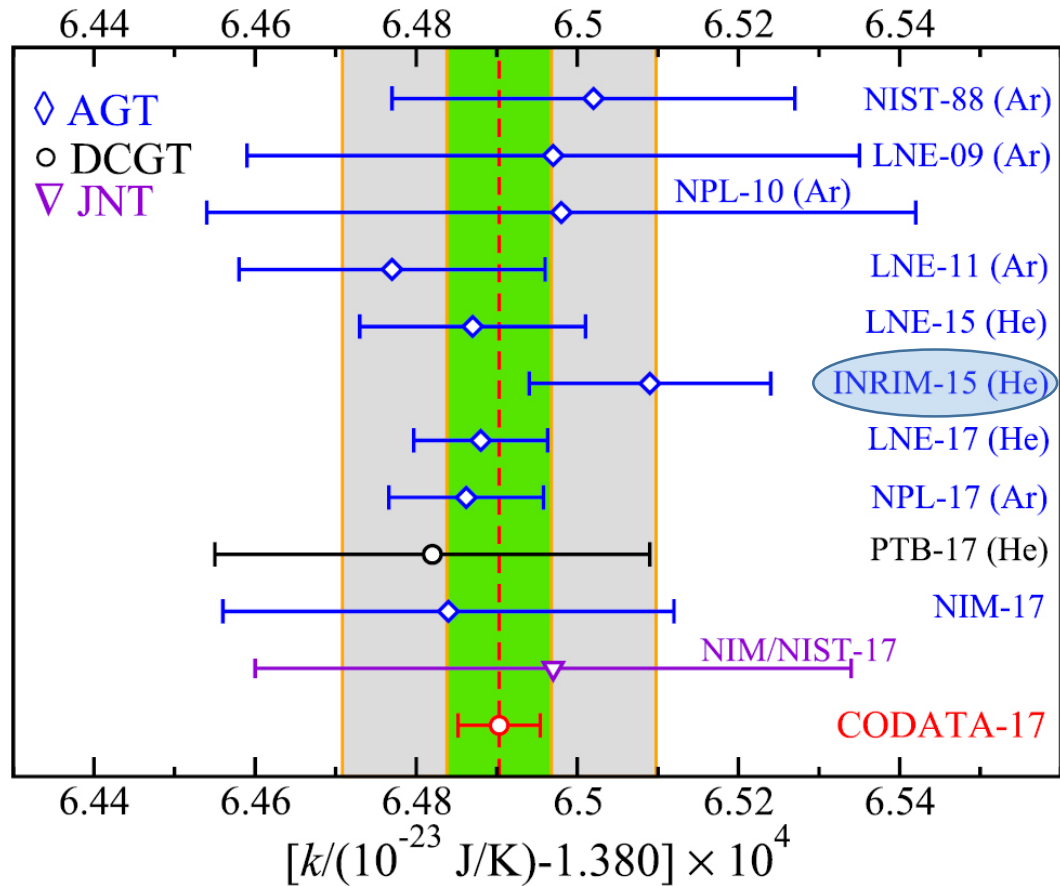
## Document Types

ARTICLE (689)

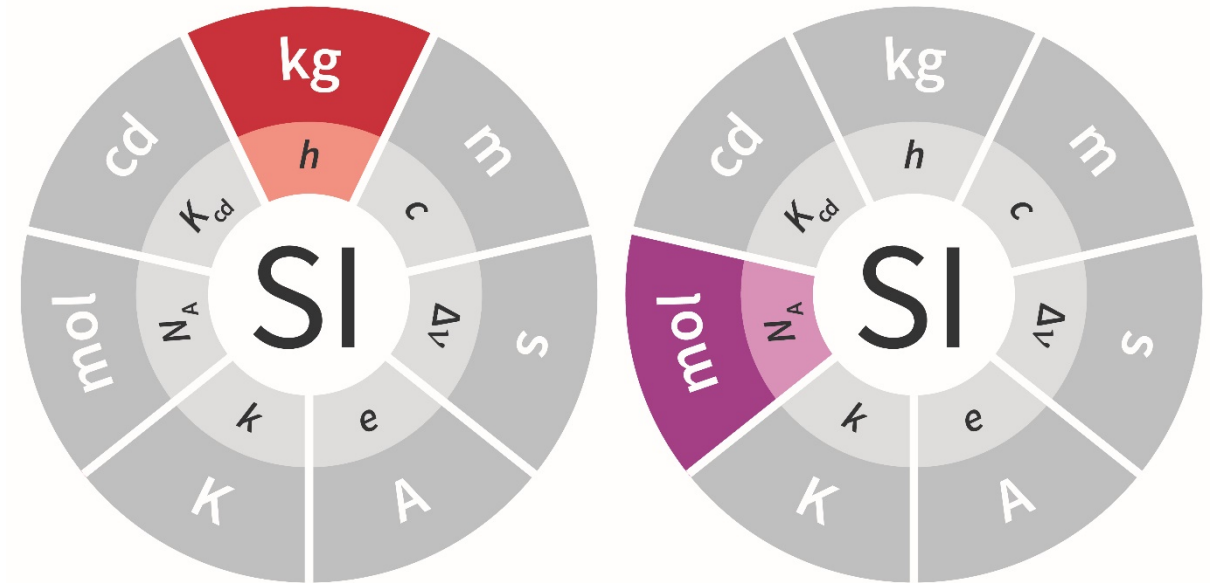
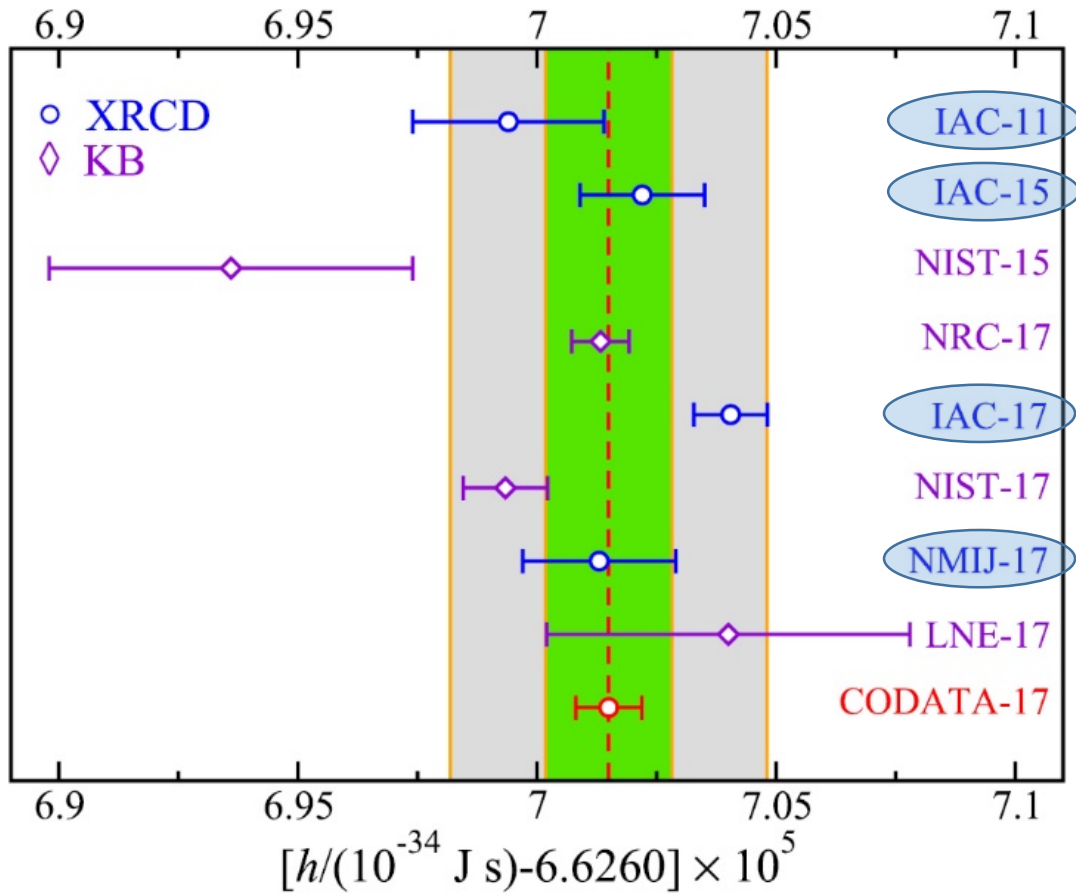
PROCEEDINGS PAPER (71)

EDITORIAL MATERIAL (42)

REVIEW (17)









Thank you for your attention

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