CONSULTATIVE COMMITTEE FOR ACOUSTICS, ULTRASOUND AND VIBRATION (CCAUV)

The primary role of the CCAUV is to promote **global comparability** and **international collaboration** in *acoustics (airborne and underwater), ultrasound*, and *vibration metrology.*

It acts as the focal point for this diverse community.

IMPACT

From airborne sound to ultrasound and underwater acoustics, the CCAUV's work reaches into everyday technology. A new calibration service now in development for infrasound sensors reflects the growing need for reliable and traceable measurements in this field.

KEY ACHIEVEMENTS SINCE 2022

Promoting technical and scientific exchanges and cooperation

The CCAUV meets biannually and organized two **hybrid workshops** addressing current challenges and recent metrological developments in the **Acoustics, Ultrasound and Vibration community**, with emphasis on :

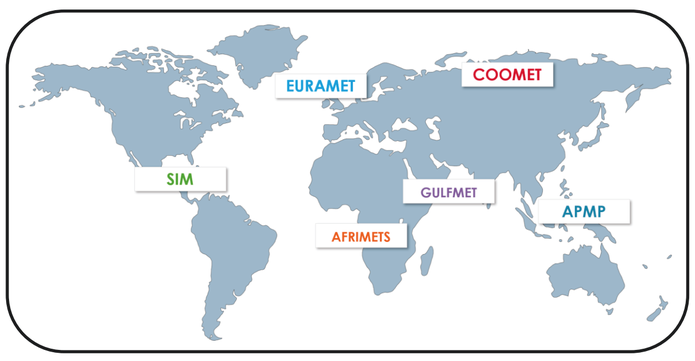
- *digital transformation*
- *networks*
- *digital sensing systems*
- *ultra-low-frequency ranges*
- *advanced statistical approaches*
- *technological trends.*



CCAUV 2023



CCAUV 2025
Credit: BIPM



Currently, the KCDB includes:

- **1 279 AUV CMCs**
- **67 Published AUV comparisons**
  - **CCAUV:** 20 (19 KC + 1 SC)
  - **RMO:** 47 (31 KC + 16 SC)
- **13 Comparisons in progress**
  - **CCAUV:** 2 KC
  - **RMO:** 11 (9 KC + 2 SC)

Credit: BIPM

Promoting global comparability

The CCAUV leads the implementation of the **CIPM Mutual Recognition Arrangement (MRA)** in the field of Acoustics, Ultrasound and Vibration. The review and approval of **inter-laboratory comparisons** and **CMCs** are managed by the CCAUV with the support of its working groups.
Since the last CGPM, the final reports of **one CCAUV key comparison** and **three regional comparisons** have been published, and several new comparisons have been initiated.