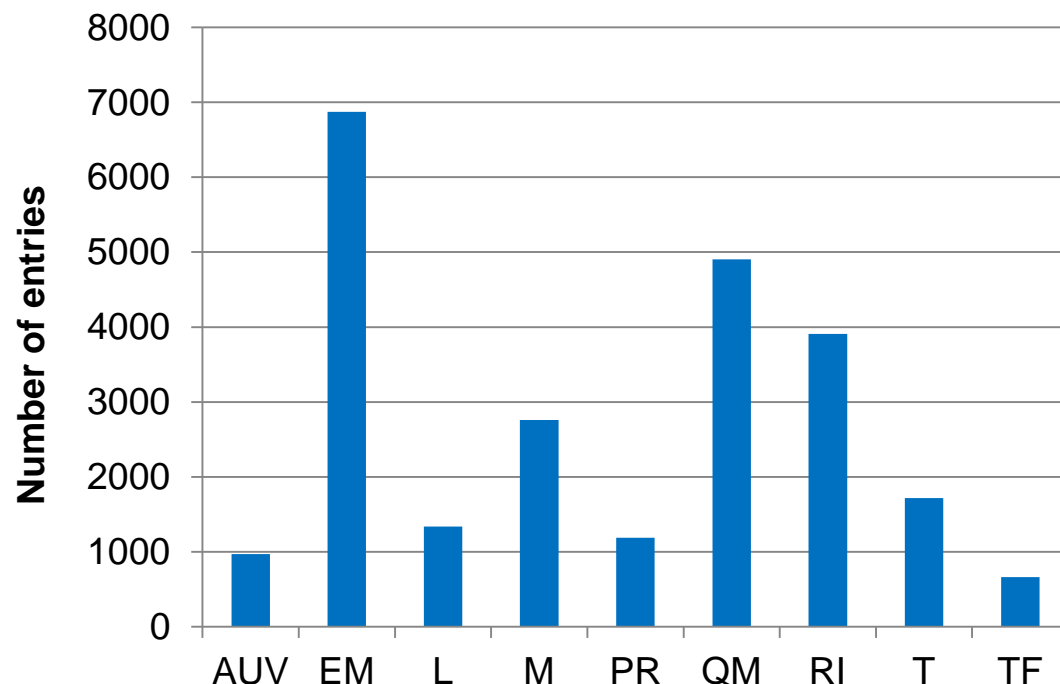


# Reflection on CMC processes

# The MRA: A great Success

- Peer reviewed system, underpinned by measurement comparisons
- Harmonized standards worldwide
- Improvement of measurement capabilities in NMIs and DIs

# Numbers



Total: 24'315 entries  
(EURAMET ~ 50%)

62 countries  
A few entries/ country up to  
2'000

> 800 Key comparisons  
> 320 Supplementary  
comparisons

The MRA processes (CMC review and comparisons) represent an important workload for the technical committees in the RMOs. The experience with recent CMC reviews shows that the CMC processes are becoming more and more difficult to handle:

- The number of entries steadily increases.
- It is difficult to review all entries properly and to ensure their validity over time.
- For an external customer it is difficult to compare services published in the KCDB and to choose. For this purpose, the data base entries are often not comparable enough.

- Handling of entries.
  - Coordination among the RMOs
    - Procedures
    - Review
  - Deadlines
- 
- **The TCs do a lot to make the process more efficient**

- A step ahead is needed to make the MRA more efficient and sustainable.
- **EURAMET should take the lead**

### **To keep the system manageable, it has to be simplified**

- Restrict CMC declarations to selected key quantities defined by CIPM-CCs (quantity, range, best uncertainty)
- Detailed description of the services left to NMIs/Dis according to an agreed procedure
- “Flexible Scope”

### **The CMC declarations have to be understandable for our customers**

- Simplification and harmonization of the CMC presentation in the database.