



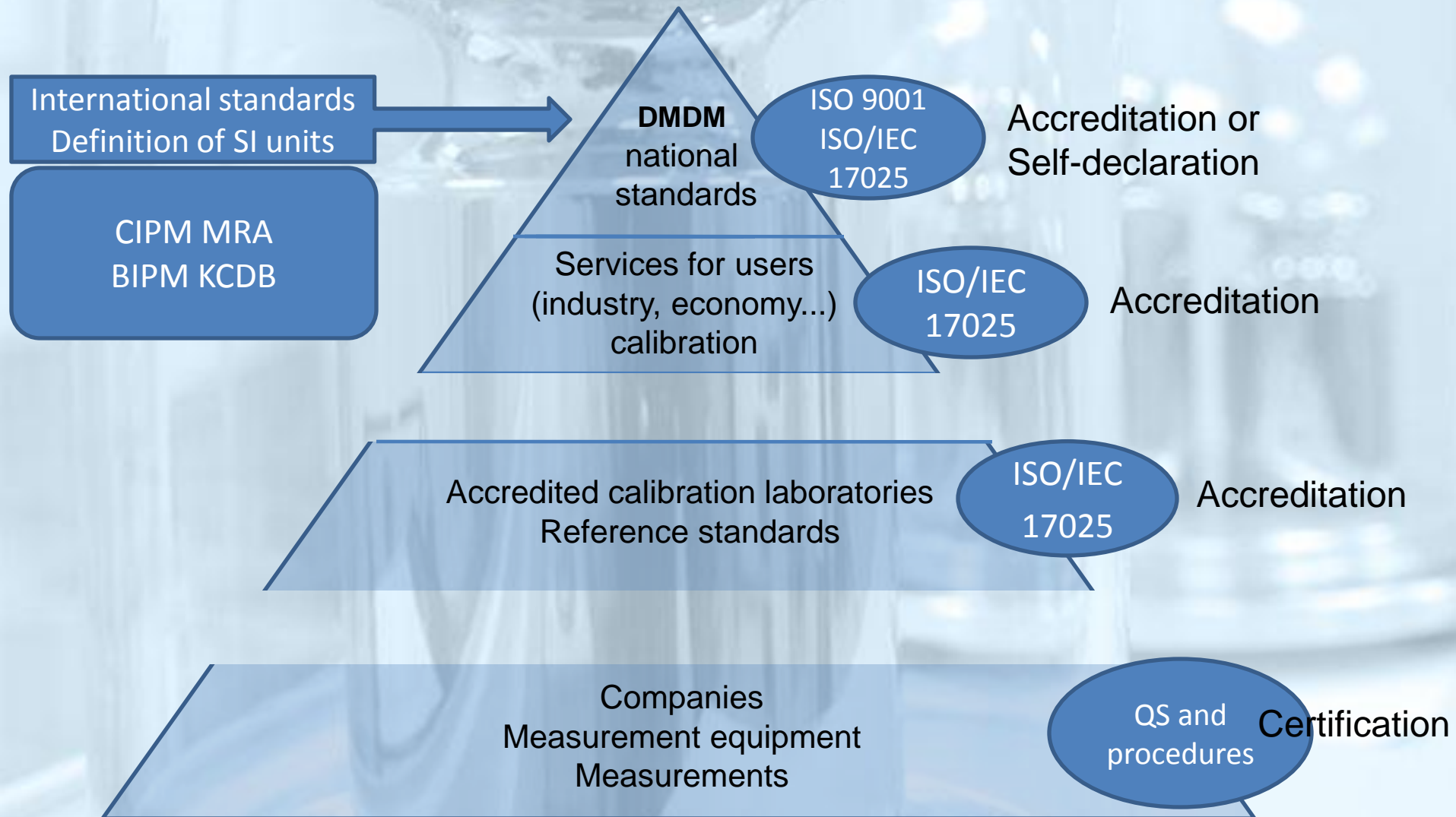
Republic of Serbia  
Ministry of Economy

DIRECTORATE OF MEASURES  
AND PRECIOUS METALS

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# General structure of Metrology System in Republic of Serbia





## Directorate of Measures and Precious Metals – in short

- Serbian NMI
- 126 employees
- Scientific and legal metrology
- Located in Belgrade and 5 other locations in Serbia (Subotica, Zrenjanin, Novi Sad, Krusevac and Nis)
- Serbia joined the Metre Convention on October 30, 1879
- Member of CGPM (BIPM) and signatory of CIPM-MRA, member of EURAMET, EURACHEM, WELMEC, OIML, IAAO, Hallmarking convention
- 130 published CMCs
- Implemented QS – ISO/IEC 17025, ISO 9001, ISO 14001, OHSAS 18001)
- More information on [www.dmdm.rs](http://www.dmdm.rs)



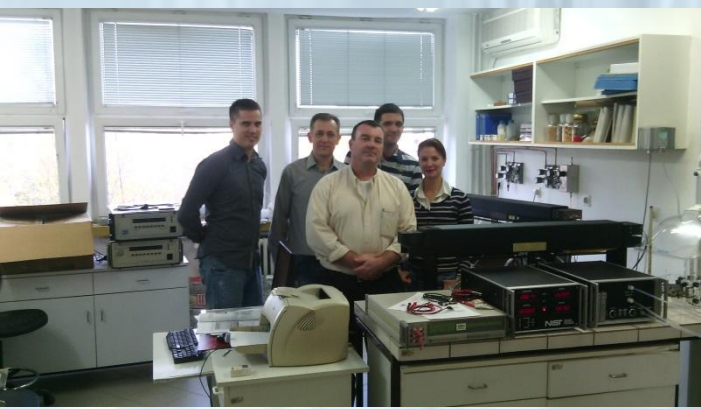
## Sector for Metrological Development - Group for Metrology in Chemistry

- Activities:
  - I. Included in type approval and certification;
  - II. Calibration;
  - III. Production of CRMs;
  - IV. Organizing PT schemes;
  - V. Organizing trainings.



# Sector for Metrological Development - Group for Metrology in Chemistry

- Laboratories:
  - I. Laboratory for refractometry
  - II. Moisture laboratory
  - III. Density laboratory – liquids
  - IV. Laboratory for CRMs
  - V. Currently developing ozone measurement laboratory





# International cooperation and projects in Metrology in Chemistry – current activities

- EURAMET – EMRP (as RMG, ESRMG), EMPIR
- EURAMET – Focus Group (Trainings, attending and lecturing)
- IPA – Trainings and equipment
- International Technical cooperation –PTB, GIZ (networking of chemical laboratories in Serbia)
- IRMM and EC – TrainMiC (training at the national level)



# Future projects and ongoing activities in Metrology in Chemistry

- Certification and production of CRMs – Ethanol in water solutions for the purpose of verification of evidential breath analysers (in cooperation with PTB)
- Primary ozone measurements – NIST SRP 54 (in cooperation with NIST)
- Hydrostatic balance – for the purpose of calibration of hydrometers and determination of density of liquids
- EMPIR – EnvCRM started in cooperation with 8 partners, with coordination from TUBITAK UME.



**Thank you for your attention!**