

# Euro-Asian Cooperation of National Metrological Institutions

Inter-RMO workshop on activities in support of small,  
emerging and developing economy NMIs

Ulaan Baatar, Mongolia  
29th June - 1st July 2011





## What is COOMET?

**COOMET** – Euro-Asian Cooperation of National Metrological Institutions – is a Regional Metrology Organization with 18 member countries from Central and Eastern Europe, Caucasian Region and Central Asia.

**COOMET** was founded in June, 1991

**COOMET** is open for any metrological institutions from other regions to join as associate members.



# What is COOMET?

## Objectives

Assistance to overcome problems relating to uniformity of measures, uniformity of measurements and the required accuracy of their results;

Assistance in promoting cooperation of national economies and eliminating technical barriers to international trade;

Harmonisation of activities of metrological services of Euro-Asian countries with similar activities in other regions.



## COOMET activity is based on the following documents:

- Memorandum of Understanding (MoU);
- Rules of Procedure;
- CONCEPTION of Cooperation;
- COOMET Development Program for 2008 – 2010;
- COOMET Working Program

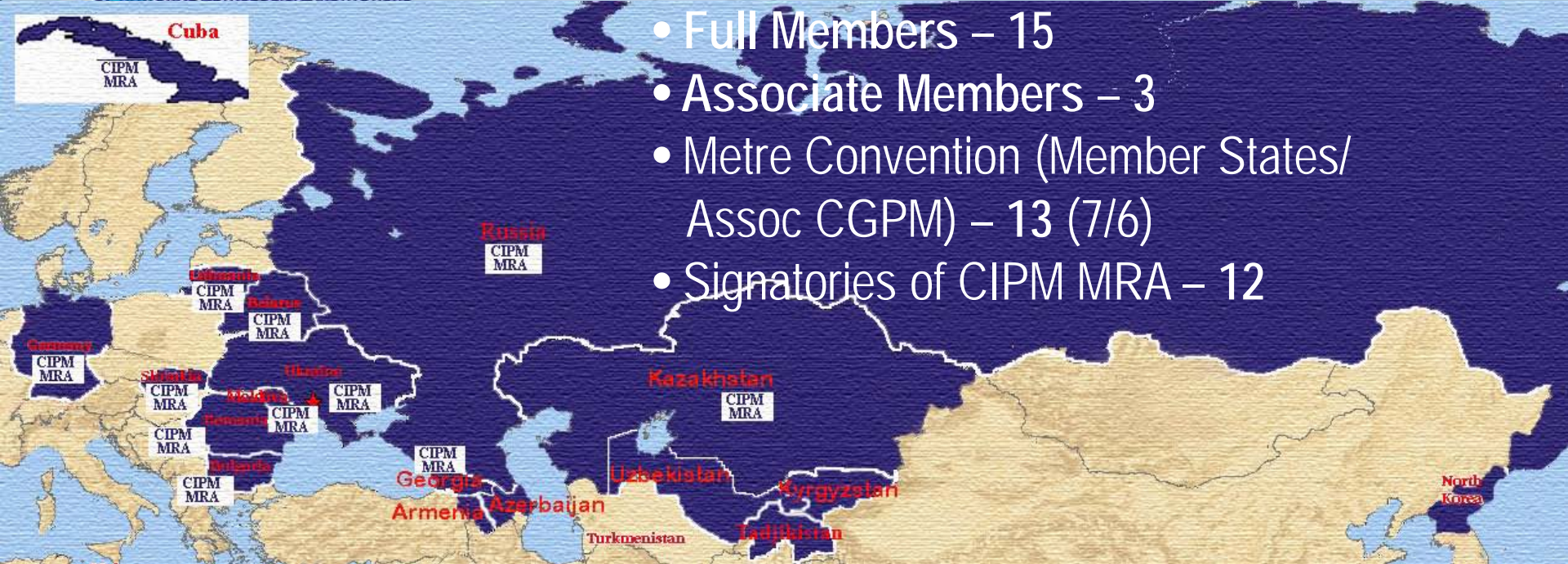
## AREAS of COOPERATION:

- MEASUREMENT STANDARDS;
- LEGAL METROLOGY;
- QUALITY MANAGEMENT SYSTEMS;
- INFORMATION AND TRAINING;
- JOINT RESERCH in METROLOGY.



# COOMET member countries

- Full Members – 15
- Associate Members – 3
- Metre Convention (Member States/  
Assoc CGPM) – 13 (7/6)
- Signatories of CIPM MRA – 12



ARMENIA  
AZERBAIJAN  
BELARUS  
BULGARIA  
CUBA  
GERMANY



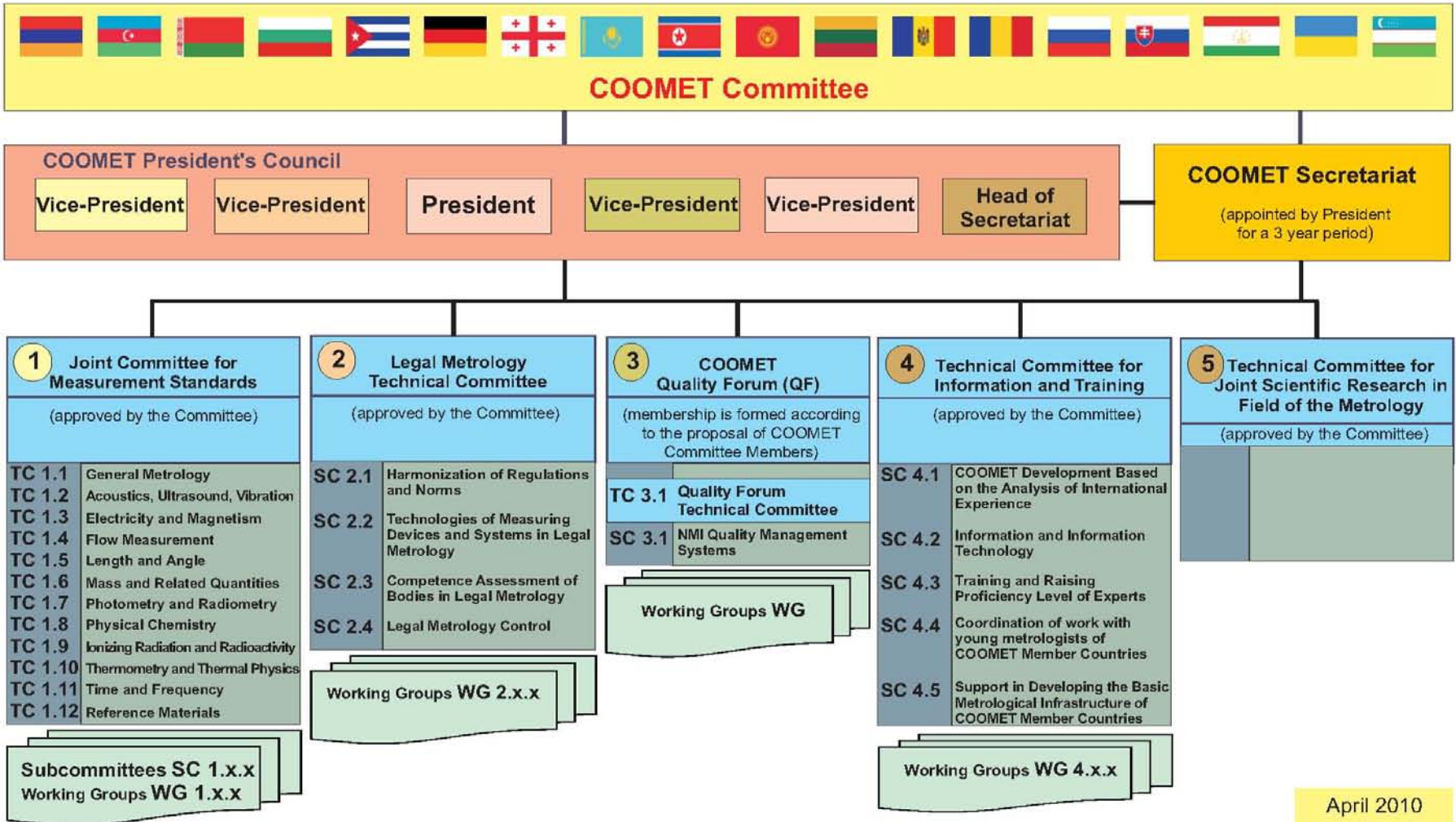
GEORGIA  
KAZAKHSTAN  
DPR of KOREA  
KYRGYZSTAN  
LITHUANIA  
MOLDOVA



ROMANIA  
RUSSIA  
SLOVAKIA  
TAJIKISTAN  
UKRAINE  
UZBEKISTAN



# COOMET STRUCTURE



April 2010

## TC 4 “Information and Training”

Technical committee “Information and Training” (TC 4) was created in May 2002. TC has five Sub-committees:

SC 4.1 “COOMET Development Based on the Analysis of International Experience”;

SC 4.2 “Information and Information Technology”;

SC 4.3 “Training and Raising the Proficiency Level of Experts”;

**SC 4.4 “Coordination of Work with Young Metrologists of COOMET Member Countries”;**

**SC 4.5 “Support in Developing the Basic Metrological Infrastructure of COOMET Member Countries”.**



## SC 4.5 “Support in Developing the Basic Metrological Infrastructure of COOMET Member Countries”

Three main areas have been identified during several workshops with participation of developing countries:

1. **CMCs and related issues**
2. **Quality Management systems**
3. **Awareness raising**

The Chair of the SC 4.5 was appointed from the country with developing metrological infrastructure – Kazakhstan.

Seminars, workshops, on-job trainings were held to implement the objectives set up during SC 4.5 meetings.



## Workshops, Trainings

- The workshop “**Calibration. Verification. Traceability**” was held in Yerevan (Armenia) on 14–16 July 2009. The workshop was organized by COOMET Secretariat and the National Secretariat of COOMET in Germany under financial support within the funds of the Project “Promotion of the regional cooperation between the member states of the RMO COOMET”. 21 representatives of 10 COOMET Member Countries participated in the workshop.
- The workshop “**Implementation of QMS at NMIs according to ISO 17025**” was held in Tbilisi (Georgia) on 4–15 October 2009. The workshop was organized by COOMET Secretariat and the National Secretariat of COOMET in Germany under support of PTB within the funds of the Project “Promotion of the regional cooperation between the member states of the RMO COOMET”. 26 representatives of 11 COOMET Member Countries as well as Assistant Director of BIPM for International Relations Dr Pedro Espina participated in the workshop.



## Workshops, Trainings,

- The workshop for **COOMET Auditors Carrying Out Peer Reviews of Quality Management Systems of NMIs according to ISO/IEC 17025** was held in Chisinau (Moldova) on 1–3 December 2009. 31 representatives of 12 COOMET Member Countries and JCRB Executive Secretary Luis Mussio participated in the workshop.
- The workshop for **Online Editors of the new COOMET Web-portal** was held in Braunschweig (Germany) on 18–23 March 2010. 19 representatives of 14 COOMET Member Countries participated in the workshop.
- 505/BY-a/10 Organization and conducting the training COOMET workshop **“Effective presentation and intercultural awareness”**. The workshop was held on 28-30 September 2010, Minsk, Republic of Belarus. 26 young metrologists from 12 COOMET member countries. Training workshop was held for young metrologists of COOMET member countries wishing to participate in competitions “The best young COOMET metrologists presentations.”



## Workshops, Trainings,

- Two days workshop (506/GE/10) **“Workshop on uncertainty of measurements in the field of mass metrology”**. Preparation of conducting the comparison in the field of mass metrology with demonstration of all necessary practical steps for filling in CMC in the KCDB in BIPM. The workshop was held on 5-7 October 2010 in Tbilisi, Georgia. 28 metrologists from 13 COOMET took part in the work of workshop.
- As a part of the activities to support development of human resources in the field of QMSs representatives from developing countries are given opportunity to participate as observers during the peer-reviews carried out by COOMET e.g. observers from Russia, Moldova, Georgia were invited to participate in peer-reviews of BelGIM (Minsk), UkrCSM (Kiev), NSC IM (Kharkiv). It is planned to continue participation of observers from developing (as well as from developed) countries to ensure availability of experts (auditors) for realisation of peer-reviews in the framework of COOMET.



## Future Plans

To identify needs of the member countries COOMET project was initiated in 2010:

1. 510/KZ/10 “**Determination of the needs of NMIs of COOMET member countries in training and on-job training**”. The aim of the Project is to identify, analyse and evaluate the needs of COOMET member countries in trainings and on-job trainings on concrete thematic fields, based on the results of the filed questionnaires.

It was proposed by Chairperson of SC 4.4 to distribute additional questionnaires or finalizations of the existing questionnaires to young metrologist to collect data regarding young specialists in the field.

It is planned to start pilot comparison in the field of Mass measurementns, which will be orginized in the form of on job training (proposed pilot laboratory –KazInMetr, Kazakhstan).



# New working web-portal of COOMET

## Using the Internet Potential

### Key Issue: Decentralized Collaboration

More than a classic website ... a **TOOL**

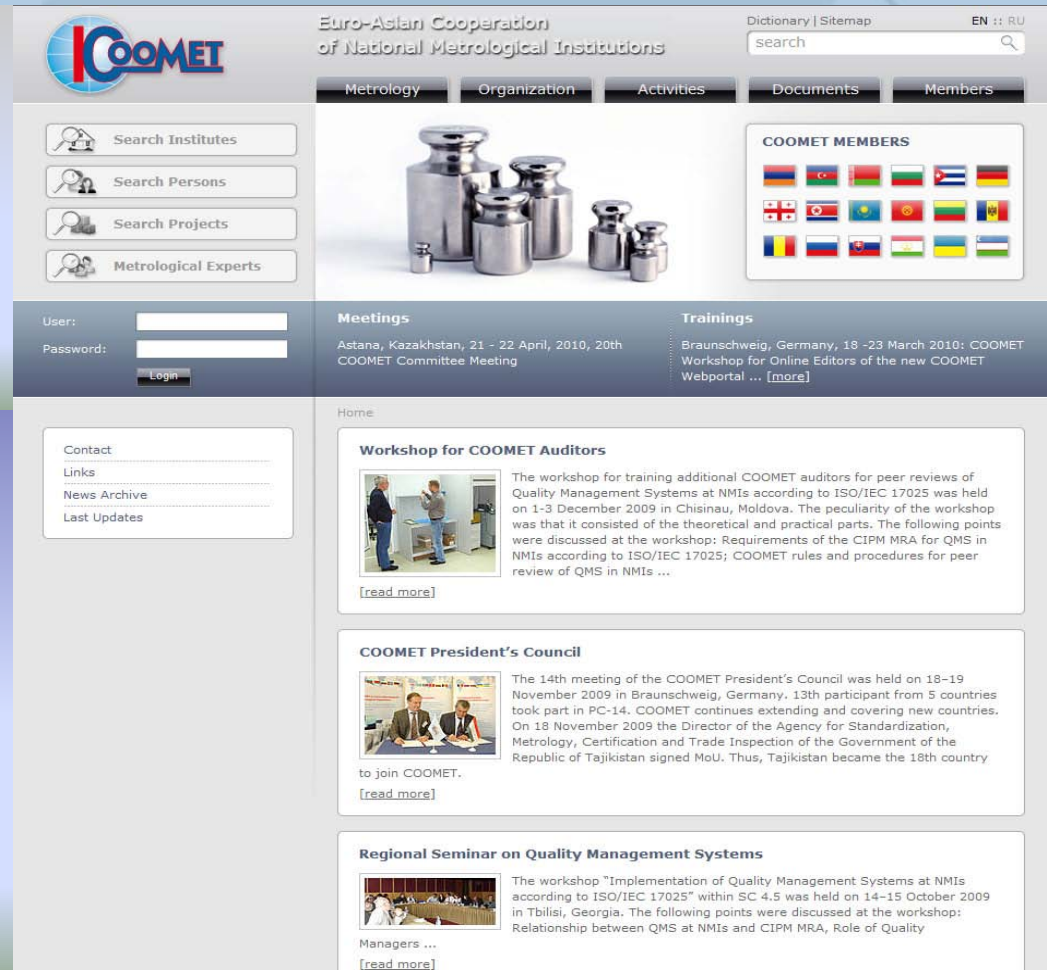
... for greatly improving the **workflow**  
... for **data storage and retrieval**  
... for **exchange and communication**

**2 kinds of user groups:**

**Chief Editor (Secretariat):**  
Access to all *content* of the  
webportal

**Editors (TC members & NMI  
editors):**

Restricted access to *specific* pages  
+ Admin: *Only technical  
maintenance*



The screenshot shows the COOMET web-portal interface. At the top left is the COOMET logo. The main header includes the text "Euro-Asian Cooperation of National Metrological Institutions" and a search bar. Below the header are navigation tabs for "Metrology", "Organization", "Activities", "Documents", and "Members". The main content area is divided into several sections:

- Search Institutes, Search Persons, Search Projects, Metrological Experts:** Four search boxes with magnifying glass icons.
- COOMET MEMBERS:** A grid of national flags representing member countries.
- Meetings:** A section titled "Astana, Kazakhstan, 21 - 22 April, 2010, 20th COOMET Committee Meeting".
- Trainings:** A section titled "Braunschweig, Germany, 18 -23 March 2010: COOMET Workshop for Online Editors of the new COOMET Webportal ... [more]".
- Workshop for COOMET Auditors:** A section with a photo of two people and text: "The workshop for training additional COOMET auditors for peer reviews of Quality Management Systems at NMIs according to ISO/IEC 17025 was held on 1-3 December 2009 in Chisinau, Moldova. The peculiarity of the workshop was that it consisted of the theoretical and practical parts. The following points were discussed at the workshop: Requirements of the CIPM MRA for QMS in NMIs according to ISO/IEC 17025; COOMET rules and procedures for peer review of QMS in NMIs ... [read more]".
- COOMET President's Council:** A section with a photo of a meeting and text: "The 14th meeting of the COOMET President's Council was held on 18-19 November 2009 in Braunschweig, Germany. 13th participant from 5 countries took part in PC-14. COOMET continues extending and covering new countries. On 18 November 2009 the Director of the Agency for Standardization, Metrology, Certification and Trade Inspection of the Government of the Republic of Tajikistan signed MoU. Thus, Tajikistan became the 18th country to join COOMET. [read more]".
- Regional Seminar on Quality Management Systems:** A section with a photo of a seminar and text: "The workshop 'Implementation of Quality Management Systems at NMIs according to ISO/IEC 17025' within SC 4.5 was held on 14-15 October 2009 in Tbilisi, Georgia. The following points were discussed at the workshop: Relationship between QMS at NMIs and CIPM MRA, Role of Quality Managers ... [read more]".
- Contact, Links, News Archive, Last Updates:** A sidebar menu.
- User Login:** A form with fields for "User:" and "Password:" and a "Login" button.



# Proposals for inter-RMO cooperation

1. To carry out survey, analysis for identifying common fields of interest as well as absorption capacities of RMOs.
2. To promote exchange of specialists, particularly in the field of QMS, support participation of QMS experts/auditors from other RMOs in peer-reviews.
3. To identify possibilities for elaboration of a common approach to awareness raising and PR activities regarding the Metrology on the country, regional and international level.



**THANK YOU FOR YOUR ATTANTION**

