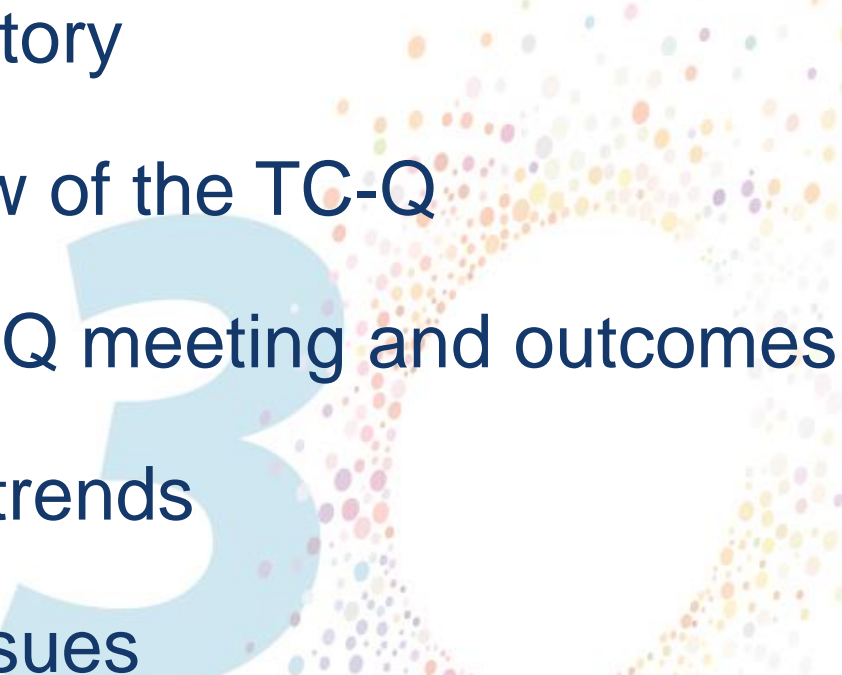




Report of the TC Quality

Enver Sadıkoğlu
TC-Q Chair,
TÜBİTAK UME (Turkey)

Madrid and Tres Cantos, Spain
15 – 18 May 2017

- Brief History
 - Overview of the TC-Q
 - Last TC-Q meeting and outcomes
 - Current trends
 - Other Issues
- 
- A large, light blue number "3" is positioned behind the list. To the right of the "3" is a circular cluster of many small, multi-colored dots in shades of yellow, orange, pink, and blue, resembling a stylized sunburst or a molecular structure.

History of TC-Q



- 2000** First meeting of QS-Forum under INTMET (INITIATION project)
- 2005** EUROMET GA decided to establish TC-Q as a continuation of QS-Forum activities
- 2009** TC-Q has permanent secretary
- 2013** Terms of Reference of TC-Q approved
- 2015** TC-Q database became operational for maintenance of TC-Q documentation

TC-Q Chairs



Menno
Plantenga
NMI VSL,
The Netherlands
2000 - 2002



Attilio Sacconi
INRIM,
Italy
2002 - 2006



Luc Erard
LNE,
France
2006 - 2009



Pavel
Klenovsky
CMI,
Czech
Republic
2009 - 2014



Enver Sadıkoğlu
TÜBİTAK UME,
Turkey
2014 - ...

Overview of TC-Q



- 35 contact persons

Cyprus and Malta are missing

- Regular annual meetings since 2004
- Permanent secretary: Silvie Hoffmanova
- Steering Committee: 11 persons (12 in 2016)

Composition of TC-Q Steering Committee



Enver Sadıkoğlu
(Turkey)



Silvie Hoffmanova
(Czech Republic)



Rado Lapuh
(Slovenia)



Fiona Redgrave
(United Kingdom)



Kai Stoll-Malke
(Germany)



Fernanda Saraiva
(Portugal)



Daniel Dänzer
(Switzerland)



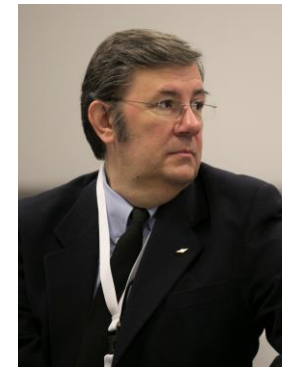
David Fleming
(Ireland)



Dionisios Kiriakidis
(Greece)



Boris Lastro
(Serbia)



Ezio Dragone
(Italy)

New TC-Q Contact Persons



- Latvia Valdis Gedrovics (LATMB)
- **Luxembourg** **Philippe Kadok (ILNAS)**
- Slovakia Karol Mikula (SMU)
- Austria Katharina Zellhofer (BEV)
- Czech Republic Jaroslav Mucha (CMI)
- Ireland David Fleming (NSAI NML)

Observer Status

- IAEA Tomislav Bokulic

Last TC-Q meeting and outcomes



Venue: Dublin, Ireland

Date: 11-13 April 2017

52 participants from 33 countries

Invited guests from APMP, COOMET, GULFMET and EA LC

Last TC-Q meeting and outcomes



- Initial presentation: **Estonia, Metroser AS**
- Re-evaluation presentations from 5 countries
 - The Netherlands: VSL
 - Sweden: SSM
 - FYR Macedonia: BOM
 - Germany: PTB, BAM, BVL
 - United Kingdom: NPL, LGC, NEL, NMO, NGML
 - International Atomic Energy Agency
 - Re-evaluation presentation of Umweltbundesamt (Germany) was postponed to the next year

Last TC-Q meeting and outcomes



- Review of 106 Annual Reports from 33 countries and three international organizations
 - Full confidence was given to 34 NMIs/DIs on spot,
 - Major complementary information was requested from 2 NMIs
- 2 hours workshop

Current trends



Number of peer review projects are increasing...

Project No. 1373	GUM (Poland), PTB (Germany)
Project No. 1378	IMBiH (Bosnia and Herzegovina), MIRS/SIQ (Slovenia)
Project No. 1380	IMBiH (Bosnia and Herzegovina), CMI (Czech Republic)
Project No. 1390	LNE (France), METAS (Switzerland)
Project No. 1393	IMBiH (Bosnia and Herzegovina), MIRS/UL-FE/LMK (Slovenia)
Project No. 1408	INM (Romania), PTB (Germany)
Project No. 1417	LNE-CNAM (France), INRiM (Italy), IPQ (Portugal), HMI-FSB (Croatia) and Comma Consulting (France)
Project No. 1419	NSAI NML (Ireland), TÜBİTAK UME (Turkey)
Project No. 1420	LNE-SYRTE (France), METAS (Switzerland)

Single project in 2009, 29 projects in 2016, 32 projects in 2017

TC-Q is a platform for sharing of knowledge and experience



- 2013** Measurement of customer satisfaction
- 2014** IT tools for various QMS processes
- 2015** Guidelines on borderline CIPM MRA activities and use of ISO Guide 34
- 2016** Revision of the ISO/IEC 17025 standard
- 2017** Risk assessment related to management

TC-Q in CBKT activities



- 7-18 November 2016 BIPM CB&KT training course
“2016 Leaders of tomorrow”
- 7-10 February 2017 BIPM-EURAMET
“TC Leadership” training

CMC Review Process:
Intraregional – EURAMET
Guidelines for CMC Reviews

Review of Quality Management
System of NMIs/DIs within
EURAMET



Towards mandatory on-site visits



- QMS review **shall involve** on-site evaluation by experts fulfilling requirements of the CIPM MRA .
- On-site visits shall be arranged on **5 years** cycle and **cover all fields and sub-fields** where CMCs are published or to be submitted for review
- EURAMET accepts
 - accreditation assessments,
 - internal audits with external experts,
 - on-site visits by peers registered as EURAMET projects,
 - internal arrangements within national metrology system,
 - other equivalent arrangements

Survey on project management



- TC-Q received feedback about lack of evaluation of project management in EURAMET QMS review scheme
- Subject was discussed by TC-Q in April 2017

Conclusion

TC-Q is concerned only with the evaluation of QMS with respect to the requirements of the CIPM MRA

Action

To conduct survey on the existence of project management component within QMS of NMIs/DIs

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Thank you for your attention