

TC-IM meeting

**EURAMET GA
Iceland
May 2013**



TC-IM ToR

- The TC IM addresses issues that:
 - are of a cross cutting nature or
 - not covered by a specific TC
 - not covered by other EURAMET bodies.(e.g. CIPM MRA as indicated in the EURAMET RoP, or to follow activities of FG)
- Additionally, **TC-IM provides a forum and opportunity for bottom-up ideas to be explored.**
- TC-IM captures relevant ideas, current and potential activities.
- TC-IM welcomes suggestions from the TCs and the other EURAMET bodies (BoD, GA, ..).

- EURAMET promotion & dissemination

- *EMRP success stories*

- * Liquefied Natural Gas (published)
- * Long distance
- * Boltzmann constant
- * Qu-candela

- ***E-learning***

- development of a training course, which can be available for Euramet community, with examples
- This draft course has been possible mainly due to the effort and time of our colleagues from EIM, UME and CEM. In particular : Kostas Athanassiadis (GR), Erkan Danaci (TR) and **José Robles (ES)**

⇒ 6 modules

⇒ 15 thematic units

*Thematic units can include one or several lessons.
Some lessons include questions and at the end
of each lesson a comprehension tests is presented*



e-learning

- **Module 1: Metrology and its impact on Society**
- **Module 2: General concepts. International System of units**
- Module 3: Statistics and uncertainty evaluations
- Module 4: Theory of measurement and instrumentation
- Module 5: Introduction to Quality
- Module 6: Metrology Laboratories



Authorship

This Course was developed by the EURAMET e.V., Technical Committee for Interdisciplinary Metrology. EURAMET project xxxx, participants: CEM Spain; EIM Greece; UME Turkey; IPQ Portugal; LNE France;

EURAMET e.V.
Bundesallee 100
D-38116 Braunschweig
Germany

e-mail: secretariat@euramet.org
phone: +49 531 592 1960

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e-Learning



The aims of this project is to facilitate to the metrological community a training course on concepts and general matters in the field of metrology using e-learning tools based on the knowledge and experience of experts from EURAMET.



Characteristics

- The platform will be *moodle* a free and open platform used generally by universities. (see: <http://moodle.org/>)
- No time consuming or minimum time, if any, to maintain the courses.
- There is no tutoring for this course so no teacher is in charge of resolving questions arising from the students.
- Available forums and chats inside the course to resolve doubts between participants.
- Friendly and easy to use.
- Available tools to have data and reports for monitoring

The e-course will be allocated in the EURAMET server



- To be done
 - ⇒ verification of English
 - ⇒ to have the two developed modules in test on the EURAMET website (to get feedback), before to go further in the elaboration of the e-learning



e-Learning

<http://eumoodle.cem.es:18080>



TC-IM / Next

- New activities to be implemented
 - ensuring best practices across EURAMET
 - raising / proving value of EURAMET
 - supporting BoD/GA

⇒ ***Next meeting in November 2013***



• **Questions ?**

