



Capacity Building

9 EURAMET General Assebmly

1-5 June 2015
GUM – Krakow Poland

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Janko Drnovšek, Vice-Chairperson (GA)

EURAMET Capacity Building (CB) Activities

- Capacity building within the FG-FNMID *
- Research Potential (RPOT)
- HI-CB activities supported by EMPIR
- Other Secretariat Supporting activities

*) EURAMET-WELMEC Focus Group on Facilitating National Metrology Infrastructure Development

FG-FNMID: Trainings & Workshops 2014/2015



	host		Support
Training on Humidity Metrology	UME	24-25 Sept. 2014	PTBQ5
Follow-up workshop on the PT in chemistry (Au, Ag, Pt)	IMBiH	18-19 Nov. 2014	PTBQ5
Workshop for Thermocouple and WTP Comparisons	UME	19-20 Mar. 2015	UME/TIKA
Mass calibration and dissemination training	UME	13-17 Oct. 2014	UME/TIKA
Preparatory training for DMM comparison	UME	8-9 Dec. 2014	UME/TIKA
Training and Workshop on Principles of Awareness-Raising, Communication and Public Relations	PTB	17-18 Sept. 2014	PTBQ5
Workshop on RPOT (experiences and improvements)	HMI	12 Nov. 2014	PTBQ5
Training / Workshop: Principles of Strategic Management 1	DMDM	4-5 Dec. 2014	PTBQ5
Training / Workshop: Principles of Strategic Management 2	DMDM	12-13 Mar. 2015	PTBQ5
Training on Small Media and Low-cost Video Production	UME	18-20 May 2015	PTBQ5
Training and Workshop for Assessors of Inspection Bodies Operating under ISO/IEC 17020:2012	DMDM	20-21 May 2015	PTBQ5

Intercomparisons 2015/2016...



	Pilot	EURAMET Project Nr.	Status
Exercise: Length (gauge blocks) steel, small length – 100mm	UME, TR	1237	Pilot lab to conclude project
Volume comparison at 100 mL – Calibration of micropipettes	IPQ, PT	1322	Ongoing
Comparison of a 50 mL pycnometer and a 500 mL flask	DMDM, RS	1297	Ongoing
Pressure – Digital manometer (oil)	UME, TR	1252	Ongoing
Mass, E2: 1 mg – 1 kg	NSAI /NML, IE	KCDB SC EURAMET.M.M-S5	Agreed
Digital Multimeter comparison	UME, TR	1341	Proposed
Volume, 20 L (planned as EURAMET KC)	EIM, GR		proposal spring-summer 2015
Multi range comparison (100 mg to 5 kg)	UME		April 2016

New type of activities



Enabling environment:

- Supporting communication activities
- Strategic management

Principles of Awareness-Raising, Communication and Public Relations



Objectives:

- Improvement of NMIs' awareness activities
- Exchange of experiences
- Sharing publicity materials
- Planning / prioritisation of joint activities

Next steps - trainings on:

- Approaching media
- Low cost video production
- Small media production

Braunschweig, 17/18 September 2014

Participants:

IMBiH, MBM, BoM, CEM, GUM, SMD, DMDM, KMA, NSAI, UME, PTB Q.5, APMP, EURAMET

Training and workshop on Strategic Management – part 1



Objectives:

- **Support NMIs in strategic planning in order to support NMIs' development.**
 - Basic strategic management guidelines
 - Exchange of knowledge about strategic planning between NMIs (4 case studies presented: NSAI, IMBiH, DMDM, UME)
 - Brainstorming on issues to be improved
- **Collecting information for planning the EURAMET CB activities:** both HI-CB and RPot
- **Stress on EURAMET view on collaboration**
 - avoiding duplication of resources
 - encourage regional cooperation



Beograd, 4/5 December 2014

Participants:

MBM, GUM, HMI, DPM, IMBiH, BoM, NSAI, UME, DMDM

Training and workshop on Strategic Management – part 2



Outcomes:

- **Identification of future development of each NMI**
- **Identification of services (capacities) that particular NMI will not develop despite the need is present (i.e. to be serviced by another NMI/DI)**
- **Identification of possible cooperation** (Thermometry, T&F, Flow, MiC)
- **Identification of items to be included in future EMPIR RPot Calls (PRT ideas) and HI-CB activities**
- **Lessons learnt**
to be available on intranet as reminder and basis for future training activities



Beograd, 12/13 March 2015

Participants:

MBM, GUM, HMI, DPM, IMBiH, BoM, DMDM, KMA

Training on Small Media and Low-cost Video Production



Objectives:

Training for NMI communication staff on preparation of effective, although low-cost communication materials (having in mind very low budgets)



Tuzla/Istanbul, 18-20 May 2015

Participants:

BoM, DMDM, DPM, IMBiH, KMA, MBM, UME

FG-FNMID 2015 action plan activities in preparation



	host		Support
Training on dissemination of T & F Preliminary interest IE, IS, MK, KS, LU, BA, HR, RS, BG	DMDM	Nov. 2015	PTBQ5
Training on breath alcohol analysers testing	DMP	Oct. 2015	PTBQ5
Preparatory training for mass multirange comparison	UME	April 2016	UME/TIKA

Training for NMI management on approaching media (by Deutsche Welle, German national media house with great experience in training management of different institutions in developing countries)	CMI	9-11 Nov. 2015	PTBQ5
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EURAMET

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- Conclusions

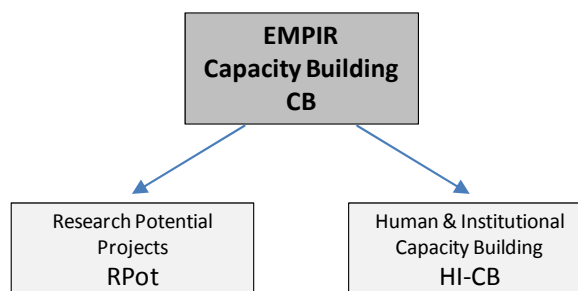
EMPIR:

Capacity Building



EMRP Midterm Evaluation 2011:

“EMRP is not having the desired effect in terms of capacity building in those countries with limited or no metrology research capability ...”



JRP-type projects

for development of potential for metrology research and/or establishment of competitive metrology infrastructure, responding to an existing gap in emerging EURAMET member countries or regions.

CB projects and activities

for consolidation of metrological core competence

EMPIR: Research Potential Projects (RPOT)



EURAMET intends that EMPIR will develop a balanced and integrated metrology system in the participating states. For those states with limited metrology research capability, “Research Potential” projects should enable them to develop their scientific and technical research capabilities in areas of national and regional strategic priority.

EMPIR: Research Potential Projects (RPOT) 2014



The first Research Potential Call

- No previous experience with RPOT within EURAMET community
- A Pilot (learning) call
- 4 countries participate in a JRP-type activity for the first time, other 3 with short experience

- **Outcome of the first call**
 - 31 Potential Research Topics (PRTs) had been submitted
 - 9 Selected Research Topics (SRTs) in Call for project proposals
 - 5 Joint Research Projects (JRPs) selected for financing
(with 22 participating EURAMET member countries)

Selected Research Topics (SRTs) to be confirmed on 5 June

EMPIR Research Potential (RPOT) Secretariat support

- *Supporting members in understanding nature and procedures of the call*
- *Dissemination of information about RPOT in EURAMET community*
- *Supporting networking between NMIs and regions, by:*
 - Operating support desk for NMIs and DIs
 - Initiative for the first RPOT Partnering Meeting
 - Training Partnering Meeting Vienna 30.06./01.07.2014
 - Workshop 2014 FG-FNMID Meeting Zagreb 13.11.2014
 - Training on PRT preparation Sarajevo 17.02.2015
 - Training on PRT preparation Tallinn 19.02.2015
 - Information on various occasions (TC-PR, TC-M, TC-EM 2014; TC-MC, TC-T, TC-IM, TC-TF 2015, TCC Workshops, GA, BoD meetings)

(strongly supported by Secretariat colleagues from Braunschweig and Teddington)

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HI-CB activities supported by EMPIR



- PTB project supporting technical infrastructure (SEE) comes to an end.
- Some UME/TIKA financing may remain
- EMPIR will support activities that are in scope of EMPIR
- Less sponsoring (no T&S) and more responsibility on participants in activities

Proposed steps for annual cycle of CB activities to be financed from EMPIR administrative funds



<i>Discussion of ideas (categories) of CB activities for next year workplan</i>	Spring meeting of EMPIR Sub-Committee for Capacity Building
<i>Approval of proposed categories of CB activities</i>	Summer EMPIR Committee meeting
<i>EURAMET Secretariat collates proposals from FG-FNMID and TCs, consults TCs and experts and searches for trainers and venues for proposed activities</i>	
<i>Confirmation of proposed activities</i>	Fall EMPIR Committee meeting
<i>EURAMET Secretariat organises performance of confirmed activities</i>	

Recent EURAMET CB Activities



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There will be another call in the summer of 2015 for Researcher Mobility Grants attached to the running EMRP projects (calls 2012 and 2013).

If you are interested to send researcher for a RMG, there is still some (very short) time.

If you have not yet done so, please contact our CB Officer tanasko.tasic@euramet.org

EURAMET Capacity Building (CB) Activities



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Evolution of capacity building over the years



“Ad-hoc” activities

Strategic approach

Training courses

Workshops, “enabling environment”

EMPIR Research Potential projects (RPot)



South-East European focus

Europe-wide participation

SEE + AT + DE

IE, LU, CZ, ES, PL, EE,

Evolution of capacity building over the years



Identified issues

Activities to address issues

2007

NMIs not fulfilling EURAMET membership criteria

- training courses
- consultancy

2010

NMIs not participating in CIPM MRA (no CMCs)

- inter-comparisons
- MRA workshops

2012

NMIs not having experience in research

- promoting RMGs
- developing RPot concept
- supporting RPot participation

2014

Individual development of NMI capacities not considering regional/European context

- management workshop
- RPot scope

SEE focus rather than entire EURAMET

- providing information
- trainers from “new” countries
- RPot workshops

A large, abstract graphic on the left side of the slide, composed of several overlapping blue shapes in various shades of blue, including a large semi-circle, a smaller circle, and several curved segments, creating a dynamic, organic form.

Thank you for the attention!

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