



BoD Working Group for Capacity Building Activities

Maria Luisa Rastello, Guardian
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11th EURAMET General Assembly
Madrid and Tres Cantos, Spain
May 15 – 18, 2017

- Introduction: BoD – WGCB
- Capacity Building Instruments
- Human and Institutional Capacity Building Programme (HI-CB)
- Research Mobility Grants (RMGs)
- EMPIR Research Potential Projects (RPTs)

Introduction: BoD – WGCB



“To underpin the vision of a coherent, efficient, sustainable and integrated European metrology network by assisting all EURAMET members, especially new and emerging members, in the development of their national metrology infrastructures”

Guardian: Maria Luisa Rastello, EURAMET Vice-Chairperson (GA)

Convenor: Ömer Altan, TÜBİTAK UME

Capacity Building Officer: Tanasko Tasic

1st Annual Meeting at NSAI, Dublin on October 6-7, 2016

2nd Annual Meeting at FTMC, Vilnius on October 25-26, 2017

1) Human and Institutional Capacity Building (HI-CB) Programme

- Annual action plan proposed at WGCB annual meeting and approved by EMPIR Committee
- Training courses of 2-3 days addressing technical subjects, CIPM MRA, EMPIR processes, NMI management & communications, legal metrology
- Input from WGCB contacts, TCs, Liaison Organizations

2) Researcher Mobility Grants (RMGs)

- Researcher from EURAMET member/associate joins a JRP-partner (NMI/DI) to undertake research additional to the project for 1 - 18 months.
- Goal: develop employing NMI/DIs research capacity, enhance research of EMPIR projects, raise new researchers in metrology
- Calls based on adverts specific to JRPs and identifying area of research

3) EMPIR Research Potential Projects

- Specific JRPs supporting emerging NMIs to develop research capabilities in areas of national and regional strategic priority
- Annual calls

Completed HI – CB Actions 2016 - 2017



- ***Determination of Hydraulic Pressure***
DMDM, Feb 2 – Mar 3, 2017
- ***Workshop on NMI Strategic Management***
DMDM, Dec 5 – 6, 2016
- ***Calibration of air temperature and humidity sensors (instruments)***
- ***Calibration of climatic chambers and furnaces***
- ***Training for system for on-site calibrations of temperature and humidity***
IMBiH, Oct 17 – 21, 2016
- ***2016 Communications Workshop and Roundtable***
NPL, Oct 17 – 18, 2016
- ***Training on Testing Breath Alcohol Analysers***
DPM, Jun 16 – 17, 2016
- ***Training on PRTs and project drafting***
CEM, Feb 4, 2016
- ***Project administrative and financial issues***
BEV, May 10-11, 2016

Trainers from EURAMET,
PTB, NPL, SP, MIRS/IMT,
INRIM

A total of 121 participants from 27 EURAMET members

BIPM – EURAMET TC Leadership Course

7 to 10 February 2017



Follow-up of BIPM-course
“Leaders of tomorrow”
7 to 18 November 2016

First joint training course
by BIPM and EURAMET

Objective:
Preparation of future TC
leaders for their
responsibilities within the
CIPM MRA

18 participants, 12 countries, 8 technical committees

19 lecturers from BIPM and EURAMET

Committed and valuable contributions from lecturers and participants

Lively and constructive discussions

For more information: See news on EURAMET website
[“How to lead and organise Technical Committees”](#)

Planned HI – CB Actions



- Calibration Power Quality parameters & Calibration and calculating MU of electrical energy standards
- Calibration and dissemination of mass unit at E1 level
- Training on measurement uncertainty (*BEV, Nov – Dec '17*)
- Training in support of effective assessment of quality management systems in EURAMET (*INTA, Nov '17*)
- Conformity assessment of NAWI according to Directive on measuring instruments 2014/31/EU & of AWI according to Directive on measuring instruments 2014/32/EU
- Calibration of small volume equipment (micropipettes, flasks, burettes, cylinders, pycnometers)
- Calibration of large volume equipment
- Verification of standard automatic level gauges for measuring the level of liquid in stationary storage tanks (OIML R-85)
- Verification of fuel/LPG dispensers and meters on road tankers by reference/master meter method (R-117)
- Communication officers workshop and roundtable (*CMI, Oct '17*)

More CIPM MRA related trainings

Metrology summer schools for technical fields



Researcher Mobility Grants (RMG) 2016 Call



Interest	
Albania	2
Austria	2
Bosnia and Hercegovina	3
Bulgaria	3
Croatia	1
Czech Republic	1
Estonia	1
Italy	2
Macedonia	1
Montenegro	4
Norway	1
Poland	5
Portugal	1
Romania	5
Serbia	4
Slovakia	1
Spain	2
Turkey	1

Interest	
TC-T	9
TC-IR	7
TC-MC	4
TC-EM	5
TC-F	4
TC-AUV	4
TC-L	1
TC-PR	1
TC-M	1
TC-TF	4

Projects	other	RPT
call 2015	4	3
call 2014	1	5
call 2013	6	

Initial interest	Adverts	Applications	Contracts
40	30	26	18

SK, PT, ME, CZ, BA, IT, BG, RO, RS, NO, AL, ES, PO



IT, DE, FR, CZ, BE

Researcher Mobility Grants (RMG)

2017 Call



Possible Hosting Projects

EMPIR call 2014

IND	RPT
3DMetChemIT	ACQ-PRO
PlanarCal	AWICal
Strength-ABLE	ENVCRM
EMPRESS	Eura-Thermal
MIQC2	
pres2vac	
3D Stack	
ElPow	
MetHPM	
MET5G	
HIT	
Innanopart	
PhotInd	
MNm Torque	

EMPIR call 2015

HLT	SIB
MetVBadBugs	FreeFORM
ReMIND	InK2
EARS II	OC18
NeuroMet	QuADC
PerfusImaging	OFTEN
MRTDosimetry	NanoMag
AntiMicroResist	FuturePhotometry
MetMRgRT	e-SI-Amp
MetrAMMI	3DNano
	MetroBeta
RPT	NRM
UNAC-LOW	Sulf-Norm
RFMicrowave	UHV
HUMEA	Hydrogen
TracePQM	ROCOF

EMPIR call 2016

ENG	ENV
MetroHyVe	MercOx
PV-Enerate	Black Carbon
HyMet	MetEOC-3
MyRails	Preparedness
Biomethane	MetNO2
ADVENT	SIRS
MultiFlowMet II	IMPRESS 2
MICEV	AEROMET
LNG III	MetroDECOM II
	MetroRADON
NRM	RPT
GRACE	ChemMet-Cap
SURFACE	ALCOREF
RTNORM	inTENSE
MagNaStand	
Ion gauge	
EMIRIM	
Vector SAR	
BRDF	

Call open: 3 July – 4 Sept.

Budget: 250 k€

Researcher Mobility Grants (RMGs) 2017 Call



Timeline:

- 30 April: interested researchers and guest working institutions contact EURAMET CBO (*Completed*)
- 30 May: research topics and timelines defined (for the adverts);
- 3 Jul to 4 Sep: the call is open (researchers have to apply);
- Oct to Dec 2017: administrative activities
- Late Dec 2017 or beginning of 2018: earliest start of the RMGs.

Up to 100 man-months worth of research to be funded at guest institutions.

Please consider hosting researchers at your institutions and encouraging your own researchers to take advantage of this opportunity!

EMPIR Research Potential Projects 2016 Call



Three RPT projects funded as a result of 2016 call:

16RPT01 ChemMet-Cap: Development of scientific and technical capabilities in the field of chemical analysis

LNE (France), BIM (Bulgaria), BRML (Romania), TUBITAK (Turkey), HMS (Greece), INRAP (Tunisia)

16RPT02 ALCOREF: Certified forensic alcohol reference materials

BAM (Germany), BRML (Romania), CEM (Spain), MoE (Serbia), HMF (Greece), GUM (Poland), IMBiH (Bosnia-Herzegovina), LNE (France), TUBITAK (Turkey), FTMC (Lithuania), UW (Poland)

16RPT03 inTENSE: Developing research capabilities for traceable intraocular pressure measurements

CMI (Czech Rep.), SMU (Slovakia), GUM (Poland), BEV (Austria), PTB (Germany), SUT – Bratislava (Slovakia), POU (Czech Rep.), TUBITAK (Turkey)

EMPIR Research Potential Projects 2017 Call and Beyond



18 PRTs received for RPT Call

10 SRTs selected (preliminary information)

Call Budget: 2.3 M€, 4 to 5 projects may be funded

Greater diversity of proposers and countries than in years past.

BoD-CBWG intends to guide PRT calls process in 2018 more closely:

- Goal: Have several well developed “strategic” PRT ideas before opening of call. Workshop may be organized for potential proposers.
- Greater assistance to PRT writers by EURAMET CBO

Thank you for your attention!



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