

MEDEA PROJECT

(2014 - 2017)

Metrology: Enabling Developing Economies Within Asia

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Progress Report to APMP-DEC

APMP Midyear Meeting

NIMT, Thailand

6 - 10 June 2016

[Promoting Regional Cooperation in Metrology within Asia]

LISTING OF WORK PACKAGES UNDER MEDEA PROJECT

- 1 WP Joint1 (Development of National Metrology Infrastructure in DEs)
- 2 WP Joint2 (Raise Awareness for Metrology)
- 3 WP Joint3 (Expert Group for International Cooperation)
- 4 WP Joint4 (Management and Stakeholder Communication Skills)
- 5 WP APLMF1 (Fundamental and Advanced Courses in Legal Metrology)
- 6 WP APMP2 (Instrument Bank)
- 7 WP APMP3 (Technical Training)
- 8 WP APMP4 (Metrology in Chemistry)
- 9 WP APMP5 (CMC Publication)
- 10 WP APMP6 (Standalone Initiatives)

ACCOMPLISHED ACTIVITIES IN 2015

Work Packages	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1 Joint1			Revision of Guide 1						Working Draft 3		Committee Draft 1 21	
2 Joint2									Reactivation in Hawaii 28			
3 Joint3			Kick-off Workshop ICG 24-27									
4 Joint4							Strategic Performance Management for Directors 8-9					
5 APLMF1				Pre-packaged goods 18-21	TtT Fuel Dispenser 15-19		Taxi Meters 7-10		CNG Dispensers 8-11		Rice Moisture 16-20	
6 APMP2					Gauge Block 600 mm 15	Gauge Block 300 mm 23			2X Weights set 1 mg to 1 kg 28			
7 APMP3									Laboratory Scales 28-30		CW DMM Comparison 5-7	
8 APMP4							MiC Inorganic 1 & 2 15.06-14.08 Organic 2 15.06-15.09		MiC Organic 1 & 3 17.08-16.10			
									pH 24.08-18.09		APMP MiC Symposium 31	
9 APMP5							QS-CMC Electrical 20-24					
10 APMP6			KRISS-GMA MiG 23-27				KRISS-GMA Flow 1-12		APMP Gas Analysis 3-5		KRISS-GMA Ionizing Radiation 31.08-11.09	

ACTIVITIES IN 2016

Work Packages	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	
1 Joint1		Revision of Guide 1 Committee CD4, Revision & Graphic Design by PTB											
2 Joint2					DEC Case Study Workshop 9 June - Bangkok		Development of Joint APMP/APLMF Web Portal						
3 Joint3							Study visit of NIM China IRO at PTB Tech.Coop. -15 Aug -16 Sept						
4 Joint4		One-year Consultancy for Directors			Soft Skills Workshop 7 June - Bangkok								
5 APLMF1					Verification of Fuel Dispenser 11-13 July - Pattaya		Mass Standards Training 30 Aug - 01 Sept - Jakarta		Verification of Supermarket Scales 28 Nov - 01 Dec - Kuala Lumpur				
6 APMP2					Donations of Instruments by NMIA, Australia 31 May								
7 APMP3	Kick-off WS on Hydraulic Pressure ILC 24-28 Jan - Pathum Thani						Kick-off WS on GPS Time Transfer ILC 27-29 Sept - Taiwan						
					NIMT Pressure Experts Site Visits to Nepal, Bangladesh, Mongolia, Kyrgyz, Sri Lanka June - October								
8 APMP4					MiC Attachment Trainings, Gas 1 (KRISS Korea), Gas 2 (NIM China), Bioanalysis (NIM Beijing) 15 Aug - 30 Sept - Daejon, Beijing			PT Provider Workshop 10-13 Oct - Bangkok		APMP MiC Symposium 12 Nov - Danang			
9 APMP5				CMCs First Timers Mongolia, Pakistan, Bangladesh, Cambodia, Nepal, Sri Lanka, Papua New Guinea							Trial Peer Review Workshop Ulanbataar		
10 APMP6		KRISS-GMA Metrology in Chemistry 21 Mar - 01 Apr - Daejon				KRISS-GMA Electricity & Magnetism 13 - 24 Jun - Daejon			NMIJ Laser Interferometer Workshop 03-07 Oct - Tsukuba				

PARTICIPATION IN FIRST TRAININGS IN 2016

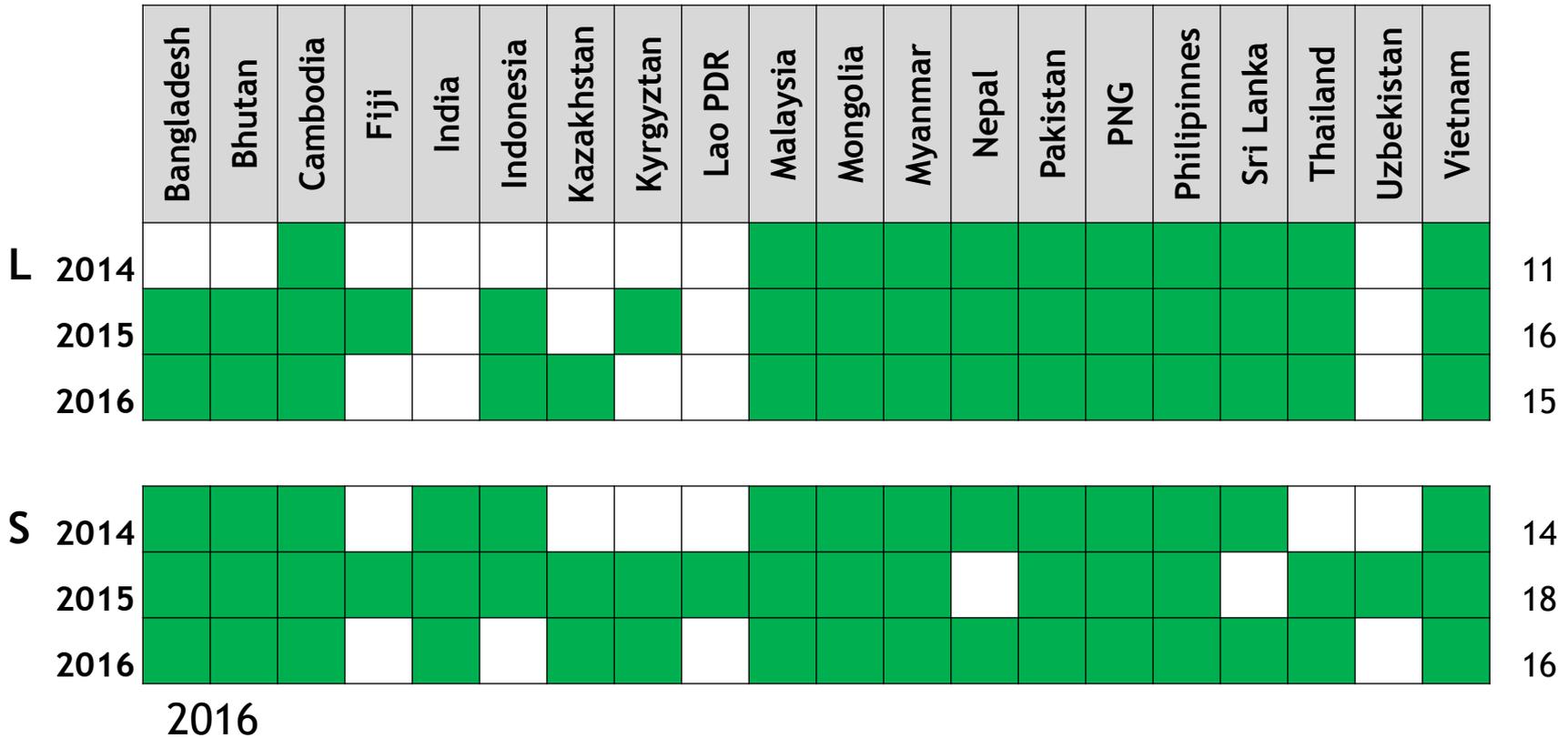
► High demand for trainings

62% of applicants could be trained in 2016 (so far)

	Jan APMP3 Pressure ILC Kickoff	Mar APMP6 KRISS GMA Metrology in Chemistry	June APMP6 KRISS GMA Electricity & Magnetism	July APLMF1 Fuel Dispenser	Aug-Sept APMP4 MiC Attach- ments	Admitted
Bangladesh	1		1	2		4
Bhutan				1		1
Cambodia	2	1		2		5
China				1		1
India			1			1
Indonesia	2	1	1	2	1	7
Kazakhstan			1			1
Kyrgyztan	1					1
Malaysia	2	1	2	1	1	7
Mongolia	2	1		1	2	6
Myanmar		1				1
Nepal	2			2		4
Pakistan			1	1		2
Papua New Guinea	1	1		1		3
Philippines	2			1		3
Sri Lanka	2	1	1	2		6
Thailand				2	2	4
Vietnam	2			1		3
	19/21	7/15	8/18	20/31	6/10	59/95

PARTICIPATION IN REGIONAL CAPABILITY SURVEYS

Annual participation in the surveys is a **prerequisite** to receive funding.



2016

Legal Metrology (L): 15 economies eligible for MEDEA funding
 Scientific Metrology (S): 16 economies eligible for MEDEA funding

PROGRESS IN PUBLISHED CMCs

ECONOMIES	Total Physical Metrology As of 11 September 2015	Total MiC As of 11 September 2015	Total Overall As of 11 September 2015	Total Physical Metrology As of 31 March 2016	Total MiC As of 31 March 2016	Total Overall As of 31 March 2016	Increase / Decrease in Total CMCs
Bangladesh	0	0	0	0	0	0	0
Cambodia	0	0	0	0	0	0	0
China	594	630	1224	636	707	1343	+ 119
Fiji	0	0	0	0	0	0	0
India	238	1	239	238	1	239	0
Indonesia	73	0	73	77	0	77	+ 4
Malaysia	109	0	109	109	0	109	0
Mongolia	0	0	0	0	0	0	0
Nepal	0	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0	0
Papua New Guinea	0	0	0	0	0	0	0
Philippines	21	0	21	31	0	31	+ 10
Sri Lanka	0	0	0	0	0	0	0
Thailand	143	42	185	143	54	197	+ 12
Viet Nam	31	0	31	31	0	31	0
	Not a signatory yet						

► How can the APMP/TCs help in facilitating the progress of CMC submission?

Success Stories

- ▶ Integration of new **MEDEA project team members** (CC incl. APMP/APLMF secretariats) ensuring **knowledge transfer**
- ▶ **Continuous needs assessment**
- ▶ **Continuous improvement of project management procedures based on lessons learned**
- ▶ **Continuous analysis of participants' feedback**

Challenges

- ▶ **Limited manpower for follow-up on all action plans**
- ▶ **Limited use of regional capability survey information**
- ▶ **No funding of trainees from other RMOs (i.e. AFRIMETS, GULFMET)**

MEDEA Team would like to thank all parties that have provided cooperation and collaboration during the course of the project implementation.

THANK YOU!

