

MEDEA PROJECT

Metrology: Enabling Developing Economies Within Asia

Dr. Sabine Greiner

Report to APLMF

24th APLMF Meeting, 25th October 2017, Siem Reap, Cambodia

[Promoting Regional Cooperation in Metrology within Asia]

CONTENT OF PRESENTATION

1. Statistics on Activities in 2017
2. Report on Evaluation (conducted by Lutz Neumann)
3. Proposal for MEDEA 2.0
4. Discussion

MEDEA PROJECT FRAMEWORK

Start: January 2014, End: April 2018

Budget: 2.000.000 EUR

Funding Agency: Federal Ministry for Economic Affairs and Development

Implementation Agency: PTB

Implementation Partners: APMP and APLMF

Project Objective:

“The ability of the regional metrology specialist networks in Asia to promote the metrological systems of developing economies has improved.”

MEDEA COORDINATION COMMITTEE (CC)



APMP:

Abdul Rashid Bin Zainal Abidin – APMP
Coordinator

Dr. Toshiyuki Takatsuji – APMP Technical
Committees (TCs) Focal Person

Dr. Charun Yafa – APMP MiC (Metrology in
Chemistry) Focal Person

APLMF:

Dr. Tsuyoshi Matsumoto –APLMF WG Chair Rice
Moisture Measurement

Marian Haire- APLMF WG Chair Training

Stephen O’Brien – APLMF President

PTB:

Dr. Sabine Greiner – Project Coordinator

Dr. Kristin Kiesow – Past Project Coordinator

Dr. Anna Cypionka – Past Project Coordinator

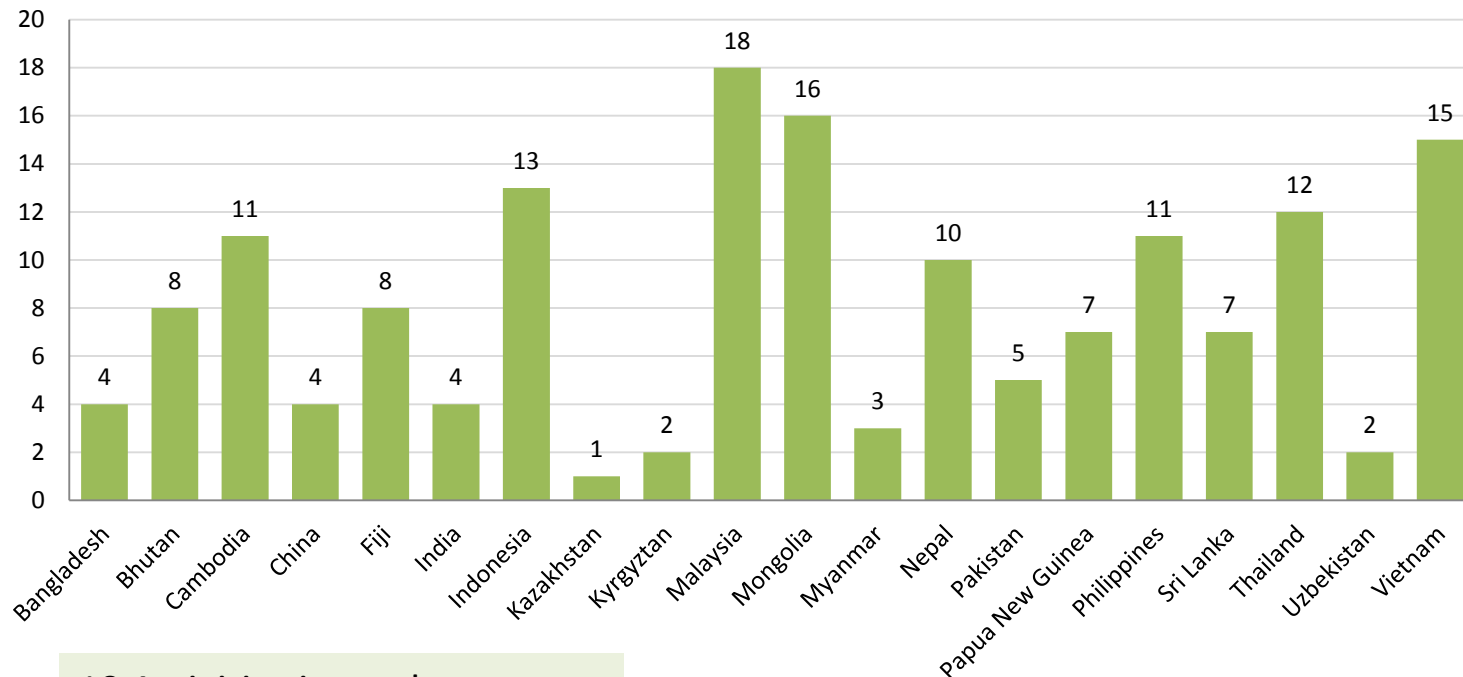
Anne Höpfner – Project Assistant

Jana Hennigs – Past Project Assistant

Stefanie Scheschinski – Past Project Assistant

MEDEA Activities in 2017

Number of participants 2017 (until Oct) - All Work Packages



10 Activities in total
4 (APLMF)
5 (APMP)
1 (Joint)

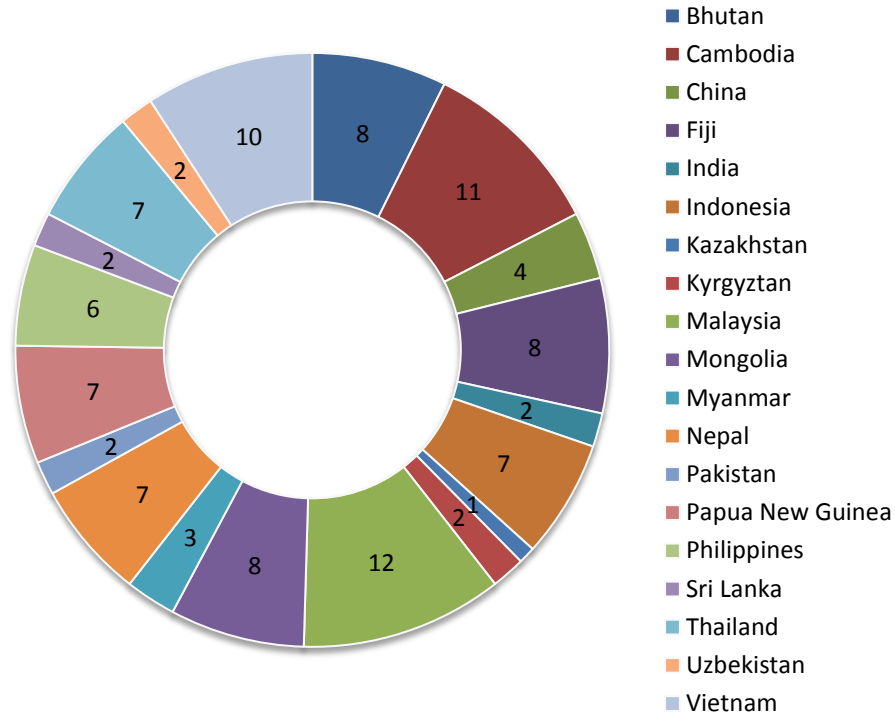
Rejection Rate
Admission Rate

7,74% (12 applicants)
92,26% (161 participants)

MEDEA Activities in Legal Metrology

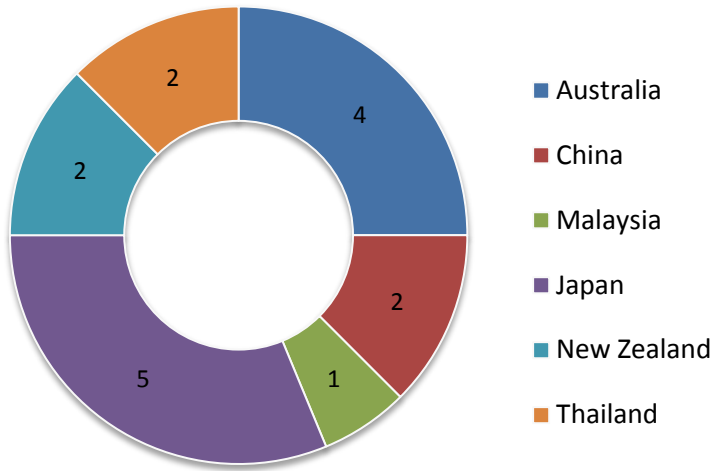
109 participants

Joint WP	APLMF1	APLMF1	APLMF1	APLMF1
Modernising Nat. Infrastructure	Rice Moisture	Bulk Flow Meters	Water Meters	weighbridges

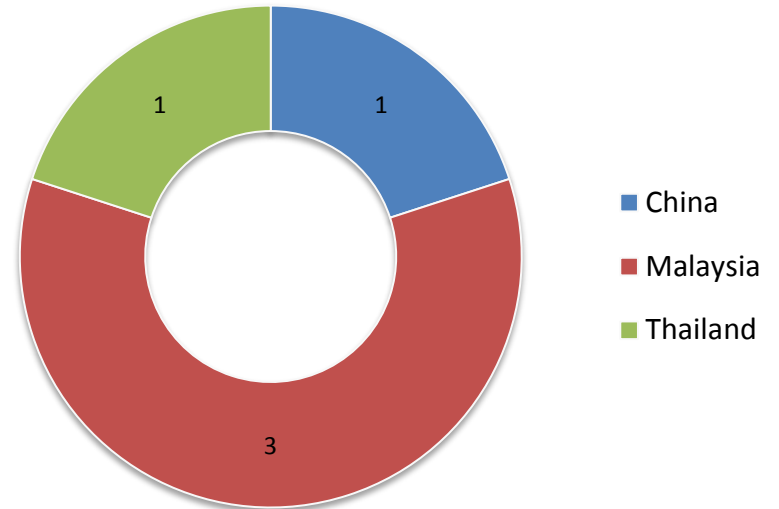


Number of Trainers and Hosts (APLMF)

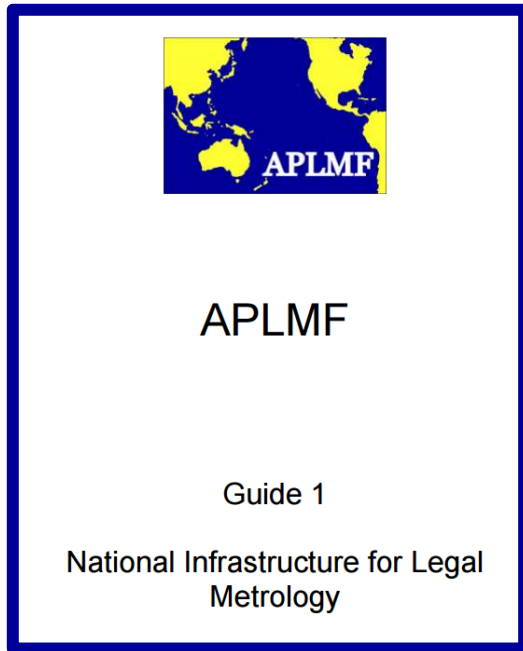
Number of Trainers 2017



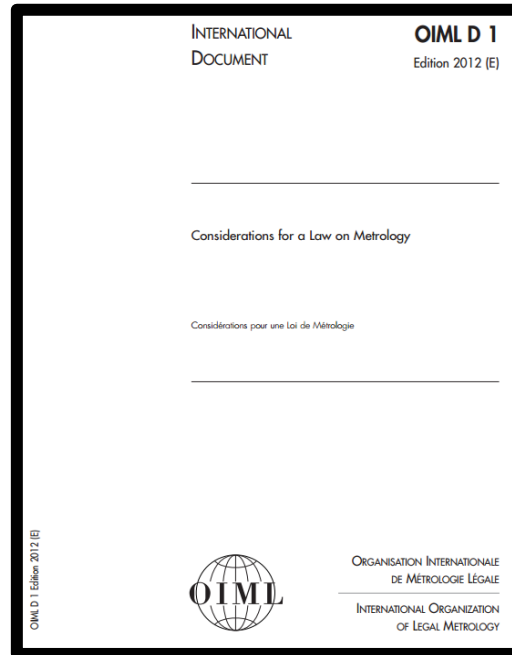
Number of Hosts 2017



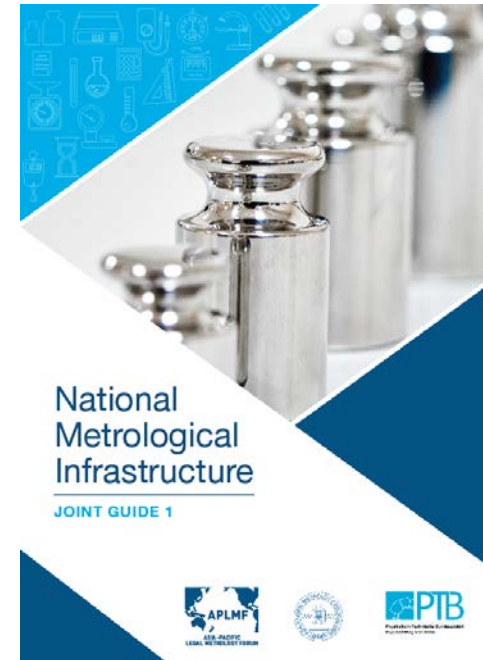
JOINT REVISION OF APLMF GUIDE 1 ON NATIONAL METROLOGY INFRASTRUCTURE



Published in 2010



Published in 2012



Revision of APLMF Guide 1 under WP Joint 1

To address new developments in legal and scientific metrology

Evaluation of the Project

Impact

Objective

The ability of the regional metrology specialist networks in Asia to promote the metrology systems of developing economies has improved.

Indicators

1) APLMF and APMP have established mechanisms to continuously monitor the level of development and potential of developing economies:
100 %

2) No. per year of participants from DE that participate in training and make use of consultancy offered by APLMF and APMP increases by 50% in average compared to 2013:
100%

3) 80% of the representatives .. in at least 10 .. DE indicate in surveys that they increasingly improve their services by using the capacities built through the measures offered by APLMF and APMP:
100% (APMP)
100% (APLMF)

4) The specialist regional networks have gained a total of three new members from developing economies:
100%

Evaluation of the Project – DAC criteria

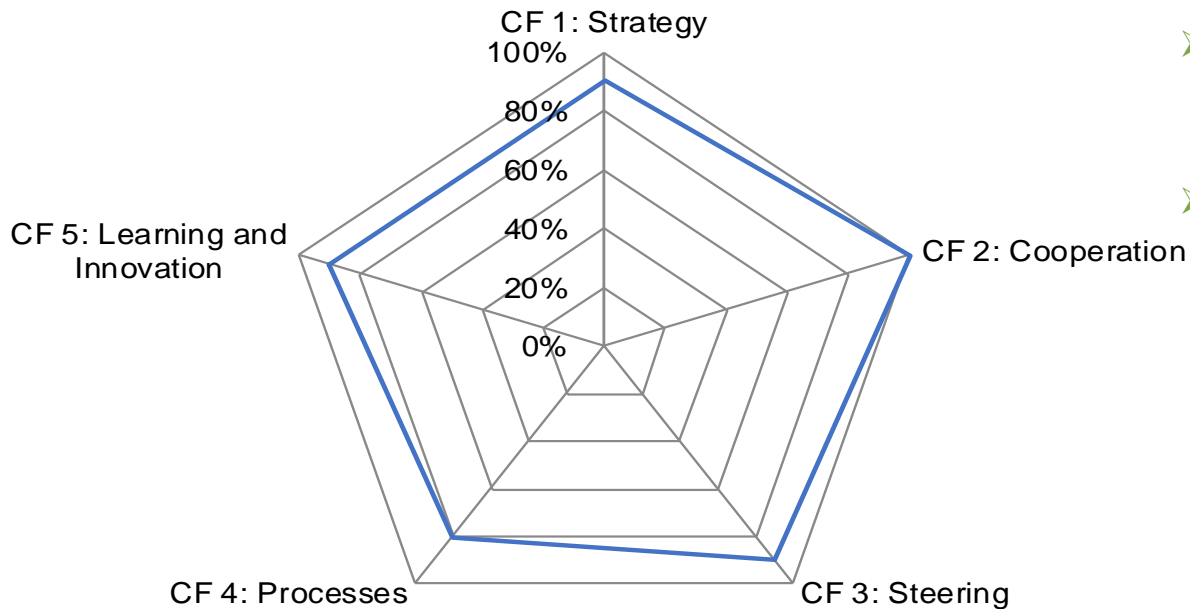
OECD-DAC criteria

Criterion	Rating for criterion
1. Relevance	2
2. Effectiveness	1
3. Impact	3
4. Efficiency	1
5. Sustainability	3
Overall rating	2.0

Evaluation of the Project – Capacity Works

currently achieved

CF 1: Strategy	90%
CF 2: Cooperation	100%
CF 3: Steering	90%
CF 4: Processes	80%
CF 5: Learning and Innovation	90%



- "Impressed that PTB has most important role in funding, but is letting counterparts work and grow. Never seen anything like this before."
- "Very good at processes, flexible to give opportunities to everyone to contribute."
- "Coordinators changed too often... and are double tasked, low level of transfer of knowledge led sometimes to reinventing the wheel, and times where division of labor was unclear – falling in holes, always need to reaffirm the roles."

Proposal MEDEA 2.0

Proposal to be submitted latest by 19th of November to BMZ!

Intended Start: May 2018, End: April 2021

Budget: 1.300.000 EUR

Funding Agency: Federal Ministry for Economic Affairs and Development

Implementation Agency: PTB

Implementation Partners: APMP and APLMF

Project Objective:

“The ability of the regional metrology specialist networks in Asia to promote the metrological systems of developing economies has further improved.”

Proposal MEDEA 2.0

OUTCOME	The ability of the regional metrology specialist networks in Asia to support the metrology systems of developing economies has further improved
Outcome 1	APMP and APLMF have developed a concept to safeguard the demand-driven support of Developing Economies Baseline: 0; Target value: 2
Outcome 2	Developing Economies have improved their competencies by usage of regional knowledge and regional experiences by implementing a new methodology Baseline: 1; Target value: 2
Outcome 3	APMP and APLMF have delivered Capacity Development interventions based on the needs of the Developing Economies which are evaluated by 80% of the participating institutions as useful Baseline: X%; Target value: 80%

Proposal MEDEA 2.0

<p>Outcome 1</p>	<p>APMP and APLMF have developed a concept to safeguard the demand-driven support of Developing Economies Baseline: 0; Target value: 2</p>
<p>Output 1: APMP and APLMF are strategically well positioned for the future and integrate developing economies in relevant topics for sustainable development</p>	<p>Indicator 1: At least 3 case studies are published proving the sustainability of the networks Baseline value: 0 Target value: 3</p>
	<p>Indicator 2: At least 3 additional developing economies are actively participating in both - Focus Groups of APMP or Working Groups of APLMF Baseline value: 3 Target value: 9</p>

Proposal MEDEA 2.0

<p>Outcome 2</p>	<p>Developing Economies have improved their competencies by usage of regional knowledge and regional experiences by implementing a new methodology Baseline: 1; Target value: 2</p>
<p>Output 2: Instruments to promote regional cooperation and usage of regional competencies are used</p>	<p>Three additional metrology topics are covered by training programmes, which are conducted by regional technical experts Baseline value: 3 Target value: 6</p>
	<p>One new approach for improving the relationship between NMIs / LMAs and their users has been implemented Baseline value: 0 Target value: 1</p>

Proposal MEDEA 2.0

<p>Outcome 3</p>	<p>APMP and APLMF have delivered Capacity Development interventions based on the needs of the Developing Economies which are evaluated by 80% of the participating institutions as useful Baseline: X%; Target value: 80%</p>
<p>Output 3: NMIs and LMAs from developing economies apply the criteria for international best practice</p>	<p>A Guide document following OIML recommendations is developed and published by APLMF which describe the appropriate tests required to verify five different instrument types Baseline value: 0 Target value: 5</p> <hr/> <p>At least 7 training programmes- including online courses - are implemented per year Baseline value: 5 Target value: 7</p>

Discussion

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

