PROMOTING REGIONAL COOPERATION IN METROLOGY IN THE ASIA-PACIFIC REGION

MEDEA 2 – Metrology – Enabling Developing Economies in Asia
7th of November 2018, Christchurch, New Zealand
Dr. Sabine Greiner
KEY DATA

- Project Period: May 2018 – April 2021
- Budget: 1.3 Mio. EUR
- Funding: Federal Ministry for Economic Cooperation and Development
- Implementation: PTB, Germany
- Partners: APMP & APLMF
- Target Group: NMIs and LMAs of the Developing Economies in the Asia-Pacific
BENEFICIARY ECONOMIES

Developing Economies of the Asia-Pacific Region
→ More than 20 Economies

Overlap with other regional PTB projects:

**SAARC**: Pakistan, India, Bangladesh, Nepal, Sri Lanka, Buthan, Maldives

**ASEAN**: Thailand, Viet Nam, Cambodia, Myanmar, Indonesia, Laos, Philippines
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Bilateral projects:
FRAMEWORK + BACKGROUND

- Large heterogeneity in the Asia-Pacific Region
- In many economies QI does not meet international requirements hindering competitiveness
- NMIs can not meet the requirements of the clients
- Competitiveness of the SMEs to enter international markets is reduced
- APMP and APLMF play critical role in setting-up metrology in DEs
THE THREE INTERVENTION AREAS

Sustainability
Sustainability Concepts

Regional Cooperation
CABUREK
Regional Trainers

Technical Trainings
Legal & Industrial Metrology
SUSTAINABILITY

• APLMF Working Groups & APMP Focus Groups
• Development of an Online Library / E-learning courses (APLMF)
• Knowledge Management System (Joint)
• Writing of case studies (Joint)
REGIONAL COOPERATION

- Pool of Trainers and harmonized Training Modules
- Implementation of the CABUREK Tool

CABUREK

= Capacity Building Using Regional Experience and Knowledge
CABUREK

All started 2009 with the idea to increase the impact of the NMI through the promotion of better relationship between the NMI and the metrology users:

• Make better use of existing services and competence
• Strengthen demand and user orientation of NMI
• Regional exchange on experiences and best practices
CABUREK – THE STRUCTURE

The CABUREK Project

Technical Committee

WG: Awareness for Metrology
NMI/LMA 1
NMI/LMA 2
NMI/LMA 3
...
10 participants

WG: Needs Assessment for Development of new service
NMI/LMA A
NMI/LMA B
NMI/LMA C
...
14 participants

WG: Market Surveillance
NMI/LMA I
NMI/LMA II
NMI/LMA III
...
6 participants
CABUREK – THE TECHNICAL COMMITTEE

• to plan, organize and coordinate the programme as a whole
• to steer the course of action of the Working Groups
• to prepare, coordinate and evaluate the work carried out in the Workshops
• to provide inputs for strengthening the participants hard and soft skills
• to follow up on the national projects
• To offer permanent support and tutoring
CABUREK – THE PHASES

- **Preparation**
  - Nov 18
  - Sept 18

- **Needs Assessment**
  - Jan 19
  - Mar 19

- **Implementation**
  - Sept 19
  - Apr 20
  - Nov 20

- **Evaluation**
  - 2019
  - 2020

- **Workshops**
  - Opening Workshop Thailand: Sept 18
  - Follow-up Workshop Sri Lanka: Jan 19
  - Follow-up Workshop: Mar 19
  - Follow-up Workshop: Sept 19
  - Follow-up Workshop: Apr 20
  - Follow-up Workshop: Nov 20

- **TC**
  - (1 day)

- **Workshop with participants**
  - 3 days

- **TC**
  - (0.5 day)
CABUREK – THE RESULTS AND IMPACTS

**NMI development**
- Developed capacities:
  - Plan and carry out demand analysis
  - Develop/enhance relations
  - Develop/enhance services
- New/better services for and new/better relations with metrology users
- Enhanced visibility and recognition
- Improved strategic orientation, improved prioritisation

**Impacts for metrology users**
- **General**
  - Better access to services like calibration, proficiency tests, training
- **Industry**
  - Improved production processes, enhanced competitiveness, increased exportation
- **Education**
  - Improved metrology in engineering studies, better trained high school teachers
- **Regulation**
  - Improved regulation, consumer protection, and SI Units implementation
CABUREK – THE RESULTS AND IMPACTS

Individual capacity and personality development

- Systematic project management, survey techniques, develop alliances, etc.
- Communication, collaboration, presentations, management of meetings, etc.
- Working style, systemic thinking, motivation, self-confidence.
- Broader view on metrology

Network between participants

- Exchange of experiences, generation of new ideas, approaches, material, etc.
- Source of motivation
- Opportunity to tap resources of other participants
TECHNICAL TRAININGS (APLMF)

- Verification of Non-automatic Weighing Instruments (May 2018)
- Verification of Rice Moisture Meters (Dec. 2018)
- Software verification for Measuring Instruments
- Type approval & Verification of Utility Meters
- Training Course on belt weight instruments
- Development of guidelines
Questions?