

# PROMOTING REGIONAL COOPERATION IN METROLOGY IN THE ASIA-PACIFIC REGION

MEDEA 2 – Metrology – Enabling Developing Economies in Asia

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# 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

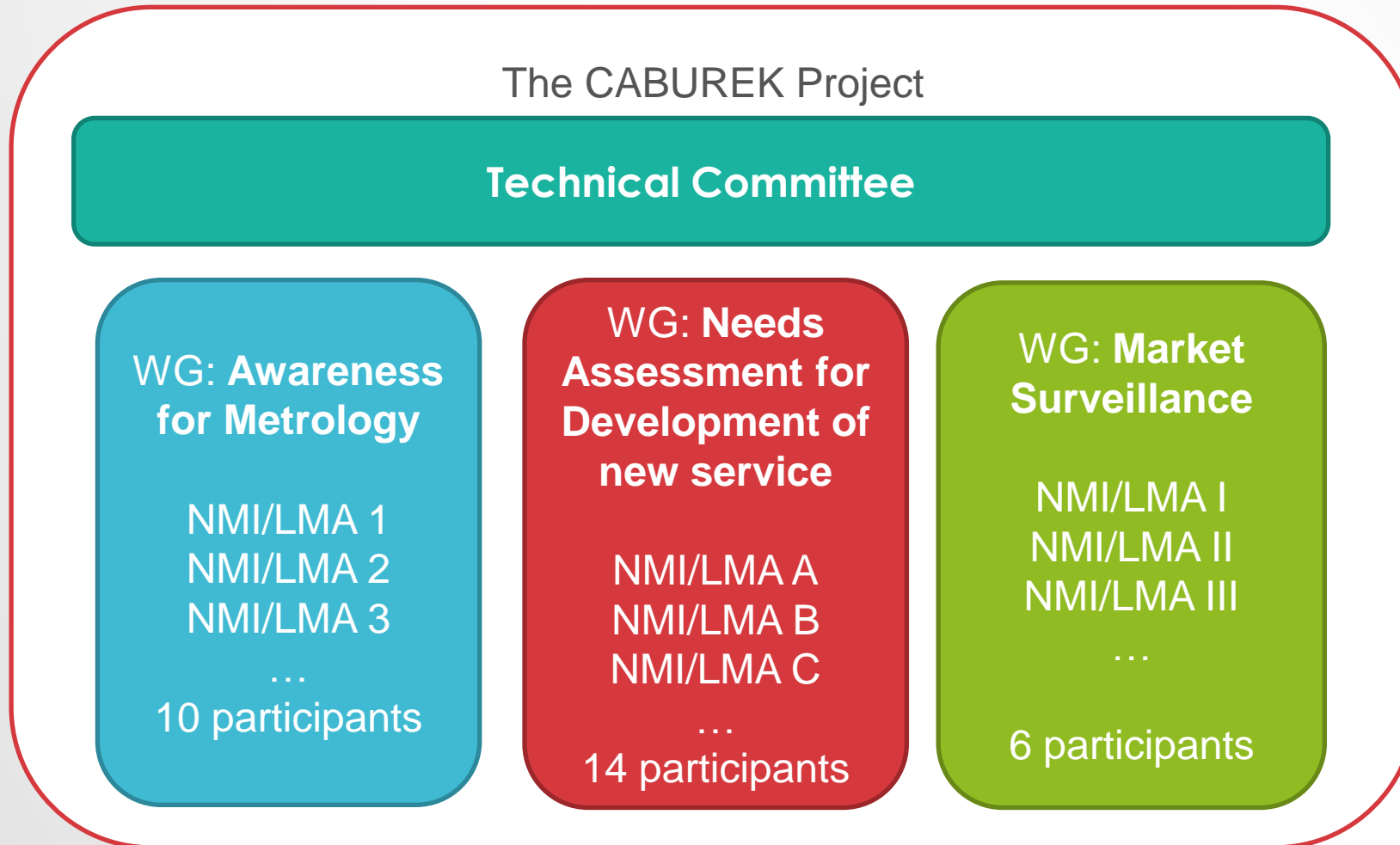


# CABUREK

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



# 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



# 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?

