

# **PTB Technical Cooperation in Asia: Update and Highlights 2016**

**Report to the 23<sup>rd</sup> APLMF Meeting, 23 – 25 November 2016, Tokyo**

# Structure

- (1) PTB Technical Cooperation at a glance
- (2) Selected highlights and achievements in 2016
- (3) Outlook on 2017

## PTB Technical Cooperation: Our mission

To support developing and transition economies in establishing a reliable **quality infrastructure**...



... on behalf of the German Ministry for  
Economic Cooperation and Development



Federal Ministry  
for Economic Cooperation  
and Development

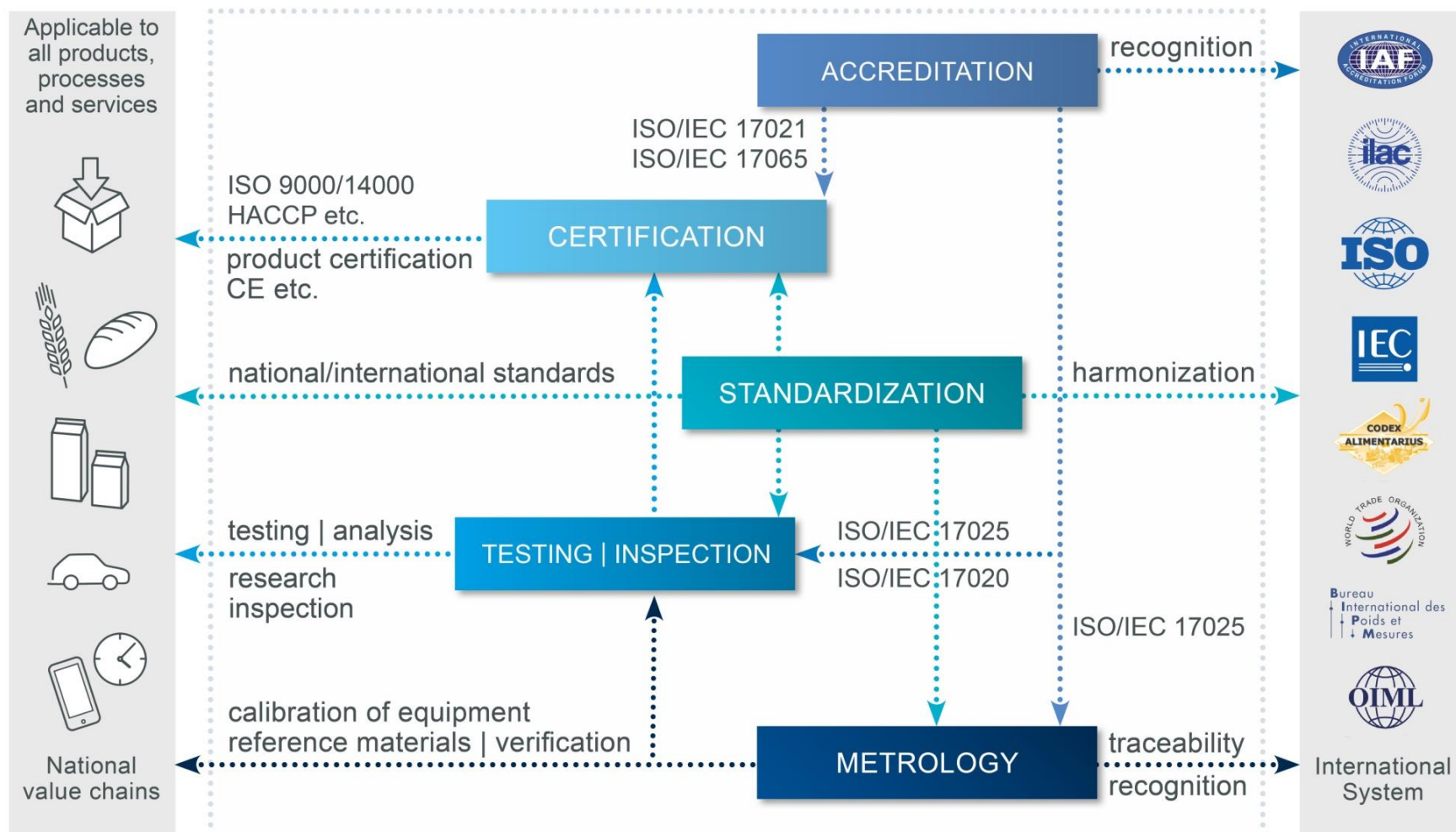
... with the ultimate objective to promote **trade, regional  
integration and sustainable development**

## A functioning Quality Infrastructure: Key issues

- ✓ QI-elements are **inter-linked and coordinated**
- ✓ the QI-system is integrated into the **international system**
- ✓ **user demand** is identified and articulated



# Quality Infrastructure from a Network perspective





# Project portfolio Asia

## Regional

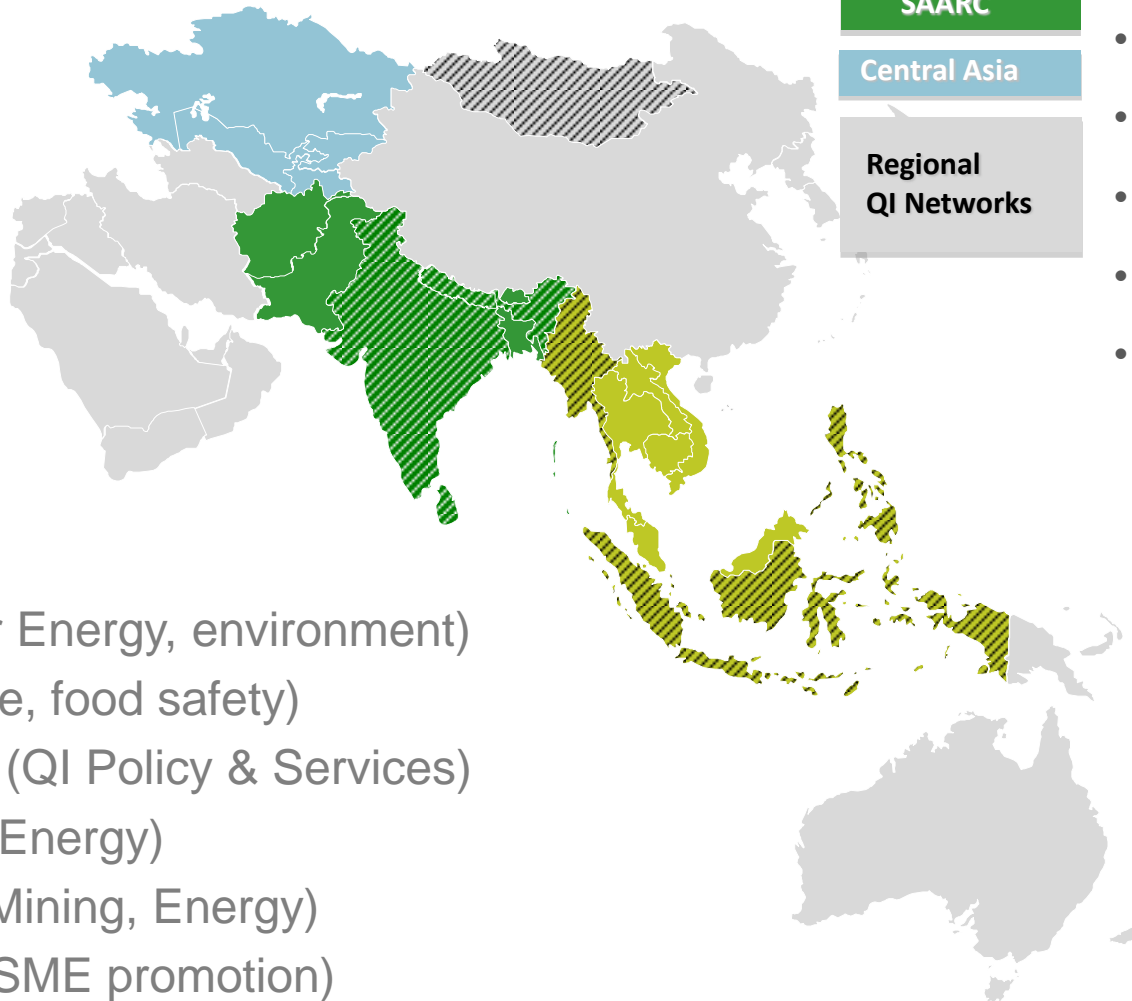
ASEAN

SAARC

Central Asia

Regional  
QI Networks

- Knowledge Transfer
- Networking
- Harmonization
- Partnering
- Shared Services
- Training Programmes



## Bilateral

- India (Solar Energy, environment)
- Nepal (trade, food safety)
- Philippines (QI Policy & Services)
- Indonesia (Energy)
- Mongolia (Mining, Energy)
- Myanmar (SME promotion)
- Sri Lanka (SME promotion)

# Support to SAARC in strengthening regional cooperation and integration in the field of quality infrastructure

## Goal

To reduce Technical Barriers to Trade by increased regional collaboration in QI

## Metrology Highlights in 2016

- Workshop on Best Practice in Metrology Law Development
- Trainings in scientific metrology, in cooperation with NPL India
- 5<sup>th</sup> Metrology Coordination Meeting, Bhutan



## Implementation Phase:

2013 – 2017

## PTB Project Coordinators:

Daniel Böhme and Christian Stärz

# Promotion of quality infrastructure with emphasis on the energy sector in Mongolia

## Goal

Enlarge capabilities and services of the metrology and standardisation system for the energy sector

## Plans for 2017

- Support to the development of a metrology strategy
- Develop a strategy for electrotechnical standardization
- Support development of technical regulations for electricity meters



## Implementation Phase:

2016 - 2019

## PTB Project Coordinator:

Petra Hagemann



# Improving Quality Infrastructure in ASEAN

## Goal

Support to ASEAN in harmonisation and capacity development for QI

## Highlights in 2016

- Support to ASEAN Standards & Conformance Strategic Plan 2016 - 2025
- Type Approval Guidelines initiated (to be completed by end of 2017)
- First national Assessor Training by Cambodia's DoA with Co-Trainers from Thailand



## Implementation Phase:

2015 – 2018

## Project Coordinator PTB:

Andrea Ulbrich / Stefanie Reichertz

# 49<sup>th</sup> Annual Meeting of the Asian Development Bank

## PTB Host Country Seminar on QI

Title: Promoting renewable energies in Asia:  
The quality challenge

Format: High-level Panel discussion

Date: 02 May 2016, Frankfurt / Germany



## ... and subsequent study visit in Germany

Participants: Project partners from India and  
Indonesia

Program: Seminar & lab visits at PTB, visit of  
Photovoltaic Institute Berlin



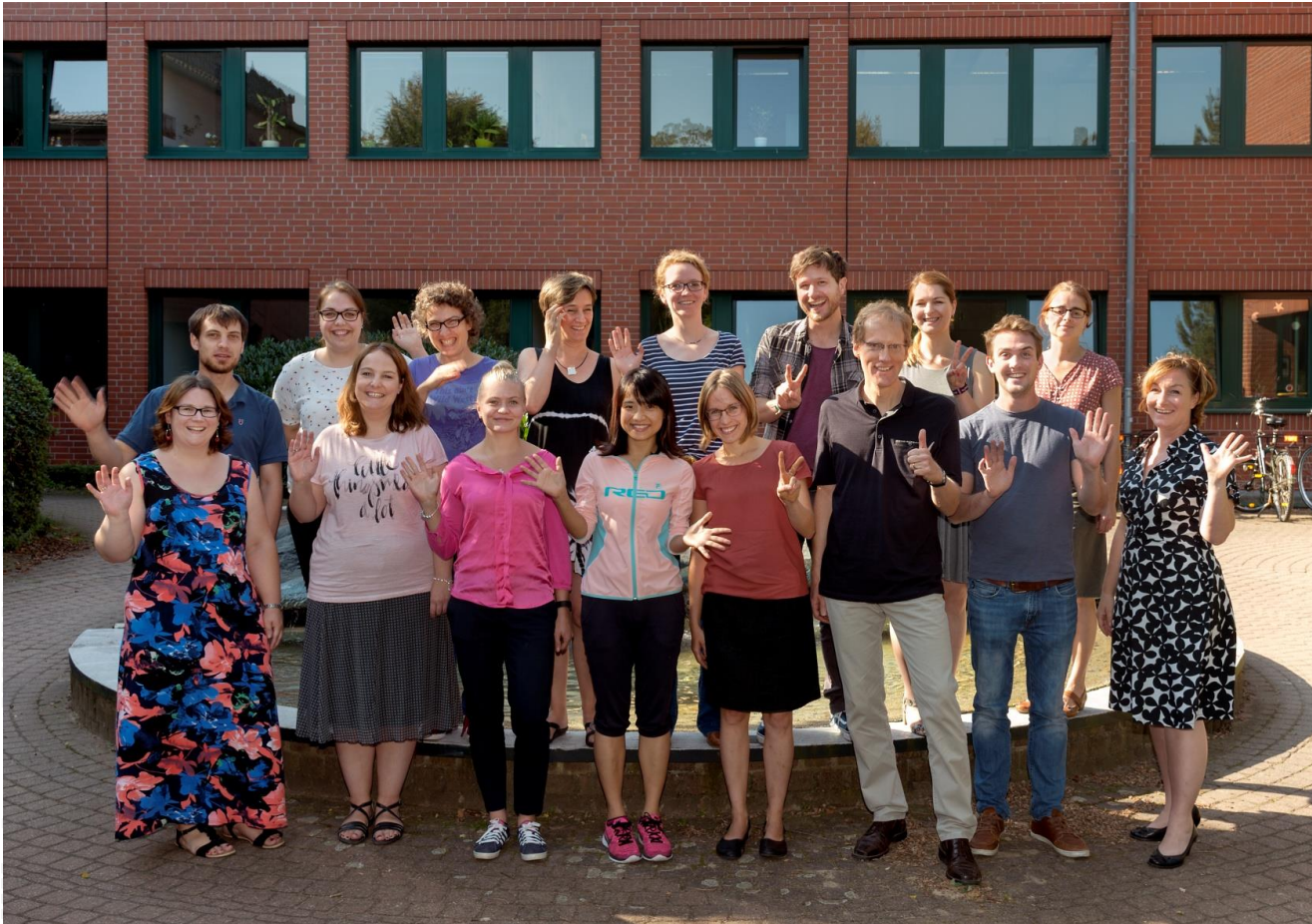
# Outlook 2017

## New projects

- Preparation of new bilateral cooperation with Cambodia
- Preparation of 2nd phase of regional cooperation with APLAC/PAC

## MEDEA

- Joint APMP/APLMF Workshop on National Metrology Infrastructure, possibly combined with APMP Mid-Year meeting 2017
- Evaluation of current MEDEA project & Validation Workshop



Thank You  
For Your Attention!

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