International Cooperation at PTB

Report to the 26th APLMF Meeting, 7th November 2019, Ha Long City, Vietnam

by Corinna Weigelt
Quality Infrastructure Toolkit

PTB International Cooperation with Asia

Cambodia
2018–2020
- Strengthening quality infrastructure in Cambodia
  - Rehani, Bibinger, Lechner, Saner

India
2018–2021
- Strengthening quality infrastructure for Water Monitoring of the Ganges River
  - Döller, Weber, Tiefen, Dickmann, Swati

India
2019–2022
- Strengthening quality infrastructure for the solar industry
  - Ammel, Weber, Ferdinand, Kumar

Indonesia
2017–2020
- Quality assurance in environmental and food analysis in Indonesia II
  - Ammel, Schwiekel, Döcker, Saner

Indonesia
2016–2020
- Strengthening quality infrastructure for the energy sector
  - Döller, Schwiekel, Tiefen, Imelda

Mongolia
2018–2021
- Promotion of quality infrastructure with emphasis on the mining sector
  - Mayer, Schleidt, Purvesaur

Mongolia
2019–2022
- Promotion of quality infrastructure with emphasis on the energy sector
  - Mayer, Schleidt, Purvesaur

Myanmar
2015–2020
- Strengthening quality infrastructure in Myanmar
  - Weyrauch, Bibinger, Schoen, Sein

Nepal
2018–2021
- Support to Nepal in the field of quality infrastructure
  - Ulbrich, Schwiekel, Lechner, Thapa

Sri Lanka
2019–2021
- Strengthening quality infrastructure in Sri Lanka II
  - Stauber, Bohn, Lechner, Spelt, Nagyeczi

ASEAN
2019–2021
- Improving quality Infrastructure in ASEAN
  - Weyrauch, Reichertz, Bohn, Kasim, Talbot, Mason, Ruzki

Asia
2018–2021
- Promoting regional cooperation in metrology in the Asia-Pacific
  - Weispelt, Watzl, Aladin

Asia
2018–2021
- Strengthening Accreditation Networks in the Asia-Pacific
  - Behari, Bosse, Schleidt, Talbot

SAARC
2018–2021
- Support to SAARC in strengthening regional integration and cooperation in the field of quality infrastructure
  - Miesner, Ulbrich, Bosse, Ischi

Central Asia
2019–2022
- Strengthening of quality infrastructures in the countries of Central Asia
  - Ditthardt, Lorenz, Saner, Krashevskaya

Kyrgyzstan
2019–2022
- Increasing the Use of Quality-Related Services
  - Ditthardt, Lorenz, Saner, Koslova

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Strengthening Quality Infrastructure in ASEAN

**Goal**

The objective of the project is to enable members states to gear trade-relevant procedures of Quality Infrastructure to regional guidelines and international good practices, with special emphasis on the CLM countries and food safety.

**Support to ASEAN Working Groups:**

- Accreditation
- Standardisation
- Legal Metrology
- Food Safety

**Main Implementation Partners:** ASEAN Consultative Committee on Standards and Quality (ACCSQ)

**Implementation Phase:** 2019 – 2021

**Project Coordinators PTB:** Svenja Weyrauch
Stefanie Reichertz
Strengthening Quality Infrastructure in ASEAN

Metrology

Highlights in 2019
- Publication of *ASEAN Type Approval Control Guidelines*, March 2019
- Development of *ASEAN Guidelines for the Verification of Fuel Dispensers* (yet to be finalized)

Planned activities 2020
- Training Course on use of the *ASEAN Guidelines on Type Approval Control Systems*, February 2020, Philippines
- Awareness Event “Metrology beyond Technology – Pathways to impact”, Indonesia
- Study of Adoption and Implementation of ASEAN Common Requirements of Pre-packaged Products
- Development of *ASEAN Guidelines for the Verification of Flow meters*
Strengthening regional integration and cooperation in the field of quality infrastructure in South Asia (SAARC)

**Goal**

To improve access to trade- and demand-oriented quality infrastructure services through regional cooperation and division of tasks

**Highlights in 2019 and planned activities 2020 in metrology**

- Regional Workshop on Best Practice in Metrology Law Development, June 2019, Bhutan
- Preparatory Workshop on SAARC Interlaboratory Comparisons, November 2019, India
- Scientific Interaction Program for emerging NMIs in cooperation with NPL India (cont.)

**Main Implementation Partners:** South Asian Regional Standards Organisation (SARSO), National Metrology Institutes & National Accreditation Bodies in SAARC

**Implementation Phase:** 2018 – 2021

**Project Coordinator PTB:** Andrea Ulbrich / Uwe Miesner
Strengthening Accreditation Networks in Asia-Pacific (SANAP II)

Goal

APAC is strengthened to support its members from developing countries in their sustainable economic development.

Highlights in 2019 and planned activities 2020

• **2019**: Individualized support for the accreditation bodies according to the diverging needs
• **2019**: Training of trainers for AB staff
• **2020**: Policy-area based trainings, e.g. on Carbon Offset Schemes Accreditation

Main Implementation Partners: APAC
Implementation Phase: 2018 – 2021
Project Coordinator PTB: Ms. Nitja Rehani
Strengthening Quality Infrastructure in Myanmar

Goal
The local availability of QI services which are geared to international guidelines has improved and is oriented towards the demand of the local economy.

Highlights in 2019 and planned activities 2020

• Development of Actions Plans for six pillars of the Strategic Plan for Metrology
• Celebration of World Metrology Day 2019
• Accreditation of mass, pressure, volume and temperature (planned 2020)

Main Implementation Partners: Department of Research and Innovation (DRI)
Implementation Phase: 2015 – 2020
Project Coordinator PTB: Svenja Weyrauch
Promotion of Quality Infrastructure with emphasis on the Energy Sector III - Mongolia

**Goal**

Quality Infrastructure services that are needed to increase energy efficiency have been improved.

**Highlights in 2019 and planned activities 2020**

- Project proposal was approved by the German Ministry for Economic Cooperation and Development.
- Project Planning Workshop in November 2019 to develop milestones and activities.
- Technical regulation on electricity meters.

**Main Implementation Partners:** Mongolian Ministry of Energy, MASM

**Implementation Phase:** 2019 – 2022

**Project Coordinator PTB:** Marjam Mayer
Strengthening of the quality infrastructure with particular regard to the mining sector - Mongolia

**Goal**

As a result of the implementation of technical regulations and the utilization of quality assurance services, the protection of the employees in the mining sector has been improved.

**Highlights in 2019**

- Initial Assessment dust standard implementation in two Pilot Mining Companies (PMC)
- Training of inspectors to collect dust samples

**Planned activities 2020**

- Midterm Assessment dust standard implementation in the two PMC
- Awareness building measures (E-learning module, video clips)
- Support MASM temperature laboratory seeking accreditation

**Main Implementation Partners:** Mongolian Ministry of Labour and Social Protection, MASM, Generalized Agency for Specialized Inspection, Occupational Health and Safety-Center

**Implementation Phase:** 2018 – 2021

**Project Coordinator PTB:** Marjam Mayer
Bilateral Projects in Asia

**Myanmar:** Strengthening QI in Myanmar, 2015-2020, 2.8 Mio EUR

**India:** Strengthening quality infrastructure for the solar industry, 2019-2022, 2 Mio EUR

**Cambodia:** Strengthening QI, 2018-2020, 0.8 Mio EUR

**Mongolia:** Promotion of QI with emphasis on the mining sector, 2018-2021, 0.6 Mio EUR
Promotion of QI with emphasis on the energy sector, 2019-2022, 1.0 EUR

**Nepal:** Support to Nepal in the field of QI, 2018-2021, 2 Mio EUR

**Indonesia:** Strengthening QI for the Energy Sector, 2016-2020, 1.5 Mio EUR
Quality assurance in environmental and food analysis, 2017-2020, 0.6 Mio EUR

**Sri Lanka:** Strengthening QI in Sri Lanka, 2019-2021, 1 Mio EUR
Thank you very much for your attention!