

# Update on PTBs International Cooperation

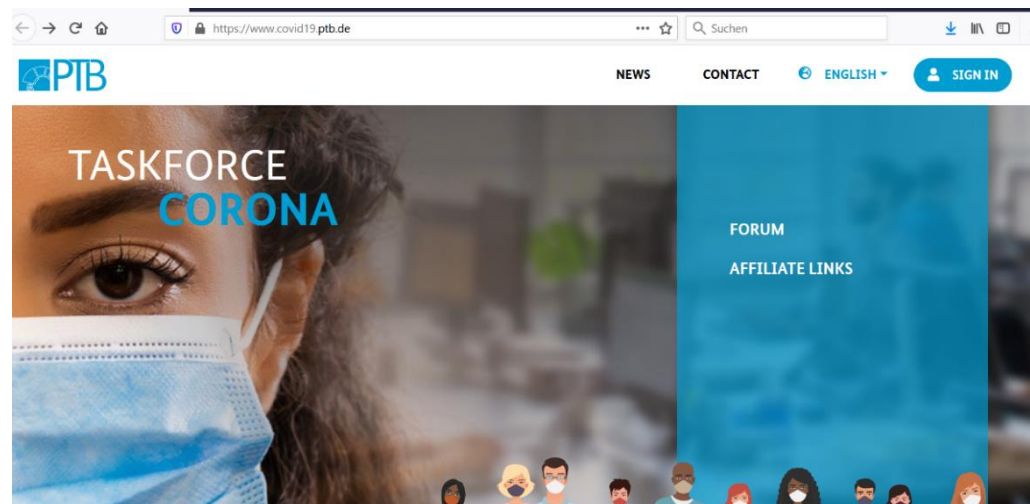
Report to the 27<sup>th</sup> APLMF Online Meetings, 3<sup>rd</sup> – 4<sup>th</sup> December 2020

by Corinna Weigelt & Uwe Miesner















## PTBs Technical Cooperation in times of COVID-19

- Substantial disruptions in project implementation world-wide
- Staff of PTB's group "International Cooperation" mostly operating from home-office
- Efforts to provide COVID-related support to partner countries, e.g. in terms of testing equipment, standards or test & calibration procedures
- Gradual adjustment of capacity building delivery to virtual formats, including online project evaluations and appraisal missions
- Creation of "Corona Taskforce"; compilation of information and good practices

<https://www.covid19.ptb.de/>



## PTB International Cooperation with Asia

	<b>Cambodia</b> 2018–2020	Strengthening quality infrastructure in Cambodia   Roos, Bibinger, Lechner, Sanetra
	<b>India</b> 2018–2021	Strengthening quality infrastructure for Water Monitoring of the Ganges River   Dolle, Weber, Telfser, Diekmann, Swati
	<b>India</b> 2019–2022	Strengthening quality infrastructure for the solar industry   Ammel, Weber, Ferdinand, Kumar
	<b>Indonesia</b> 2017–2020	Quality assurance in environmental and food analysis in Indonesia II   Ammel, Schwiedel, Diekmann, Sanetra
	<b>Indonesia</b> 2016–2020	Strengthening quality infrastructure for the energy sector   Dolle, Schwiedel, Telfser, Imelda
	<b>Mongolia</b> 2018–2021	Promotion of quality infrastructure with emphasis on the mining sector   Mayer, Schierding, Purevsuren
	<b>Mongolia</b> 2019–2022	Promotion of quality infrastructure with emphasis on the energy sector   Mayer, Schierding, Purevsuren
	<b>Myanmar</b> 2015–2020	Strengthening quality infrastructure in Myanmar   Weyrauch, Bibinger, Schoen, Saw
	<b>Nepal</b> 2018–2021	Support to Nepal in the field of quality infrastructure   Ulbrich, Schwiedel, Lechner, Thapa
	<b>Sri Lanka</b> 2019–2021	Strengthening quality infrastructure in Sri Lanka II   Stauber, Bohn, Lechner, Speit, Nugagoda
	<b>ASEAN</b> 2019–2021	Improving quality infrastructure in ASEAN   Weyrauch, Reichertz, Bohn, Kasim, Talbot, Mason, Rizki
	<b>Asia</b> 2018–2021	Promoting regional cooperation in metrology in the Asia-Pacific   Weigelt, Höpfner, Abidin
	<b>Asia</b> 2018–2021	Strengthening Accreditation Networks in the Asia-Pacific   Roos, Bosse, Talbot
	<b>SAARC</b> 2018–2021	Support to SAARC in strengthening regional integration and cooperation in the field of quality infrastructure   Miesner, Ulbrich, Bosse



# Strengthening Quality Infrastructure in ASEAN

## Goal

The objective is to enable ASEAN Member States to gear trade-relevant QI procedures to regional guidelines and international good practices.

## Highlights and planned activities:

- *ASEAN Guidelines for the Verification of Fuel Dispensers*
- Awareness Raising Guidelines for Legal Metrology (planned)
- Training on Type Approval Control Systems (planned)
- Training on the verification of flowmeters (planned)



*PTB-WG3 Workshop on Joint Activities in Legal Metrology, Brunei, September 2019*

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

**Implementation Phase:** 2019 – 2021

**PTB Project Coordinators:**

Verena Stauber & Stefanie Reichertz

# Strengthening Quality Infrastructure for Water Monitoring of the Ganges River (India)

## Goal

The aim of the project is to improve the quality of data used to monitor the Ganges River through improved sampling and analysis of the water samples based on recognized quality-assurance.

## Highlights in 2020 and planned activities 2021:

- Several laboratory assessments
- Formulation of policy recommendations for NMCG
- Webinars on Metrology in Chemistry and setting up of an e-learning course



*Laboratory assessment in Varanasi, Uttar Pradesh, to identify needs in equipment and capacity building.*

**Main Implementation Partner:** NMCG (National Mission for Clean Ganga)

**Implementation Phase:** 2018 – 2021

**Project Coordinator PTB:** Patrick Dolle

# Quality Assurance in Environmental and Food Analysis II (Indonesia)

## Goal

The accessibility and use of internationally recognized Metrology in Chemistry (MiC) services in the environmental and food sectors have increased.

## Highlights and planned activities

- Consultancy on Strategy Development: Metrology Strategy and Quality Infrastructure Roadmap
- Workshop on ISO Guide 17030s Series/ Reference Materials (planned)
- Creative Approaches to Stakeholder Dialogue under Covid-19 conditions (planned)



*Metrology in Chemistry Stakeholder Workshop with approx. 80 participants – back then still possible.. Serpong, 07/ 19*

**Main Implementation Partner:** National Measurement Standards - National Standardization Agency of Indonesia (SNSU-BSN)

**Implementation Phase:** 2017 - 2021

**Project Coordinator PTB:** Elena Ammel

# 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 2020 and planned activities 2021

- Development of Actions Plans for six pillars of the Strategic Plan for Metrology
- Celebration of World Quality Infrastructure Day (planned 2021)
- Accreditation of mass, pressure, volume and temperature (planned 2021)



*World Metrology Day 2019*

**Main Implementation Partners:** Department of Research and Innovation (DRI)

**Implementation Phase:** 2015 – 2021

**Project Coordinator PTB:** Marjam Mayer / Corinna Weigelt



# 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 2020

- Online seminars on the ISO 50001-series
- Support of strategy processes, such as the Metrology Policy or of the National Electrotechnical Committee

## Planned activities 2021

- Development of a QI handbook
- Support of future designated Institute National Power Transmission Grid Company
- Purchase of equipment



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

**Implementation Phase:** 2019 – 2023

**Project Coordinator PTB:** Marjam Mayer



# Strengthening Quality Infrastructure for the Energy Sector (Indonesia)

## Goal:

Quality assurance services in the energy sector, especially for photovoltaics (PV) have been improved for the field of photovoltaics in accordance with international good practices.

## Highlights in 2020:

- Development of two PV evaluation guidelines
- PV site assessments to identify quality issues
- Successful evaluation of the project and planning of the follow-up project



*Joint PV site assessment of EBTKE, B2TKE and the Indonesian Metrology Institute*

**Main Implementation Partners:** EBTKE (Directorate for New Renewable Energy and Energy Conservation), BAPPENAS, BSN, BPPT

**Implementation Phase:** 2016 – 2020

**Project Coordinator PTB:** Patrick Dolle

# Strengthening Quality Infrastructure in Sri Lanka

## Goal

SMEs in the northern region will make increased use of the offer of quality assurance services which are based on international good practices.

## Highlights and planned activities:

- First accreditation of MUSSD pressure laboratory
- First accreditation of PT provider in Sri Lanka
- Accreditation of two water testing laboratories
- Development of Manual on Safe Food Handling (planned)
- Several laboratory assessments (planned)



*Trained Quality Management Counsellors at the Certification Ceremony for SMEs in Jaffna, Sri Lanka, 2019*

**Main Implementation Partner:** Measurement Units, Standards and Services Department (MUSSD)

**Implementation Phase:** 2019 – 2021

**PTB Project Coordinator:** Verena Stauber

# Strengthening Quality Infrastructure for the Solar Industry (India)

## Goal

Quality infrastructure services required to ensure the safety, sustainability and reliability of photovoltaic components and systems are improved according to the demands of the solar sector.

## Highlights and planned activities:

- Training Programmes in the fields of PV Module Calibration and PV Secondary Cell Calibration
- Consultancy in the field of Pyranometer Calibration
- Training Programme for PV Laboratories aiming to become PT Providers (planned)
- Foundation and follow-up Meetings of a PV Laboratory Network



*Kick-off Meeting PV-Laboratory Network – nearly all Indian PV Calibration and Testing Laboratories joined. Bangalore, 11/ 19*

**Main Implementation Partner:** National Institute of Solar Energy (NISE)

**Implementation Phase:** 2019 – 2022

**PTB Project Coordinator:** Elena Ammel



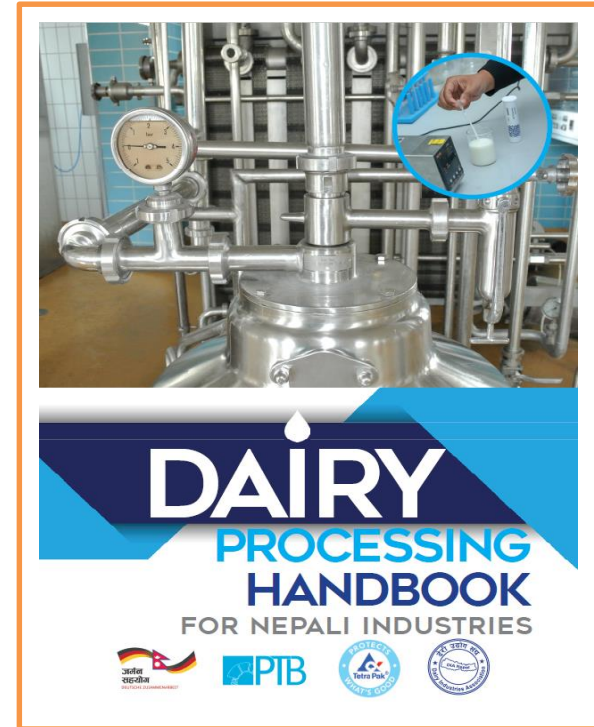
# Support to Nepal in the field of quality infrastructure

## Goal

Nepali economic actors use services of quality assurance in the regional and technical focal areas of bilateral development cooperation.

## Highlights and planned activities

- Dairy Processing Handbook published
- Support toward certification for dairy industry
- Online-Reflection Group Meeting with project partners
- Online-Workshop on Cleaning Validation for pharmaceutical industry (*planned*)
- PT for pressure with Sri Lanka (*planned*)



*Title Page of Dairy Processing Handbook for Nepali dairy industry*

## Main Implementation Partner:

Nepal Bureau of Standards and Metrology (NBSM)

**Implementation Phase:** 2018 - 2021

**Project Coordinator PTB:** Andrea Ulbrich  
(until 29/10/2020)

# Thank you very much for your attention!



“Asia Meeting” at PTB, September 2019