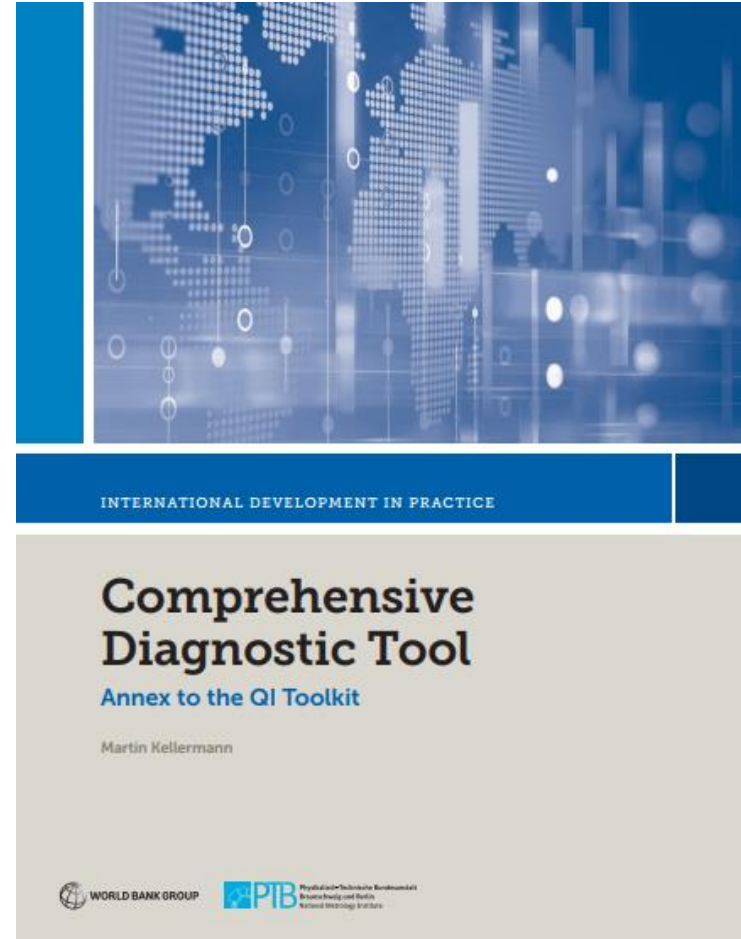
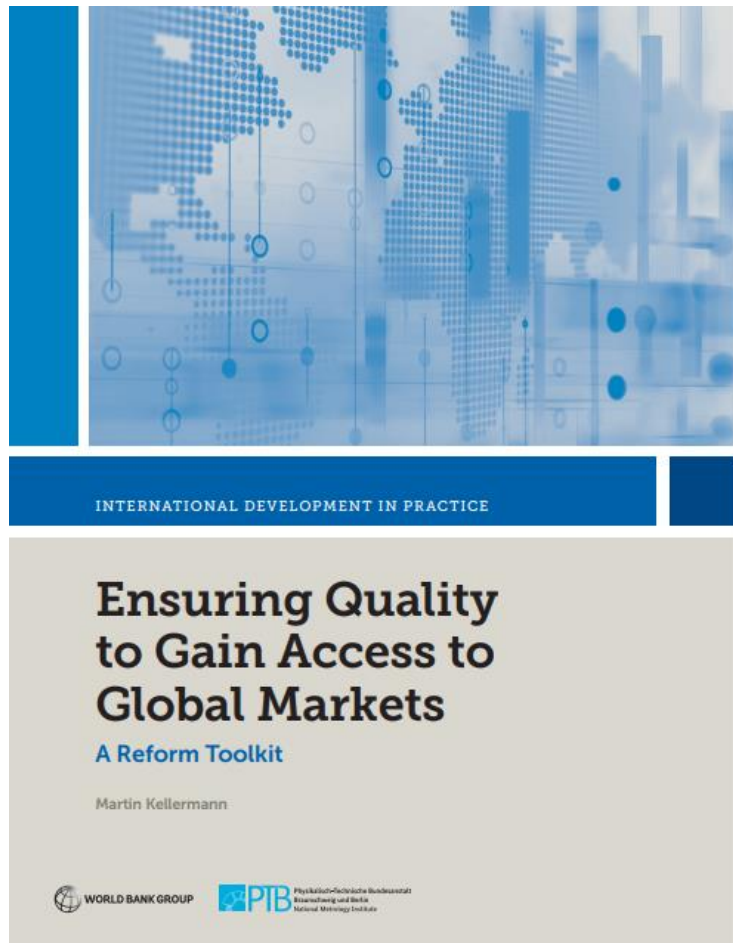


International Cooperation at PTB

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

















by Corinna Weigelt

Quality Infrastructure Toolkit



<https://www.worldbank.org/en/topic/competitiveness/brief/qi>

PTB International Cooperation with Asia

	Cambodia 2018–2020	Strengthening quality infrastructure in Cambodia Rehani, Bibinger, Lechner, Sanetra
	India 2018–2021	Strengthening quality infrastructure for Water Monitoring of the Ganges River Dolle, Weber, Telfser, Diekmann, 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, Schwiedel, Diekmann, Sanetra
	Indonesia 2016–2020	Strengthening quality infrastructure for the energy sector Dolle, Schwiedel, Telfser, Imelda
	Mongolia 2018–2021	Promotion of quality infrastructure with emphasis on the mining sector Mayer, Schierding, Purevsuren
	Mongolia 2019–2022	Promotion of quality infrastructure with emphasis on the energy sector Mayer, Schierding, Purevsuren
	Myanmar 2015–2020	Strengthening quality infrastructure in Myanmar Weyrauch, Bibinger, Schoen, Saw
	Nepal 2018–2021	Support to Nepal in the field of quality infrastructure Ulbrich, Schwiedel, Lechner, Thapa
	Sri Lanka 2019–2021	Strengthening quality infrastructure in Sri Lanka II Stauber, Bohn, Lechner, Speit, Nugugoda
	ASEAN 2019–2021	Improving quality infrastructure in ASEAN Weyrauch, Reichertz, Bohn, Kasim, Talbot, Mason, Rizki
	Asia 2018–2021	Promoting regional cooperation in metrology in the Asia-Pacific Weigelt, Watzl, Abidin
	Asia 2018–2021	Strengthening Accreditation Networks in the Asia-Pacific Rehani, Bosse, Schierding, 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, Sanetra, Grushevskaya
	Kyrgyzstan 2019–2022	Increasing the Use of Quality-Related Services Ditthardt, Lorenz, Sanetra, Kozlova

Uwe Miesner
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Strengthening Quality Infrastructure in ASEAN

Goal

The objective of the project is to enable member 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



Planning Workshop with ACCSQ-Working Group on Legal Metrology

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.)



SAARC-PTB Workshop on Metrology Law Development, Thimphu

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



Project Steering Committee

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)



World Metrology Day 2019

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

Implementation Phase: 2015 – 2020

Project Coordinator PTB: Svenja Weyrauch

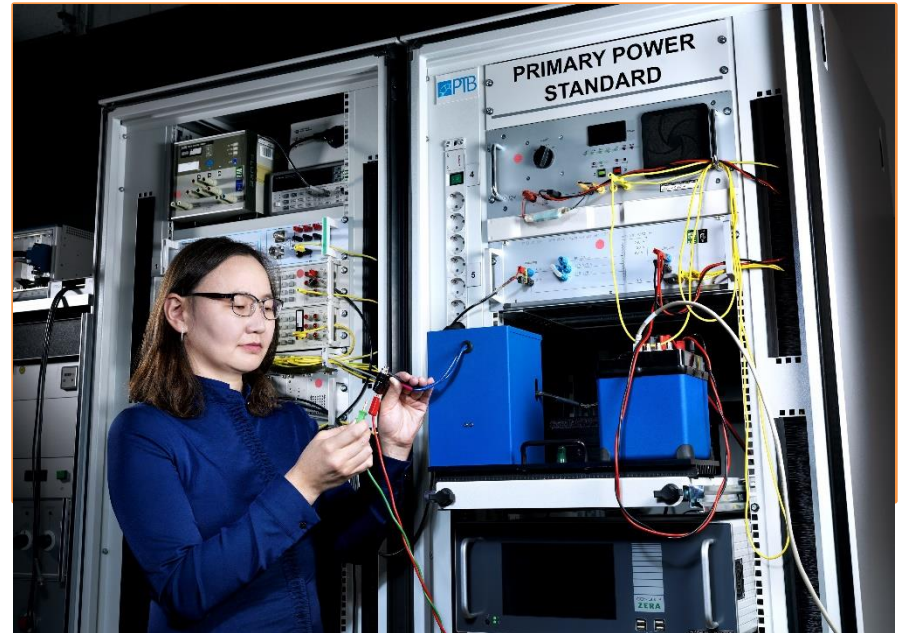
Promotion of Quality Infrastructure with emphasis on the Energy Sector III - Mongolia

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



Truck driver exposed to dust

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

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

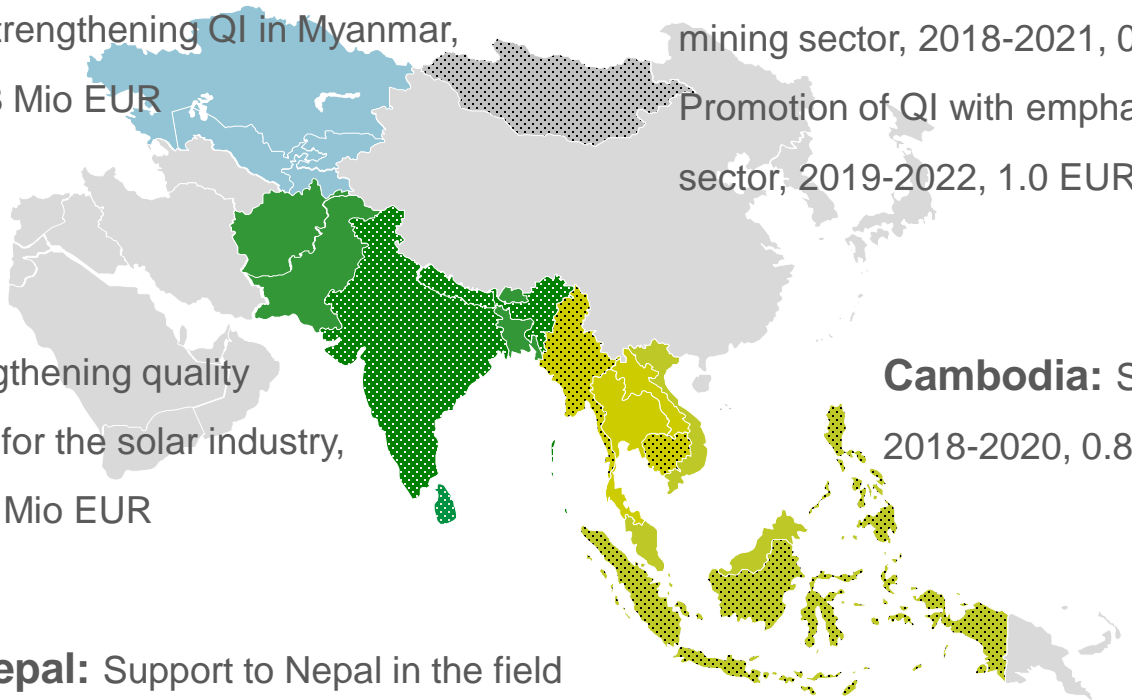
India: Strengthening quality
infrastructure for the solar industry,
2019-2022, 2 Mio EUR

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

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

Sri Lanka: Strengthening QI in
Sri Lanka, 2019-2021, 1 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



Thank you very much for your attention!