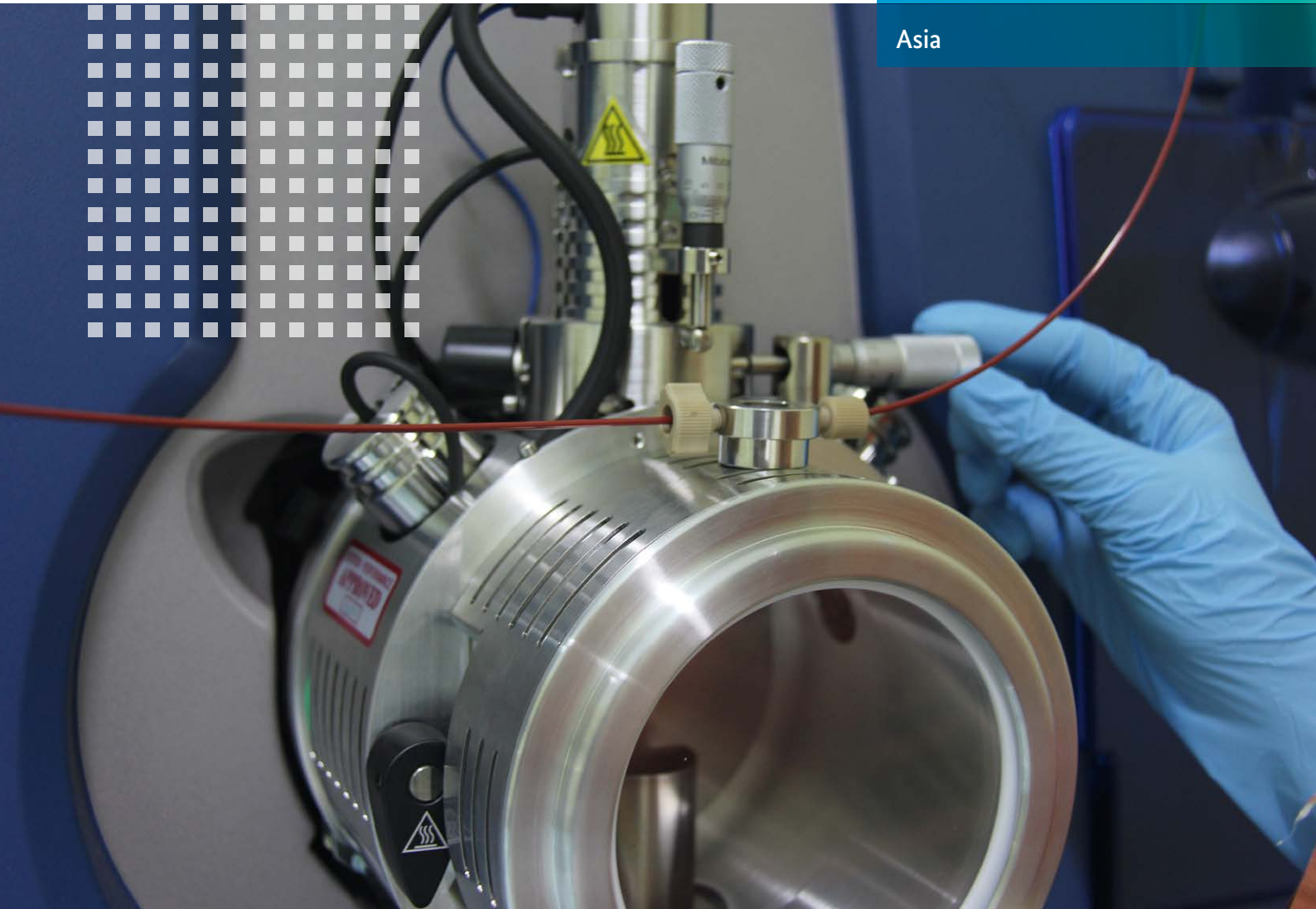


Asia



Indonesia

Quality Assurance in Environmental and Food Analysis II

Objective The project aims at increasing the accessibility and use of internationally recognised metrology in chemistry (MiC) services in the environmental and food sector.

Approach The project aims at strengthening MiC related services in Indonesia by a multi-level approach with main emphasis on the meso level. The project provides technical capacity building measures as well as support on strategic, conceptual and organisational tasks for Indonesian partner institutes. It shall strengthen the demand-orientation of MiC related services for the environmental and food sector and raise awareness on the importance of MiC.

The project covers three fields of intervention: It supports the Research Center for Metrology, Indonesian Institute of Sciences (RCM-LIPI) in integrating the new MiC group in its organisational structure. This includes the alignment of the quality management system being essential for the recognition of RCM-LIPI's measurement capabilities by means of accreditation and peer review by the international metrology system. Special attention is given to cross-departmental tasks related to customer relationship, corporate identity and team building.

The project also supports the consolidation and expansion of the technical competence of RCM-LIPI and other institutes in all the fundamental fields of MiC: inorganic and organic chemistry, electrochemistry, and gas metrology. Issues being addressed are for example vehicle exhaust gases, nutrients and contaminants such as heavy metals and mycotoxins in food and pesticide residues in water and electrolytic conductivity. RCM-LIPI is supported in the expansion of its laboratory related services by strengthening the customer focus of training measures, consultancies and proficiency testing programs.

Impact The scope of the project covers both the environmental and food sector. The project contributes to the protection of the environment by establishing and strengthening staff competence and institutional capacities in air and water analysis. The aim is to improve the reliability of environmental data obtained by laboratory analysis and environmental monitoring systems. In the long term, these capacities will contribute to Indonesia's efforts to meet its climate targets and adapt to climate change.

The project further increases the efficiency and reliability of food analysis and thereby contributes to improving the competitiveness of Indonesian industry. Internationally recognised measurement and testing services play an important role in optimising handling and manufacturing processes. Further, they are a prerequisite for providing evidence that agricultural and food products from Indonesia meet national regulations and international quality requirements and standards. In the long term, this will help Indonesian companies to overcome their low productivity and their integration into the global market.

Environmental and food safety issues are being identified and addressed by strengthening the stakeholder engagement and the customer focus of the services provided by RCM-LIPI and its partner institutions.

Cooperation Close cooperation with Indonesian institutions of the national quality infrastructure and of the environmental and food sector is an integral part of the project. It contributes to the focus Inclusive Growth of the German development cooperation by giving companies and laboratories access to reliable testing and MiC services.

Financing Federal Ministry for Economic Cooperation and Development (BMZ)

Term 2017–2020

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