



Jordan

## Quality Infrastructure for Efficient Water Management II

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| <b>Objective</b>  | The living conditions and climate resilience of the population and Jordan's stability are ensured by safe, non-discriminatory access to (drinking) water and proper water and waste water management. The institutions of the Jordanian water sector (WAJ and water utilities) make use of new quality infrastructure services.  |   |  |
| <b>Approach</b>   | The module builds on the results and experience gained within the previous module <i>Quality Infrastructure for efficient water management</i> . The strategic approach is based on two pillars. On the one hand, the module is further strengthening the capacities of the quality infrastructure institutions, the Royal Scientific Society - Jordan National Metrology Institute (RSS-JNMI) and the Jordan Standards and Metrology Organization (JSMO), through technical advice, training, organisational development and networking, as well as the procurement of equipment needed for additional water meter testing, verification and calibration of water meters. On the other side, the capacities of the water sector institutions (Water Authority of Jordan and the three water utilities Aqaba, Miyahuna and Yarmouk) will be strengthened by implementing joint cross-sectoral practical training courses and providing technical on-site advice. The trainings as well as the technical advice cover topics such as international comparability, relevant norms and standards, quantification/analysis of measurement uncertainty, calibration, principles of flow measurement, selection of water meters, mobile flow measurement and accreditation support.  |   |  |
| <b>Impact</b>   | The module contributes to SDG 6 <i>Clean water and sanitation</i> . Efficient and climate-resilient water management is a crucial prerequisite for long-term supply security of drinking water in Jordan. The use of demand-oriented quality infrastructure services provided by RSS-JNMI and JSMO to WAJ and the water utilities enables them to measure water consumption more accurately. This creates the necessary conditions for reducing water losses and managing water in a more efficient, resource-conserving and climate-resilient manner. Jordanian households connected to the central drinking water supply benefit from a more accurate recording of their water consumption with correct billing, allowing to take full advantage of the progressive water tariffs in Jordan. At the impact level, this can lead to greater security of water supply in the long term. The design of the module takes into account the three dimensions of sustainability. By applying quality infrastructure services water utilities can reduce their costs (economic sustainability) and contribute to supplying water to vulnerable population groups and securing employment (social sustainability). Moreover, customised quality infrastructure services in the water sector contributes to the improvement of environmental, climate and resource protection (ecological sustainability). |   |  |
| <b>Cooperation</b>  | The module coordinates and cooperates closely with other German projects and with international partners in the sector. It will be implemented in close cooperation with the three national water utilities Yarmouk, Miyahuna and Aqaba Water Company.   |   |  |
| <b>Financing</b>  | Federal Ministry for Economic Cooperation and Development, Federal Republic of Germany (BMZ)   |   |  |
| <b>Term</b>   | 2024–2027  |   |  |
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Jordan Standards & Metrology Organization



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WATER AUTHORITY