



UNITED NATIONS  
INDUSTRIAL DEVELOPMENT ORGANIZATION



## UNIDO - ITALY - IRAQ COOPERATION

# Institutional Support and Skills Development for a Dam Safety Programme to Enable Sustainable Management of Hydraulic Infrastructure in Iraq

### CONTEXT

Iraq's prosperity depends on the sustainable management of its operational dams. Mosul Dam is the largest dam in Iraq and provides approximately 40% of Iraq's water storage. Its sustainable management is fundamental to 1. Help meeting Iraq's rising energy demand, 2. Provide downstream irrigation to farmers in the Ninewa basin, 3. Mitigate flood risk, 4. Provide drinking water supply and 5. Minimize transmission of water borne diseases. Although the dam has been structurally rehabilitated, the staff of the Mosul Dam Safety Department would benefit from additional trained personnel and advanced capacity development for the existing staff. An investment on the staff at Mosul Dam could be leveraged to support MOWR's State Commission of Dams and Reservoirs (SCODAR) in Baghdad, and consequently strengthen the management of the national hydraulic infrastructure.

### STRATEGY

The project will support capacity development of SCODAR in the management of Iraq's hydraulic infrastructure in Mosul and in Baghdad. Through technology transfer and skills development programs, the Mosul Dam

### WORKING TOWARDS



Safety Department will be strengthened to function as a National Center of Expertise. It will effectively manage the Mosul Dam and support national dam safety efforts in Baghdad and at other dams. In Baghdad, a National Dam Safety Section will be established at the MOWR, and capacity development programs will strengthen its capacity to monitor and oversee dam safety management of operational dams. Additionally, the framework for a National Dam Safety Program will be designed.

### EXPECTED RESULTS

- Strengthened Mosul Dam Safety Department's capacities to manage Mosul Dam and function as National Center of Expertise.
- Trained 40 Mosul Dam staff to carry out operations, maintenance, monitoring and inspection of the dam.
- Equipped Mosul Dam with the needed technologies/equipment for dam safety management.
- Established National Dam Safety Section in Baghdad, and equipped it with relevant technologies/equipment.
- Trained 20 SCODAR staff, which will join the National Dam Safety Section to carry out oversight of operations, maintenance, monitoring and inspection of dams.
- Developed the framework for a National Dam Safety Program.

### ARAB REGION



### GEOGRAPHICAL COVERAGE

## IRAQ



## DURATION

2021-2023



## TOTAL BUDGET

€ 750,000



## PARTNERS

AICS (Italian Agency for Development Cooperation) – Government of Italy; Ministry of Water Resources (MOWR) of Iraq



## CONTACTS

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