

 Early Warning System

WB-P514927

Climate Resilience in Water Management Project (CRWMP)



Quick Facts

Countries	Poland
Specific Location	Odra, Vistula
Financial Institutions	World Bank (WB)
Status	Proposed
Bank Risk Rating	A
Voting Date	2027-02-10
Borrower	Ministry of Finance
Sectors	Infrastructure, Water and Sanitation
Investment Type(s)	Grant
Investment Amount (USD)	\$ 479.11 million
Grant Amount (USD)	\$ 479.11 million
Project Cost (USD)	\$ 1,529.45 million



Project Description

According to bank's website, the proposed project would be the fourth in a sequence of flood protection initiatives implemented in Poland's two major river basins, the Odra and the Vistula. The sequence began in 1997, following the catastrophic floods in the Odra Basin, when the Government of Poland requested World Bank support for recovery. The Flood Emergency Project (1997-2005) responded by rehabilitating affected areas of the Odra River Basin and establishing a flood forecasting and warning system. Building on this emergency operation, the Odra River Basin Flood Protection Project (P086768, 2007-2020) implemented major structural measures to protect the basin from future flooding, covering the reach from Raciborz through the city of Wroclaw. It also further strengthened flood forecasting and improved the integration between forecasting and flood management. The third project in the sequence, the recently closed Odra-Vistula Flood Management Project (P147460, 2015-2025), extended flood protection infrastructure to the Middle and Lower Odra River Basin and the Upper Vistula Basin. In addition, it enhanced operational flood forecasting and established Flood Operation Centers. For this fourth project in the sequence, Poland has requested financing to implement flood risk management measures in currently unprotected reaches of the Upper and Middle Vistula Basin and to address persistent flood risks in the Nysa Klodzka catchment of the Odra Basin. The project would also respond to the growing risks posed by prolonged droughts experienced in recent years, which are expected to intensify and become more frequent under projected climate change. The Project Development Objective is to reduce flood and drought risks in Poland. It focuses on decreasing flood risk in the upper and middle Vistula Basin and the Biala Ladecka as a part of Nysa Klodzka catchment through enhanced flood protection infrastructure and forecasting, while reducing drought risk nationwide by increasing water retention capacity, strengthening drought forecasting and management, and improving water quality monitoring to benefit communities and ecosystems. The project comprises four components: (i) flood risk reduction through the construction of dry polders to protect major urban areas, including Krakow, Sandomierz, and Warsaw, as well as the Biala Ladecka catchment; (ii) drought risk reduction through multipurpose reservoirs (including the Kamieniec Zabkowicki multipurpose reservoir) and green retention measures; (iii) institutional strengthening for flood and drought forecasting, early warning, management, and water quality monitoring. This component will also finance a green scheme, yet to be identified, for improved water retention in the upper Vistula basin and Nysa Klodzka catchment; and (iv) project management and monitoring and evaluation to support effective implementation and knowledge sharing.



Early Warning System Project Analysis

Environmental and Social Risk: H



Investment Description

- World Bank (WB)

Total Project Cost: US\$ 1529.45 million

Commitment Amount: US\$ 958.22 million

IBRD Commitment: US\$ 479.11 million



Contact Information

Task Team Leader: Mahwash Wasiq

Title: Senior Water Resources Management Specialist

Email: Mwasiq@worldbank.org

TTL Contact: Toma Alexandrov Yanakiev

Title: Senior Transport Specialist

Email: tyanakiev@worldbank.org

ADM Environmental Specialist: Nikola Ilie

ADM Social Specialist: Fajar Argo Djati

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Bank Documents

- [Concept Environmental and Social Review Summary - ESRS \(English\)](#)
- [Concept Project Information Document - PID \(English\)](#)