

# Integrated Flood Resilience and Adaptation Project

2023 - 2029

**World Bank**

Pakistan

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## NATURE BASED SOLUTIONS

rivers & floodplains, watershed management, inland wetlands

The development objective of the Integrated Flood Resilience and Adaptation Project for Pakistan is to improve livelihoods and essential services and enhance flood risk protection in selected communities affected by the 2022 floods. The project comprises of six components. The first component, community infrastructure rehabilitation will finance the rehabilitation of priority community infrastructure damaged by floods, including irrigation and flood protection infrastructure, water supply schemes, roads, bridges, and small community facilities located in calamity-declared districts of Balochistan. The second component, strengthening hydromet and climate services will improve the capability of the Pakistan Meteorological Department (PMD) to generate and utilize hydromet information for decision-making. The third component, resilient housing reconstruction and restoration will finance: (i) resilient housing reconstruction grants to beneficiaries for the reconstruction of core housing units damaged by floods; and (ii) institutional strengthening and technical assistance for the reconstruction. The fourth component, livelihood support and watershed management will finance the provision of livelihood grants to smallholder farmers and agribusinesses for enhancing agricultural and livestock-based livelihoods and to communities for watershed restoration. The fifth component, project management, technical assistance, and institutional strengthening will finance provision of support for: (i) project management for the Federal Project Management Unit (FPMU) and the

Provincial PIUs, provision of a pool of technical experts to support PIUs; (ii) technical assistance for monitoring and evaluation, project supervision, and implementation assistance (PSIA), preparation of series of projects (SoP), including river basin planning studies, basin-level flood modeling and resilient infrastructure planning and design, dam safety studies and preparation of community flood resilience plans; and (iii) institutional strengthening, including an internship program, capacity building and the preparation of a draft Water Act. The sixth component, contingent emergency response facilitates provision of immediate response to an eligible crisis or emergency, as needed. The project will implement NBS such as wetland restoration and vegetative riverbank protection to reduce flood peaks and increase infiltration.

### LEARN MORE

<https://projects.worldbank.org/en/projects-operations/project-detail/P180323>

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#### INTERVENTION

Hybrid

#### HAZARD

river flooding

#### SCALE

Regional

#### RISK REDUCTION BENEFITS

reduce flood risk

#### DONORS

ida

#### EST. MONETARY COST

(TODAY'S US\$)

**65**

#### EST MONETARY BENEFITS

**Unknown**

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