

# Indonesia: National Urban Flood Resilience Project (NUFReP)

2023 - 2028

**World Bank**

Indonesia

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## NATURE BASED SOLUTIONS

urban green spaces, ponds, lakes, small water bodies, coastal wetlands (excluding mangroves), mangroves, indirect non-structural measures

The development objective of the National Urban Flood Resilience Project (NUFReP) for Indonesia is to reduce flood risk in select Indonesian cities through increased national and city-level capacities and investments for integrated urban flood risk management. The project comprises of three components. The first component, flood risk analytics and planning will support flood risk analytics and planning, which are needed to align urban flood resilience measures with ongoing and future urban development and spatial planning, and to mitigate the effects of climate change on urban flood risk. The second component, urban flood resilience measures will support the implementation of priority structural and non-structural measures (sub-components 2.1 and 2.2, respectively) included in the multi-year and multi-sectoral urban flood resilience action plans for five cities (Banjarmasin, Bima, Manado, Medan, and Semarang). It consists of following sub-components: (i) structural flood resilience measures; and (ii) non-structural flood resilience measures. The third component, program management and implementation support will help the government establish and operationalize the umbrella national urban flood resilience program and support project implementation. The project aims to reduce urban flooding through complementary grey and blue-green structural measures, including green urban corridors and restoration of coastal mangroves and wetlands.

## LEARN MORE

<https://projects.worldbank.org/pt/projects-operations/project-detail/P173671>

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### INTERVENTION

Hybrid

### HAZARD

urban flooding

### SCALE

National

### RISK REDUCTION BENEFITS

reduce flood risk

### DONORS

IBRD

### EST. MONETARY COST

(TODAY'S US\$)

**380**

### EST MONETARY BENEFITS

**Unknown**

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