



BUILDING FLOOD RESILIENT COMMUNITY THROUGH ADAPTIVE LIVELIHOOD AND RUNOFF MANAGEMENT IN PETANGLONG, INDONESIA

Since the early 2000s, the Petanglong area in Central Java Province, Indonesia, has been repeatedly hit by extreme flash and coastal floods. Loss of assets and productive land, damage to infrastructure, and disruption of livelihoods are among the impacts faced by the community. Both the decadal prediction and climate projection scenario conducted as part of the Climate Risk and Impact Assessment (CRIA) of Kupang Watershed indicate a deteriorating trend. Without strategic actions, the severity of these impacts could increase significantly. Projections show that the inundated area could increase from around 1,800ha in 2020 to more than 5,700 Ha by 2035. It will have devastating impacts on the economy of the Petanglong area and further increase the vulnerability of their already vulnerable community.

In response, Kemitraan and Mercy Corps have been introducing climate-resilient interventions in the watershed. To scale these activities, they developed the BRAVE project adopting a holistic landscape approach, from reducing upstream watershed risks to building coastal resilience. The BRAVE project seeks to build the community's resilience to climate change under a flood resilience building framework, by balancing livelihood improvement and ecosystem preservation across the Kupang and Sengkarang watersheds in the Petanglong area. Activities in the upstream section will focus on climate-smart agriculture to preserve the upstream ecosystem and reduce flood risk in the lower area. The midstream will be focusing on climate-smart agriculture and run-off management through blue-green space development, utilizing nature-based solutions and ecosystem approaches to cope with flood management. While the downstream will be focusing in adaptive aquaculture practices and mangrove planting to reduce the impact of floods.

Oxford Policy Management is supporting Kemitraan to develop the full Funding Proposal. Richard McNally/Symmetry is leading the development of the Full Funding Proposal. The expectation is to complete the funding proposal in Q4 2025.