

GLOBAL WETLANDS PROJECT

COSTA RICA

Costa Rica is a hub partner in the GLOW project, contributing to the monitoring of fauna associated with mangrove ecosystems. In March 2026, the Costa Rica team deployed nine Ceyomur CY95 camera traps in the Punta Flor mangrove on Chira Island. The survey design included three different mangrove conditions: a reference forest, a restoration project area, and a degraded area. Three cameras were placed in each environment and programmed to take one photograph every 30 seconds over a 48-hour sampling period.

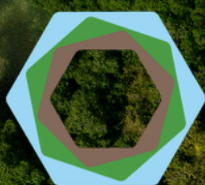


Camera deployment with PVC structure



White heron walking on the sediment of the sampling site

The resulting images are now being filtered and analysed to support the quantification and identification of crabs as bioindicators of mangrove ecosystem condition. To date, individuals from the families Ocypodidae and Grapsidae have been identified. These early observations contribute to GLOW's broader aim of using standardised monitoring methods to compare biodiversity and ecosystem function across different mangrove contexts. The Costa Rica site is especially valuable because it allows the team to examine how crab communities may differ across reference, restored, and degraded habitats.



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