

STRATEGIC PRIORITY 1

Maintain the ecological function of the Mekong River Basin

OUTCOME 1.1 Adequate water flow and quality for a healthy environment and productive communities

OUTPUT 1.1.1 Guidance for water flow and quality management implemented

1.1.1.1

Revisit PMFM and identify and evaluate potential new or additional flow thresholds (and methodologies) for guiding the monitoring and management of flow conditions in the mainstream (incl. for rapid river level fluctuations, minimum flood season, and maximum dry season flows)

1.1.1.2

Implement PMFM guidelines including any updated or additional flow thresholds

1.1.1.3

Develop methods for identifying and monitoring water quality related emergency incidents (informed by recent experience) and emerging water quality issues (e.g. plastics) in accordance with the PWQ

1.1.1.4

Implement PWQ guidelines including any new monitoring methods and parameters

1.1.1.5

Support implementation of the Regional Action Plan for Sustainable Transport of Dangerous Goods

1.1.1.6

Implement PWUM using upgraded DSS connected to ground, global and satellite datasets

OUTPUT 1.1.2 Guidance and measures for impact mitigation of water infrastructure implemented

1.1.2.1

Support use and integration of Preliminary Design Guidance in regional and national regulatory frameworks

1.1.2.2

Support implementation of Joint Action Plans for all mainstream hydropower projects

1.1.2.3

Support implementation of RSAT in Mekong tributaries

1.1.2.4

Support application and mainstreaming of the Guidelines for Transboundary Environmental Impact Assessment into national Environmental Impact Assessment systems and regulations

OUTCOME 1.2 Sediment transport managed to mitigate bank erosion and maintain wetland and floodplain productivity

OUTPUT 1.2.1 Basin-wide sediment management plan developed and implemented

1.2.1.1

Undertake a study on sediment transport throughout the basin including on the sources and fate of sediments, the impact of existing and planned infrastructure and sediment extraction activities, and the extent and distribution of bank erosion

1.2.1.2

Identify options for reducing sediment trapping at existing and planned dams and for reducing sand mining, taking into account the interacting factors that lead to bank erosion (for input to basin-wide scenario assessments)

1.2.1.3

Prepare a basin-wide sediment management plan

OUTCOME 1.3 Ecosystem services from wetlands and watersheds ensured

OUTPUT 1.3.1 Limits of acceptable change for key river and connected wetland habitats identified and implemented

1.3.1.1

Identify and assess limits to adequately protect key regional environmental assets (i.e. wetlands) including consideration of ecosystem functions and services, through engagement of scientific expertise, national agencies and local communities

1.3.1.2

Support Member Countries in updating, developing and implementing management plans for key regional environmental assets identified in the SBEM and other regional environmental strategies

OUTPUT 1.3.2 A basin-wide planning and management framework for watersheds agreed and implemented

1.3.2.1

Identify good practice institutional, governance and regulatory arrangements for the management of watersheds with opportunities for harmonisation and capacity building between countries

1.3.2.2

Develop a basin-wide planning and management framework for watersheds that are key regional environmental assets due to their role in providing regionally significant ecosystem services