

# STRATEGIC PRIORITY 3

Enhance optimal and sustainable development by increasing regional benefits and decreasing regional costs

## OUTCOME 3.1

Increased economic growth of all basin countries from more proactive regional planning

## OUTCOME 3.2

Enhanced inclusive growth and sustainability in irrigated agriculture, hydropower, navigation, environment and fisheries sectors

### OUTPUT 3.1.1

The Basin Development Plan and associated national plans for water resources development are informed by the findings of a more proactive regional planning approach

#### 3.1.1.1

Assess options for increasing natural and constructed water storage, using GIS/EO technology and field work

#### 3.1.1.2

Formulate alternative basin-wide development scenarios and update the existing BDP assessment methodology

#### 3.1.1.3

Assess the agreed alternative basin-wide development scenarios and the distribution of benefits and costs

### OUTPUT 3.2.1

Investment and associated measures in irrigated agriculture implemented

#### 3.2.1.1

Coordinate development of guidelines on sustainable transboundary groundwater management and support implementation through country-to-country capacity building

#### 3.2.1.2

Identify opportunities, promote and provide guidance on irrigation development opportunities, for adaptation to climate change, improved food security, and reduced inequity

### OUTPUT 3.2.2

Sustainable hydropower development strategy and related regional energy plans implemented in synergy

#### 3.2.2.1

Support implementation of the SHDS and coordinate and promote alignment with regional energy plans (incl. GMS and ASEAN)

#### 3.2.2.2

Assess alternative cost-effective regional energy/water system integration options related to water (e.g. floating solar with hydropower, seasonal storage, cross basin and regional generation efficiency, etc.) within the context of broader energy sector plans including solar and wind and as informed by comprehensive regional options assessment(s) by countries and other regional actors (ASEAN, GMS, etc)

### OUTPUT 3.2.3

Investment and associated measures in basin navigation plans implemented in synergy

#### 3.2.3.1

Support the implementation of the MRC Masterplan for Regional Waterborne Transport in the Mekong River Basin in alignment with the JCCCN Development Plan on International Navigation on the Lancang-Mekong River (2015-2025) in consultation with all basin countries

#### 3.2.3.2

Facilitate the harmonisation of navigation rules and regulations between LMB countries and support national implementation

#### 3.2.3.3

Facilitate and coordinate navigation investments in accordance with existing or updated plans

### OUTPUT 3.2.4

Investment and associated measures in regional environmental strategies and programmes implemented in synergy

#### 3.2.4.1

Support the implementation of the SBEM and support the preparation of identified investment projects and associated measures for wetlands and watersheds

#### 3.2.4.2

Raise awareness and build capacity in leveraging ecosystem services from wetlands and watersheds through alternative financial mechanisms including carbon offsets, and ecotourism

### OUTPUT 3.2.5

Investment and associated measures to adapt to changes in fish populations and catch composition identified and implemented

#### 3.2.5.1

Support the implementation of investments and associated measures to enhance fisheries consistent with the BFMS including raising awareness, building capacity and supporting adaptation to likely future fish populations (incl. in reservoir and rice field fisheries, stock enhancement, and sustainable aquaculture)

#### 3.2.5.2

Explore alternative futures for fish populations and catch composition resulting from water resources development and climate change and identify options to adapt to these changes and maintain viable fish populations

#### 3.2.5.3

Evaluate investments and other options to maximise fisheries production under changed river conditions as a result of water resources development and climate change, and support the preparation of identified investments