OVERVIEW OF SCOPING AND BASELINE ASSESSMENT PHASE

MRC SEA of hydropower on the mainstream Mekong

Scoping process

Key strategic themes for development of the mainstream Mekong River defined by government experts

THAILAND

A. Fisheries
B. Agriculture
C. Wetlands & biodiversity conservation
D. Navigation
E. Health
F. Local Livelihoods & Poverty reduction
G. Migration
H. Irrigation
I. Energy Security/ energy poverty

LAO PDR

A. Fisheries (1)
B. Power generation (2)
C. Navigation (2)
D. Tourism (3)
E. Manufacturing/processing Industry (4)
F. Water Quality, sedimentation & erosion (5)
G. Resettlement & cultural heritage (6)

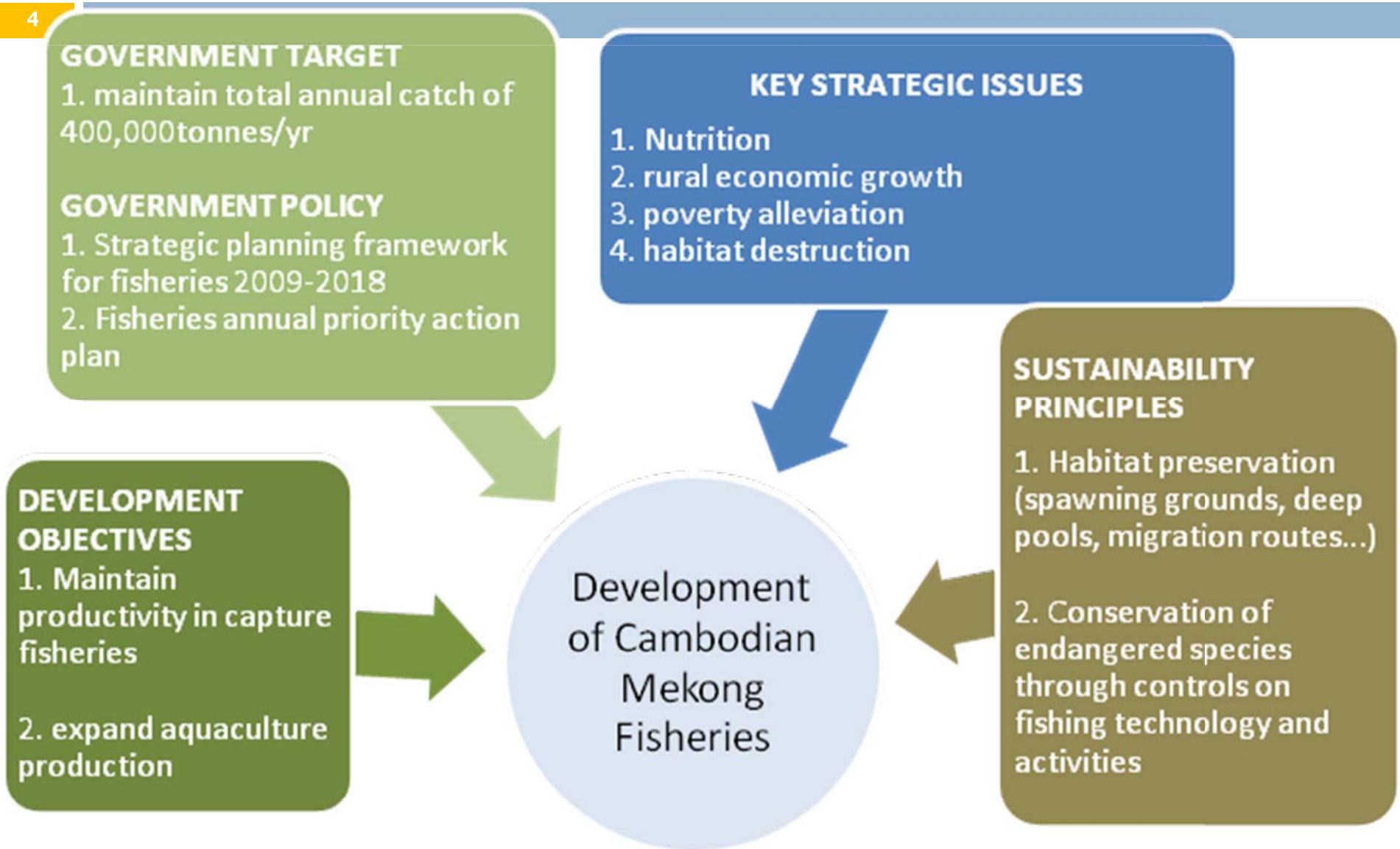
CAMBODIA

A. Fishery (1)
B. Power & Energy (1)
C. Poverty and livelihood (2)
D. Hydrology and water quality (2)
E. Agriculture and water supply (3)
F. Terrestrial ecology and land use (3)
G. Aquatic diversity and ecosystems and fisheries (3)
H. Navigation (8)

VIET NAM

A. Agriculture (1)
B. Fisheries (2)
C. Transport & inland waterways (3)
D. Ecosystem integrity and environment (3)
E. Hydrology and climate change (4)
F. Power generation (unranked)

Identification of key issues by theme



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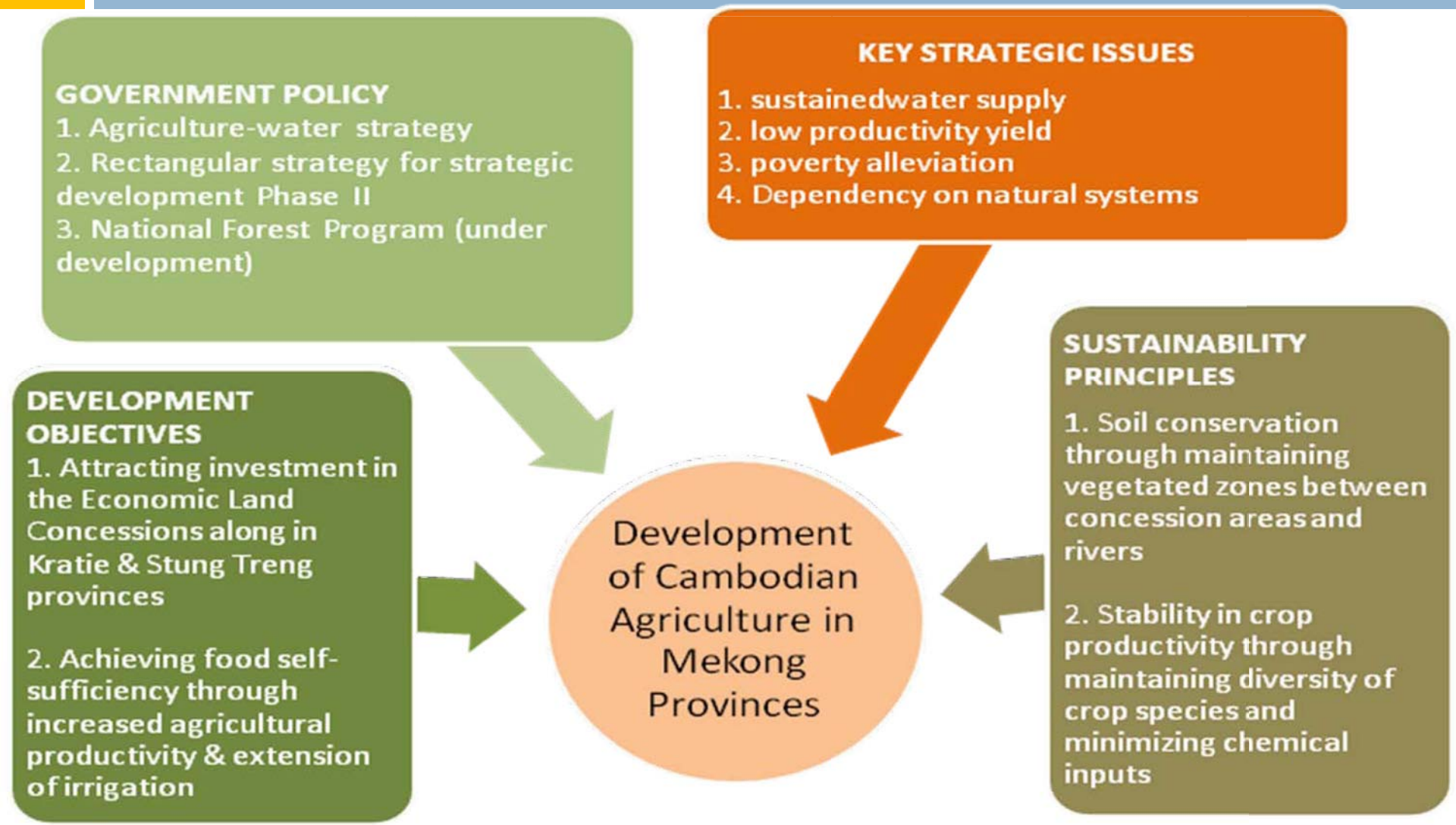
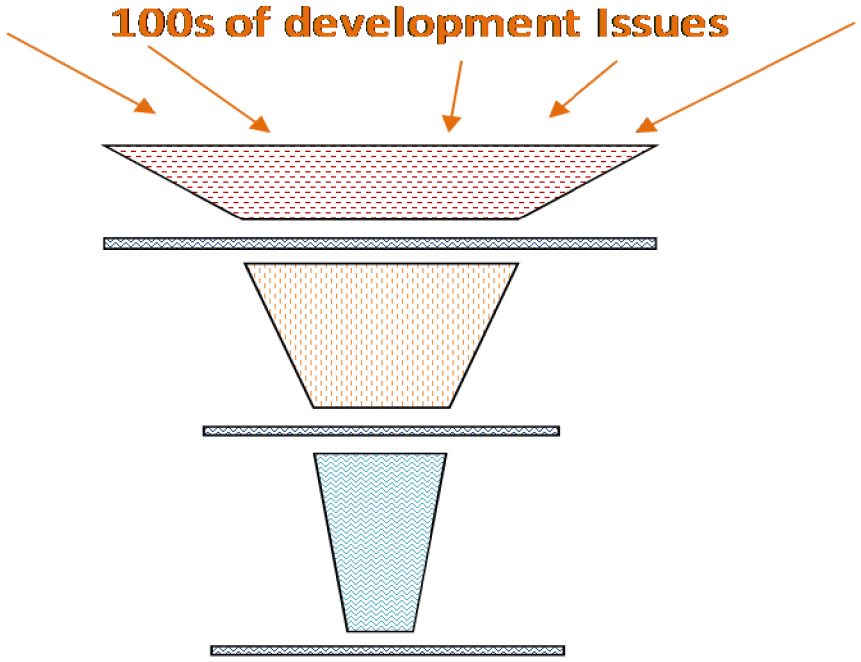


Working set of strategic themes

1. energy and power
2. economics
3. social systems
4. hydrology & sediment
5. aquatic systems
6. fisheries
7. terrestrial systems (including agriculture)
8. climate change

Theme	Key strategic issue
ENERGY	1. Importance of mainstream power generation for regional power demand and expansion generation needs 2. Feasibility of alternative energy sources for the region 3. Compatibility of mainstream hydropower and domestic electrification and energy poverty alleviation 4. The importance of foreign exchange earnings to national and local development 5. Contribution of mainstream dams and secondary stimuli to national and provincial development
FISHERIES	1. Changes to the unique features of the Mekong River fisheries ▪ biodiversity, ▪ migration patterns, ▪ catching techniques 2. The importance of fisheries to local livelihoods and national/provincial economies
HYDROLOGY & SEDIMENT	1. Changes to the hydrological processes of the Mekong River 2. Fate and transport of sediment through the Mekong River 3. Changes to water quality
AQUATIC SYSTEMS	1. Productivity and biodiversity of aquatic habitats 2. The nature and importance of Mekong River ecosystems services

1. SCOPING



Government Line Agency Meetings

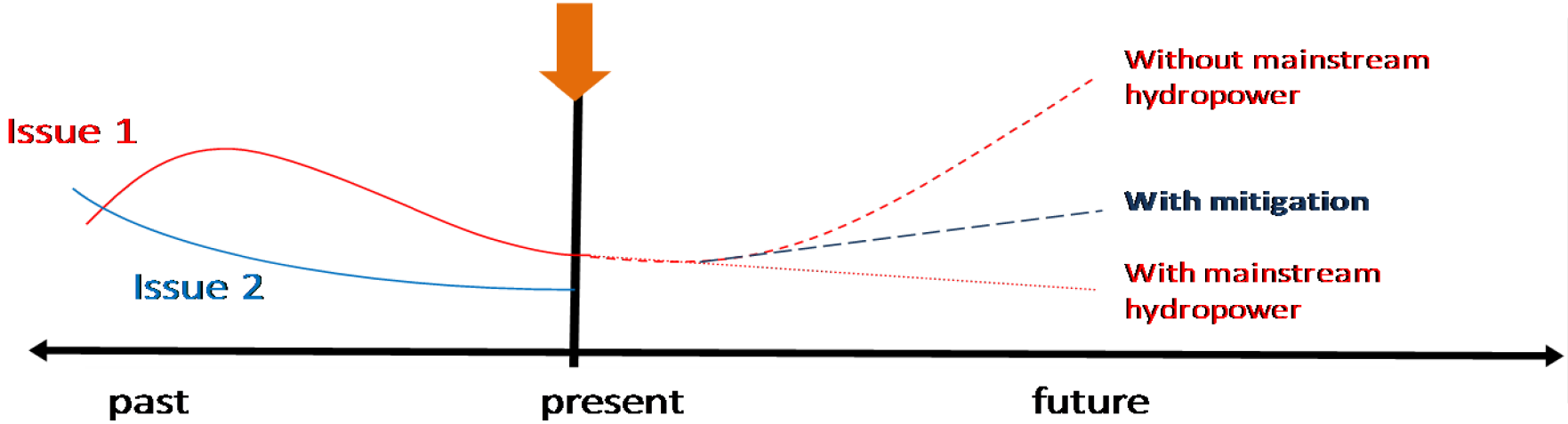
- meetings with 40 agencies in the LMB

National Scoping & Capacity Building Workshop & Civil Society Meetings

- 4 National Scoping Workshops
- 3 Civil Society meeting
- Thai Civil Society meeting to follow in November

2 Field Missions & Opinion from 17 experts

- Luang Prabang, Xayabouly, Pak Lay, Sanakhan, Pak Chom



4. MITIGATION

2. BASELINE ASSESSMENT

3. OPPORTUNITIES & RISKS ASSESSMENT

Trend analysis and scenarios

- Trend analysis for past, current and future (2025-2030)
- Indicators for assessing change in key issues – drew from BDP indicator framework
- SEA adopted two BDP scenarios:
  - LMB 20 year plan without mainstream hydropower dams
  - LMB 20 year plan with mainstream hydropower
- Both include existing and planned Yunnan and tributary dams