

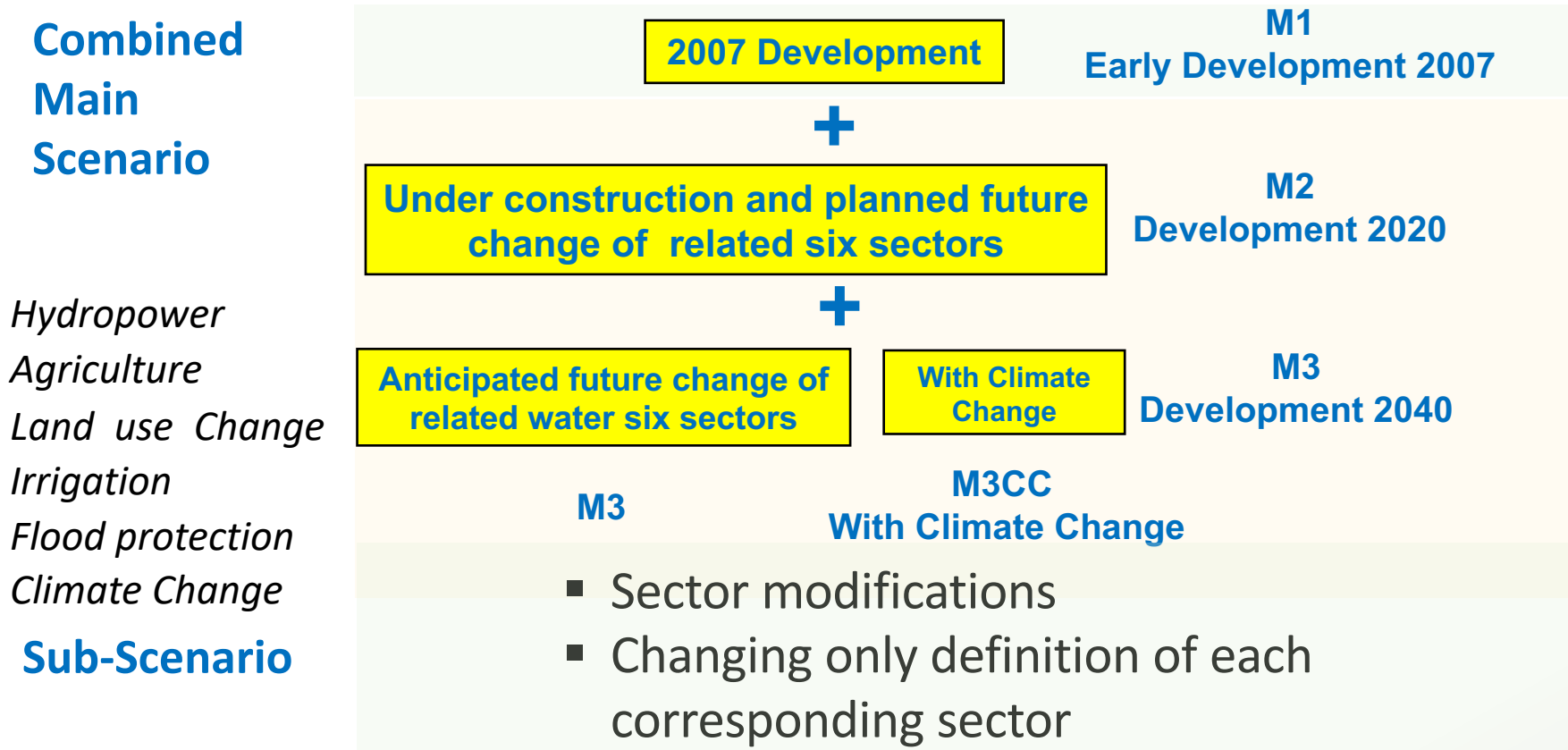
COUNCIL STUDY – IMPACTS OF DEVELOPMENT PLANS IN THE MEKONG BASIN INFORMING BASIN DEVELOPMENT STRATEGY (2021-2030)

MEKONG RESEARCH SYMPOSIUM, HANOI, 18 DECEMBER 2019

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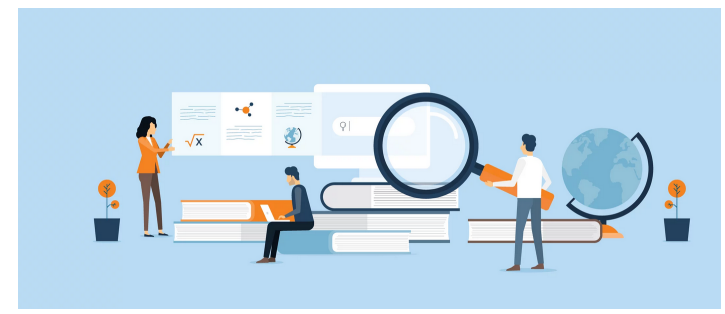
Definition of Scenarios



Council Study / Sub-Scenarios

Scenario	Description	Projected Year	Climate
A1	Planned development 2040 without ALU (M3CC without ALU)	2040	1985-2008
A2	Planned development 2040 with high level (M3CC with high level ALU)	2040	1985-2008
C2	Planned Development 2040 + Wetter Climate	2040	w/ CC wetter
C3	Planned Development 2040 + Drier Climate	2040	w/ CC drier
CC	Planned Development Scenario 2040 w/ mean wetter and drier climate	2040	w/ CC
F1	M3CC with planned development 2040 with no FPF	2040	w/ CC
F2	M3CC with planned development 2040 with FPF2 (Urban protection at 100yr flood + floodplain management 20yr flood)	2040	w/ CC
F3	M3CC with planned development 2040 with (With joint operation among mainstream dams and selected tributary dams for flood management and	2040	w/ CC
H1a	M3CC with no dam development (only dams from M1 included)	2040	w/ CC
H1b	M3CC with Chinese dams and tributary dams but without LMB mainstream dams	2040	w/ CC
H3	M3CC with all tributary with its mitigation, operation, including Sambor	2040	w/ CC
I1	Planned development 2040 with no IRR (M3CC without IRR)	2040	w/ CC
I2	Planned development 2040 with high level of IRR (M3CC high level IRR)	2040	w/ CC
M1	Early development scenario 2007	2007	1985-2008
M2	Definite future scenario 2020	2020	1985-2008
M3	Planned development scenario 2040	2040	1985-2008

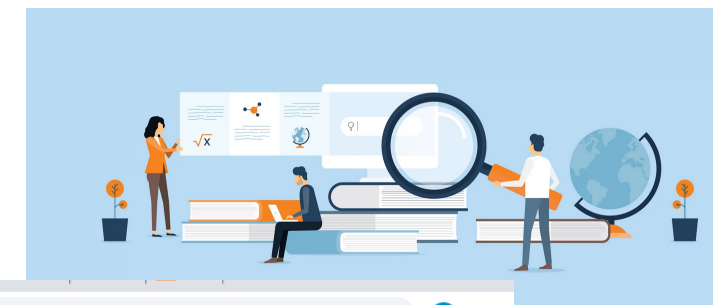
The Council Study main findings



- Current development plans have both highly beneficial and non-beneficial hydropower and agriculture projects, some non-sustainable.
- The plans may trigger a decline in resilience and increase in vulnerability in the Mekong corridor.
- The trade-offs between hydropower development and fisheries are substantial.
- With no additional investment in navigation, inland waterway transport growth would be very low.
- Climate change is likely to amplify negative impacts

The Council Study - Interactive Report

<http://interactive.mrcmekong.org/council-study-findings/council-study-findings/>



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1/9 Council Study findings

The Lower Mekong Basin

Mekong River Commission
FOR SUSTAINABLE DEVELOPMENT

Towards better investments in water resource management and development

Snapshot of the MRC Council Study* findings and recommendations

How can we stimulate strong economic growth without compromising environmental sustainability and leaving anyone behind?

**Study on Sustainable Management and Development of the Mekong River Basin including Impacts of Mainstream Hydropower Projects*

Introduction

Development scenarios

Potential benefits and adverse impacts

Recommendations

Reports

Economic assessments

- Hydropower
- Fisheries
- Agriculture
- Navigation

Environmental assessments

- Sediment
- Bank protection
- Ecosystem conditions
- Fish biomass

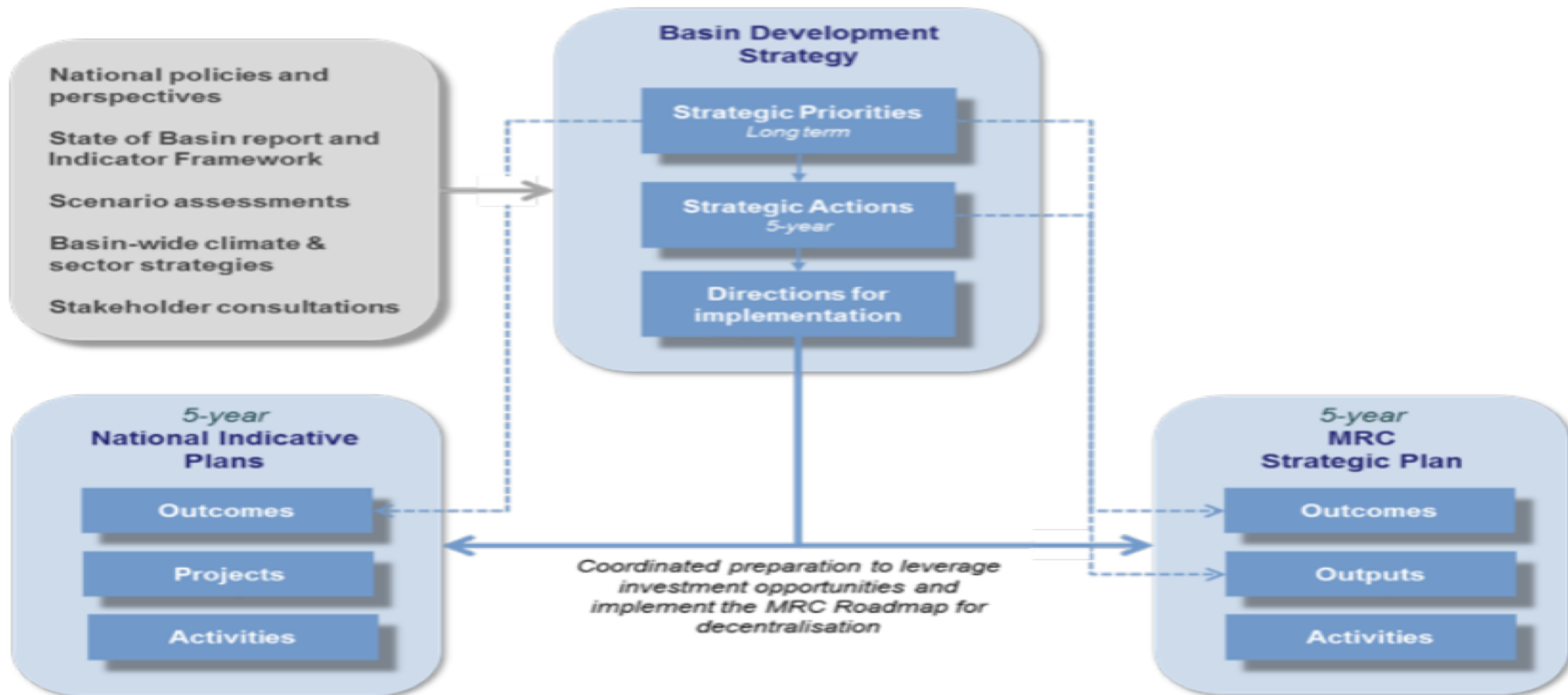
Overall assessments

- GDP ranges
- Poverty levels
- Natural capital

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How the Council Study informs the Basin Development Strategy

FIGURE 3 STREAMLINED APPROACH TO MRC STRATEGIC PLANNING



Suggested usage of the SVP tool in national/basin vision planning

- Explore what development scenarios are the most preferred one (indicatively only).
- Understanding the potential trade-offs/correlations among sectors.
- See the potential magnitude of changes in food/environment resources compared to baselines.

➔ All figures are indicative, trends matter more!





THANK YOU

One Mekong. One Spirit.