

Socialist Republic of Vietnam

7 The project idea on Integrated River Basin Management (IRBM) technology with which has the international support.

a) Title of project proposals for technology development

"Climate change and integrated management of river basins in Vietnam"

b) Project's information

- Introduction / Background:

Climate change leads to the important changes on water resources in river basins. There have been studies on the effects of climate change scenarios on water resources for a specific river basins in Vietnam. The question is to study and propose methods of water management and scenarios of socio-economic development in the river basin in accordance with those changes.

- Goals and objectives:

- Goals: To analyze the effects of climate change on water resources in river basins, especially the change in water resources and water quality;
- Objective: To apply model for integrated management of river basins taking into account the climate change scenario for some river basins in Vietnam and give suggestion about the application of technological measures to climate change suitable with researched basin.

- Relations of project with the priorities in sustainable development of the country: Safe management and use water efficiently is one of the top priorities in the sustainable development objectives of Vietnam.

- Things that are obtained from the project as the value / benefits / messages:

- Specialist training in integrated management of river basins;
- Raising awareness of the community on effective use of water resources and the effects of climate change.

- The scope and feasibility of the project: Affecting the planning of socio-economic development in the watershed.

- Timeline: 3 years

- The requirements for budget / resources: The cost of surveys, models, equipment installation, and time of consultant and experts is about 10 billion VND (about 500,000 USD).

- Estimated / measured: Applying the model for two typical river basins in Vietnam.

- The problems / challenges that may arise:

- Inadequate hydrometeorological data and socio-economic development in the watershed;
- Responsibility for the river basin management is not clear.

- The responsibilities and coordinate in the implementation: MONRE, MARD, VAST.

8 The project idea on sea-dike technology with which has the international support.

a) Title of project proposals for technology development

"Research on scientific bases to assess impacts of sea dike system for sustainable development"

b) Project's information

- Introduction / Background:

Sea dikes in Vietnam have developed quite fast in recent times. However, effect of the sea dike system towards national's goal of sustainable development has not adequate attention. It is necessary to summarize world experiences and science-based research on the impact of sea dikes to apply in Vietnam.

- Goals and objectives:

- Goals: To establish scientific impact assessment and socio-economic environment of the sea-dike system;

Socialist Republic of Vietnam

- Objective: To review the lessons in the world about the impact of sea dikes on socio-economic development and the environment; To assess Vietnam's sea-dike system on economy and social environment in the context of climate change.
- Relations of project with the priorities in sustainable development of the country: Sea dikes protecting important national economic zones where the economy is associated with the sustainable development of the country.
- Things that are obtained from the project as the value / benefits / messages:
 - To raise awareness of the community about the pros and cons of sea technology;
 - To adjust the plan of socio-economic development of coastal areas in line with the objectives of sustainable development.
- The scope and feasibility of the project: To affect the development plans of socio-economy in coastal areas.
- Timeline: 3 years
- The requirements for budget / resources: The cost of surveys, models, equipment installation, and time of consultants and experts is about 10 billion VND (about 500,000 USD).
- Estimated / measured: Applying one sea-dike project in Vietnam.
- The problems / challenges that may arise: Difficulty in getting consensus of experts and managers in planning for sustainable development.
 - The responsibilities and coordinate in the implementation: MONRE, MARD, VAST.

9 The project idea on recovery of coastal wetlands technology with which has the international support.

a) Title of project proposals for technology development

" Building a model of sustainable management of coastal wetlands of Vietnam"

b) Project's information

- Introduction / Background:

Vietnam has many coastal wetlands that have the critical resources and ecosystems. In recent years, the ecology of some wetlands are seriously degraded by such different causes as: environmental pollution, climate change and hydrological regimes, over exploitation ... Management issues for sustainable development of wetlands are matters of urgency.
- Goals and objectives:
 - Goals: To develop a model of sustainable management of wetlands;
 - Objective: To review current and proposed zoning some important wetlands in Vietnam, application management model for sustainable development of wetlands.
- Relations of project with the priorities in sustainable development of the country: The wetlands have high biodiversity and environmental importance to serve as a basis for the country's sustainable development.
- Things that are obtained from the project as the value / benefits / messages:
 - Biodiversity conservation for wetlands;
 - To raise community awareness about the importance of wetlands for the natural environment and socio-economic development.
- The scope and feasibility of the project: Vietnam has joined the Ramsar Convention for 10 years, experts have deep understanding of wetland areas. The wetlands have an important role in socio-economic development in most provinces in the country.
- Timeline: 5 years
- The requirements for budget / resources: The cost of surveys, models, equipment installation, consult experts is about 10 billion VND (about 500,000 USD).