B-12 Study on comprehensive assessment for impacts sea-level rise (Final Report)

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Total Budget for FY1997-FY1999 145,510,000 Yen (FY 1999; 45,443,000Yen)

Key Words Sea-level rise, Coastal area, Assessment, Guideline

In this research project the coastal area of Thailand was chosen as a case study area. Various effects of sea level rise caused by the estimated global warming are to be examined and a guide line will be made to access the effects. This research projects is composed of four sub themes.

The Geographical Survey Institute takes charge of sub theme 1 and 4, The Geological Survey of Japan takes charge of sub theme 2, Port and Harbor research Institute takes charge of sub theme 3, that is,

(1) Sub theme 1 : Study on preparation and collection of basic data and classification of coastal area

The final goal of this sub theme are collection and production of basic data and making the classification of land cover of coastal areas.

(2) Sub theme 2 : Study of modeling of the response and influence of sea-level rise on deltas and coastal lagoons

This sub theme aims to make a model of the response and influence of sea-level rise on deltas and coastal lagoons.

(3) Sub theme 3 : Study on global warming effects and its prediction on mangrove forests

This sub theme aims to make a model of physical processes in mangrove forests and surrounding environment for evaluation of global warming impacts such as sea-level rise, change of rainfall pattern, and change of sediment supply.

(4) Sub theme 4 : Study on method of assessment for effects of sea-level rise and integration of regional data

The final goal of this sub theme is making research on methods to assess the effects caused by the sea-level rise and their integration.