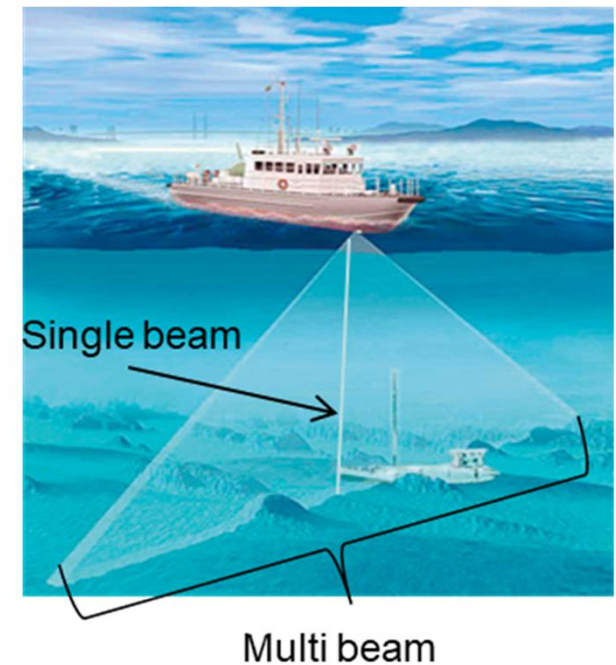
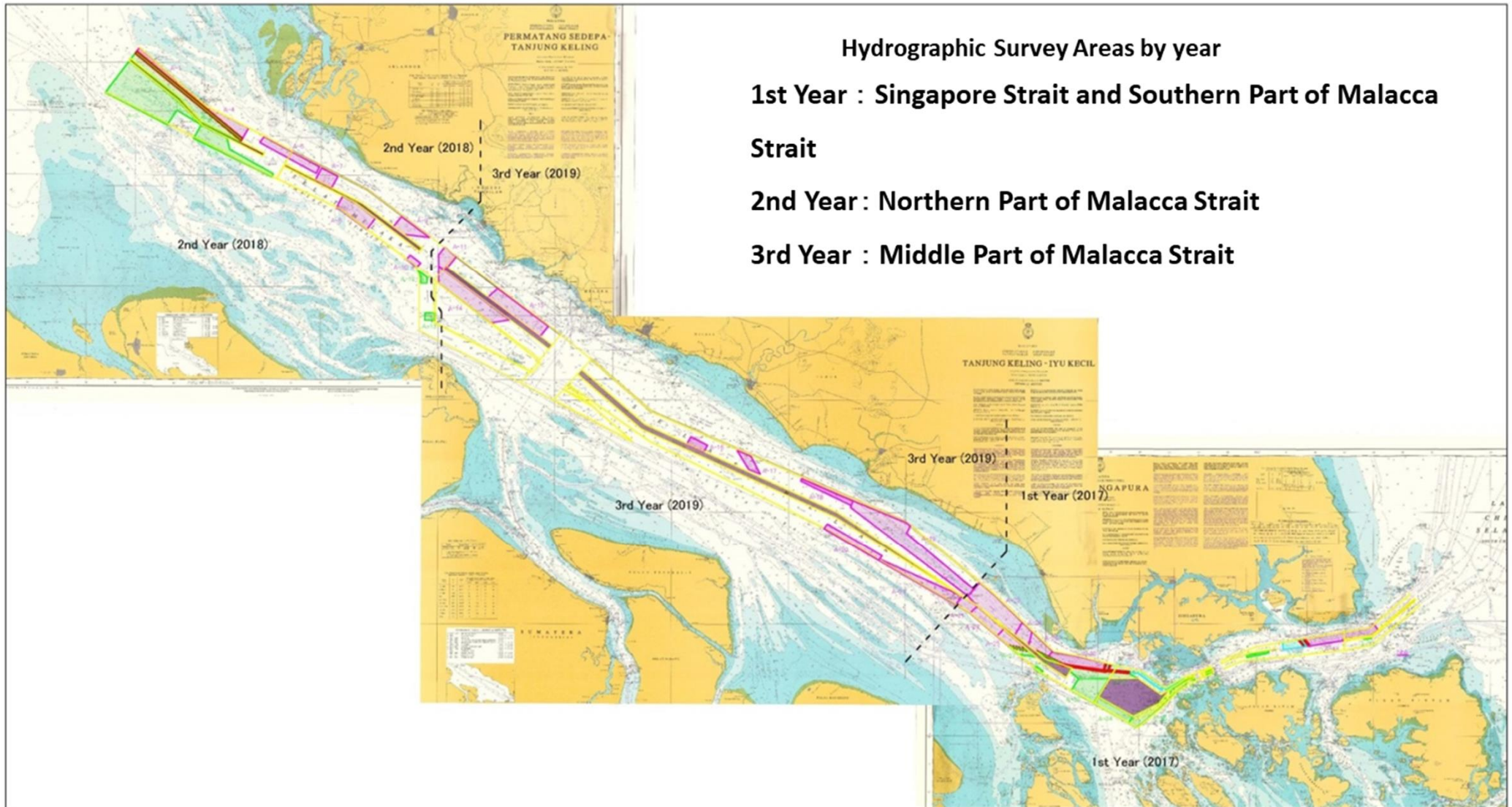


# INTRODUCTION

- The hydrographic survey was conducted due to the need to update electronic navigational charts for the safety of navigation and protection of marine environment in the Straits of Malacca and Singapore for the first time since 1998, with a multi-beam echo-sounder.
- Also, the survey was conducted in two phases: Phase 1 for the five areas that needed to be surveyed urgently, and Phase 2 for the areas other than Phase 1 that were shallower than 30 meters (equivalent to 1/3 of the TSS).
- Japan contributed to the survey by providing financial cooperation and dispatching experts. (Phase 1 was funded by the Japanese private maritime sector. Phase 2 was funded by Japan-ASEAN Integration Fund)



# SURVEY AREA



# HYDROGRAPHIC SURVEY

## Phase 1

- The phase 1 was started in 2015 and was completed in 2016.

## Phase 2

- Memorandum of Understanding for Phase 2 was signed during 10th Co-operation Forum in Malaysia in October 2017.
- The phase2 was started in 2017, suspended in 2020 due to Covid-19, resumed in 2022, and completed in 2023.



10th Co-operation Forum



Survey Boat "SSE MAZU"



# UPDATING ELECTRONIC NAVIGATIONAL CHARTS

- Based on the data obtained from the hydrographic survey, electronic charts were updated and published in July 2023.
- In September 2023, the ASEAN Hydrographic Survey Workshop was held in Indonesia, where the results of this project were reported.



# SUMMARY

- Japan hopes that the updated electronic navigational charts will contribute to the safety of navigation and protection of marine environment in the Straits of Malacca and Singapore.

## THANK YOU

