

Due to many papers prepared by participants, therefore conference grouped into several relating to the papers such as :

1. Sustaining Living Systems Through Improved Management of Resources
2. Sustainable Management of Non-Living Resources in the Straits of Malacca
3. Oceanographic Trend in the Straits of Malacca
4. Navigational Safety Measures for the Straits of Malacca
5. Pollution Management and Mitigation in the Straits of Malacca
6. The Economics of Sustainability of the Straits-Viable Options in Management

7. Sustainable Financing Mechanism and Partnerships Development in the Straits of Malacca

8. Innovation Policy and Institutional Mechanisms in the Malacca Straits : Overcoming Bottlenecks

On 22 April 1999 visited relating project such as Green Mussel Farm at Sebatu, Tanjung Bernas Ports, Petronas Refinery at Kundor, Maritime Academy of Malaysia, Lingga Mangrove Forest and Turtle Management Centre at Padang Kemunting.

The conference was held in a spirit of cooperation and all the participants expressed their appreciation to Malaysia for organizing the conference successfully.

## *EXCHANGE PROGRAM ON QUALITY ASSURANCE & EDITING OF THE ELECTRONIC NAVIGATIONAL CHARTS (ENCs) COVERING THE STRAITS OF MALACCA & SINGAPORE, 22-29 MARCH 1999, SINGAPORE*

*CONTRIBUTED BY CAPTAIN WILSON CHUA*

After the 1996-8 Joint re-survey of the Straits of Malacca and Singapore, the Japan Hydrographic Department produced the ENCs covering the Straits on behalf of the three littoral states. The ENCs were delivered to the three littoral states, namely Indonesia, Malaysia and Singapore for checking. Subsequently, the Japan Association of Marine Safety (JAMS) organized an Exchange Program on the Joint Quality Assurance (QA) and Editing of the ENCs. Representatives from the Indonesian and Malaysian Hydrographic Offices (HOs) were at Maritime and Port authority of Singapore from 22 to 29 March 1999 to jointly carry out the QA of the ENCs.

The ENC were checked against the latest Common Datum Charts (CDC) provided by the Japan Hydrographic Department. The ENCs were kept up to date using latest Indonesia, Malaysia and Singapore Charts. This Program allowed officers from the three HOs to share their experience and expertise on the ENC QA techniques.

The QA and editing is ongoing and the 2nd Joint Quality Assurance workshop would be held in Malaysia in August 1999.



From left : Ms Jenny Goh Siew Ngho (Singapore), Ms Por Soh Leng (Singapore), Mr. Lim Wee Kiat (Singapore), Mr. Widy Prasetyo Soedarto (Indonesia), Mr. Jamie Chen (Singapore), Mr. Fazillah bin Mohd Salleh (Malaysia)

## *ELECTRONIC NAVIGATIONAL CHART TRAINING IN SINGAPORE*

This ENC training course offered by Maritime and Port Authority of Singapore.

Description : The course aims to provide participants with the knowledge and understanding of Electronic Navigation Charts (ENC) as well as practical training to enable participants to carry out the ENC data production and its Quality Assurance.

For whom : Cartographic assistants who are producing ENCs in a hydrographic organization.

Duration of Study : 3 weeks

Date : 12 July 1999