



**INTERNATIONAL MARITIME
ORGANIZATION AND LONDON
CONVENTION**

***SPECIAL WORKSHOP ON PORT
ENVIRONMENTAL
MANAGEMENT & LONDON
CONVENTION***

OCHO RIOS, JAMAICA

MAY 2002

A large white cruise ship is docked at a wooden pier. The ship has multiple decks with many windows and a red stripe. The background shows green mountains under a cloudy sky. The text is overlaid on the image.


SHIP WASTES AND PORT ENVIRONMENTAL MANAGEMENT

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LAND & SEA ENVIRONMENTAL

CONSULTANTS LTD.

CANADA



INTERNATIONAL BASIS FOR SHIP WASTE MANAGEMENT

❖ **MARPOL 73/78 CONVENTION**

❖ **ANNEX I, II, III, IV AND V WASTES**

❖ **REGIONAL SEAS AGREEMENTS**

❖ **PORT STATE CONTROL MOU'S**

❖ **SHIPPING WITH ISO 14001 REGISTRATION**

❖ **NATIONAL LAWS (e.g., OECS MARINE POLLUTION
MANAGEMENT ACT)**

❖ **DEVELOPMENT BANK GUIDELINES FOR PORT
FINANCING AND EXPANSION**

98 12 18

INTERNATIONAL RESPONSE TO SHIP WASTE DUMPING

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Royal Caribbean gets record fine in dumping case

July 21, 1999
Web posted at: 12:54 p.m. EDT (1654 GMT)

WASHINGTON (CNN) -- Royal Caribbean Cruises Ltd., one of the world's largest cruise lines, has agreed to pay a record \$18 million fine and plead guilty to 21 counts of dumping oil and hazardous chemicals and lying to the U.S. Coast Guard.



U.S. Attorney General Janet Reno made the announcement in Washington on Wednesday.

"We expect the laws to be enforced," Reno said. "If people flimflam us, they should expect the consequences."

"The message is ... our waters are far more fragile than people give them credit for," the attorney general said. "We've got to stop messing them up."

In guilty pleas filed in six cities, Royal Caribbean admitted that its fleet routinely dumped waste oil in U.S. waters. The company also admitted to dumping hazardous chemicals in U.S. harbors and coastal areas.

It also agreed to implement a court-monitored program to improve its procedures, and remained under investigation.

In June 1998, Royal Caribbean pleaded guilty to similar offenses involving Miami and San Juan, Puerto Rico. The cruise line was fined a total of \$9 million in those two cases -- a record at that time -- and put on probation for five years.

Government tapes showed Royal Caribbean's practice of dumping oil into the oceans dated back to 1993, and that ships were equipped with illegal sewage pipes that bypassed required cleaning devices. The pipes were disassembled by crews before government inspections.

The cruise line also admitted in June that its crews maintained dummy logs -- which they called "fairy tale" books -- that hid the dumping.

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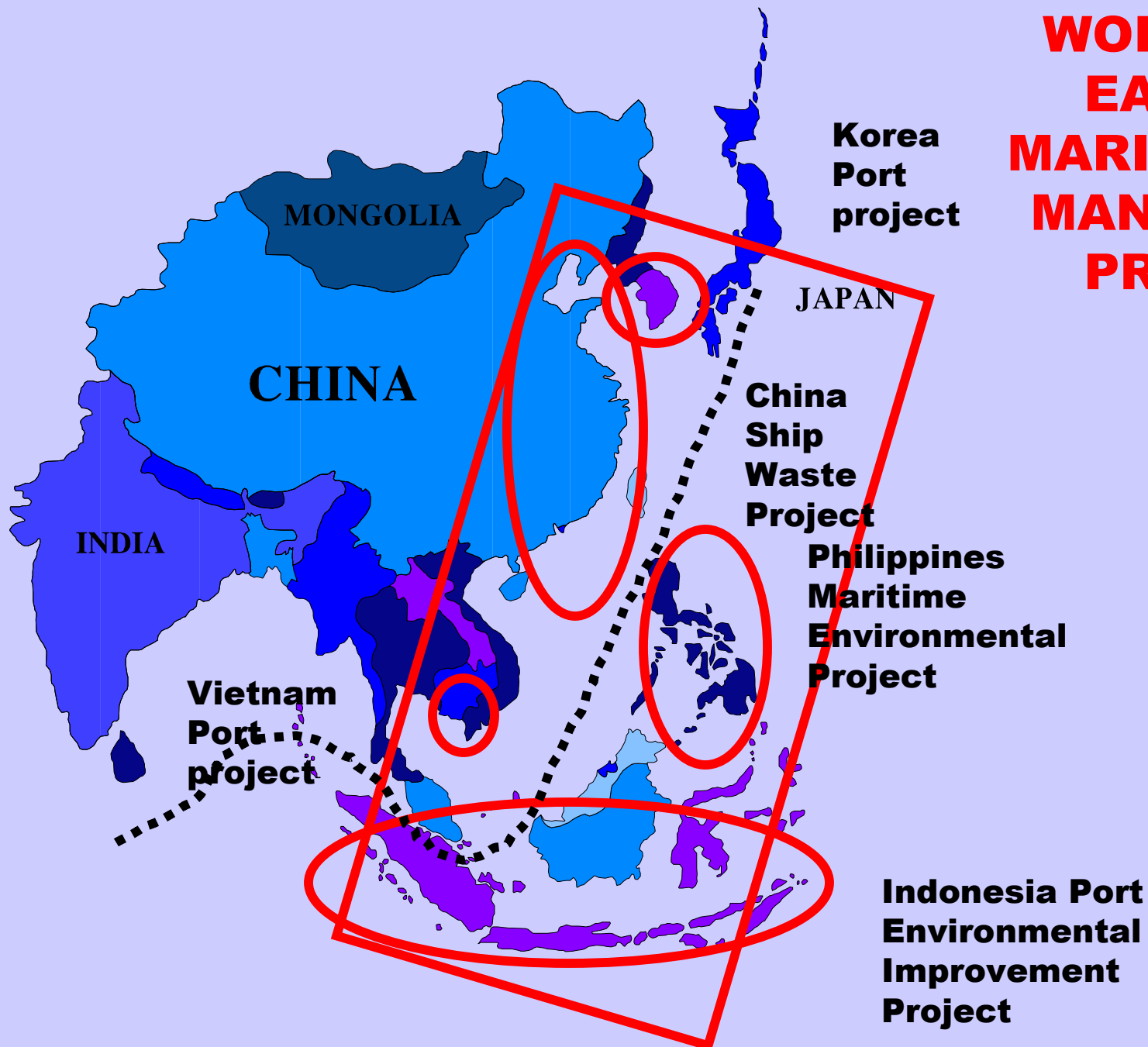
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WORLD BANK EAST ASIA MARINE WASTE MANAGEMENT PROJECTS





OECS WASTE MANAGEMENT PROJECT

6 Participating member states

To address receiving and processing solid wastes from shipping (all types)

To address solid waste disposal on land

To enhance existing Solid Waste Management Acts

15 1998

A large crowd of people is gathered on a waterfront promenade. In the background, there is a large, multi-story white building with many windows. Several flags are flying on tall poles, including the flag of the United States and the flag of the Dominican Republic. The scene is outdoors and appears to be a public event or festival.

To manage wastes from cruise ships within wider Caribbean special region for Annex V wastes.

Expanded to address receiving facility issues and extensive recreation/yacht traffic.

Provided model law, policy and regulations to regulate ship-generated wastes from all types of vessels.

GEF support to address regional seas interests

SCOPE OF THE PROBLEM



GARBAGE AND SOLID WASTES FROM SHIPPING

- ❖ **RECREATIONAL YACHTS**
- ❖ **LARGE CRUISE SHIPS**
- ❖ **COMMERCIAL SHIPPING**

A large white cargo ship is docked at a port. The ship is viewed from a low angle, showing its hull and upper decks. In the background, there is a long, multi-story brick building with a series of windows. The sky is blue with some white clouds. The water in the foreground is dark and has some ripples.

SUCSESSES:

Enhancement of *Solid Waste Management Acts*

New Marine Pollution Management Acts & regulations

New ship waste receiving & transfer facilities

New ship waste documentation plan

Port staff training

Enhanced Solid Waste Management Authorities

New solid waste disposal facilities

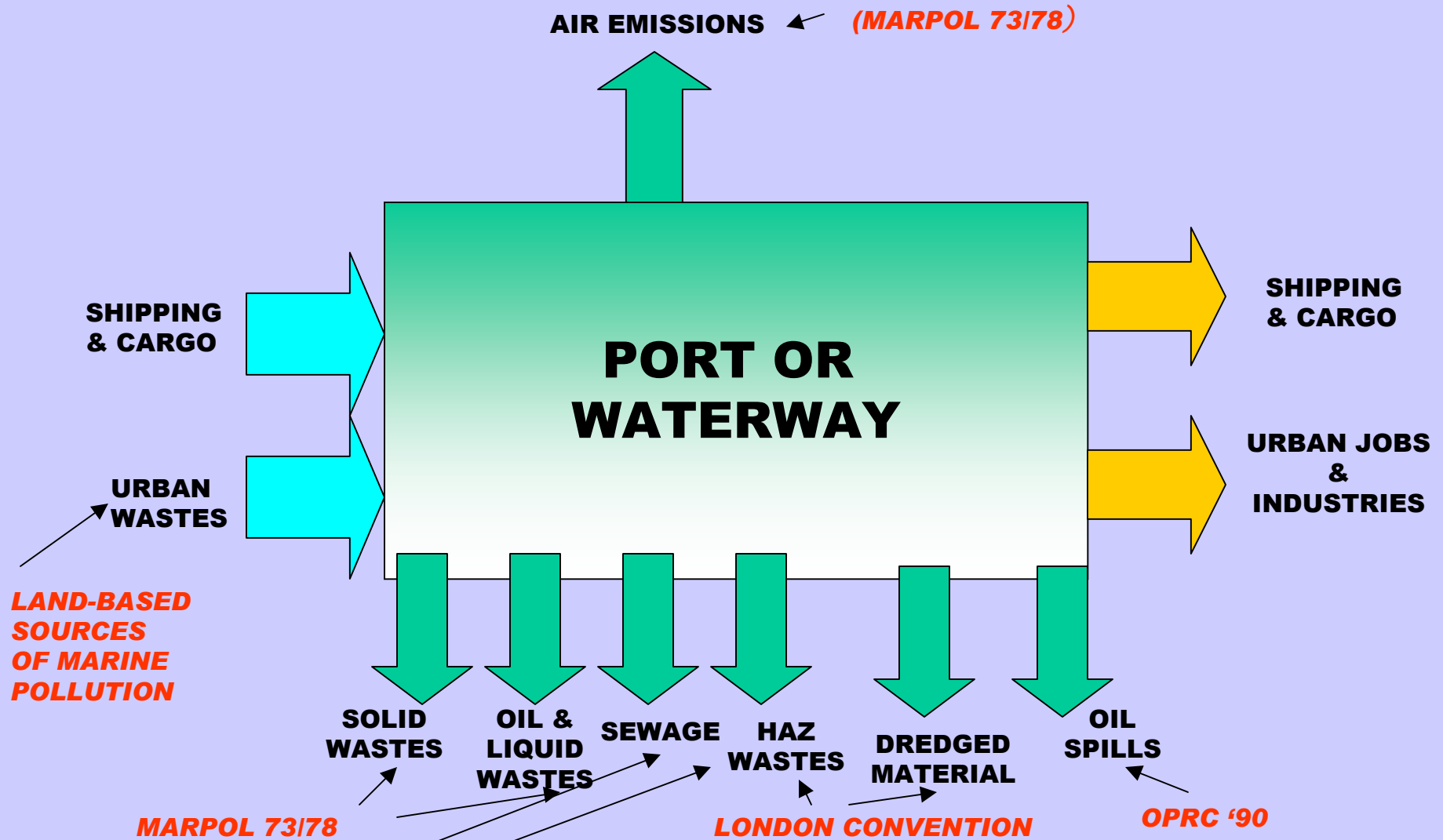
Associated environmental monitoring



KEY ELEMENTS OF PORT ENVIRONMENTAL MANAGEMENT

- ▲ Manage wastes to comply with local laws or international conventions**
- ▲ Manage wastes to meet environmental stewardship goals**
- ▲ Promote pollution prevention**
- ▲ Promote cleaner production**
- ▲ Link Port Env. Mgmt. with coastal Env. Mgmt. issues**
- ▲ Link Port Env. Mgmt. with urban Env. Mgmt. issues**

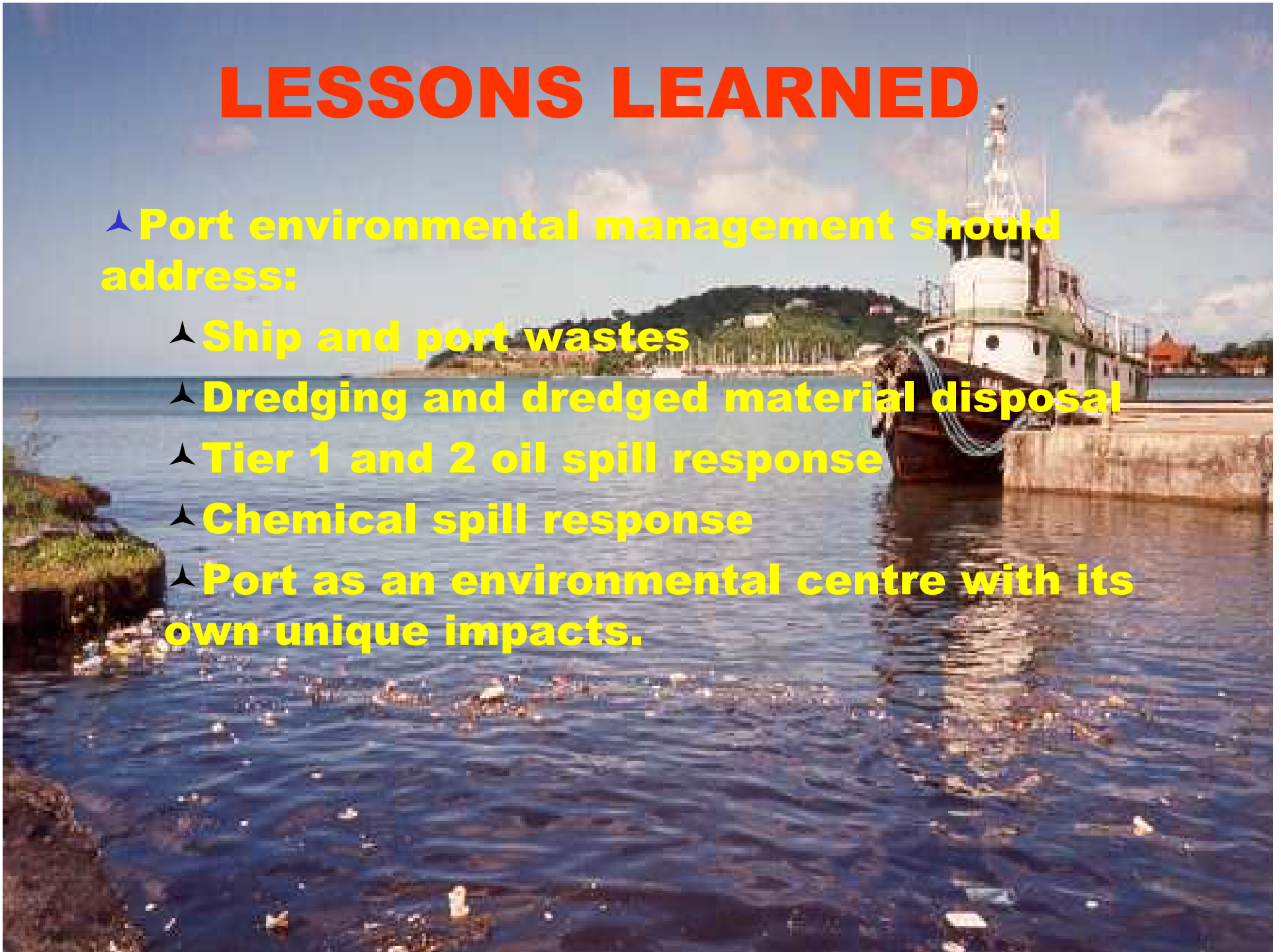
PLANNING FOR PORT MANAGEMENT – PORT “BOX” MODEL OF IMPACTS



LESSONS LEARNED

▲ **Port environmental management should address:**

- ▲ **Ship and port wastes**
- ▲ **Dredging and dredged material disposal**
- ▲ **Tier 1 and 2 oil spill response**
- ▲ **Chemical spill response**
- ▲ **Port as an environmental centre with its own unique impacts.**





OTHER UNDERLYING REQUIREMENTS

▲ NEED APPROPRIATE LEGAL AND REGULATORY BASE.

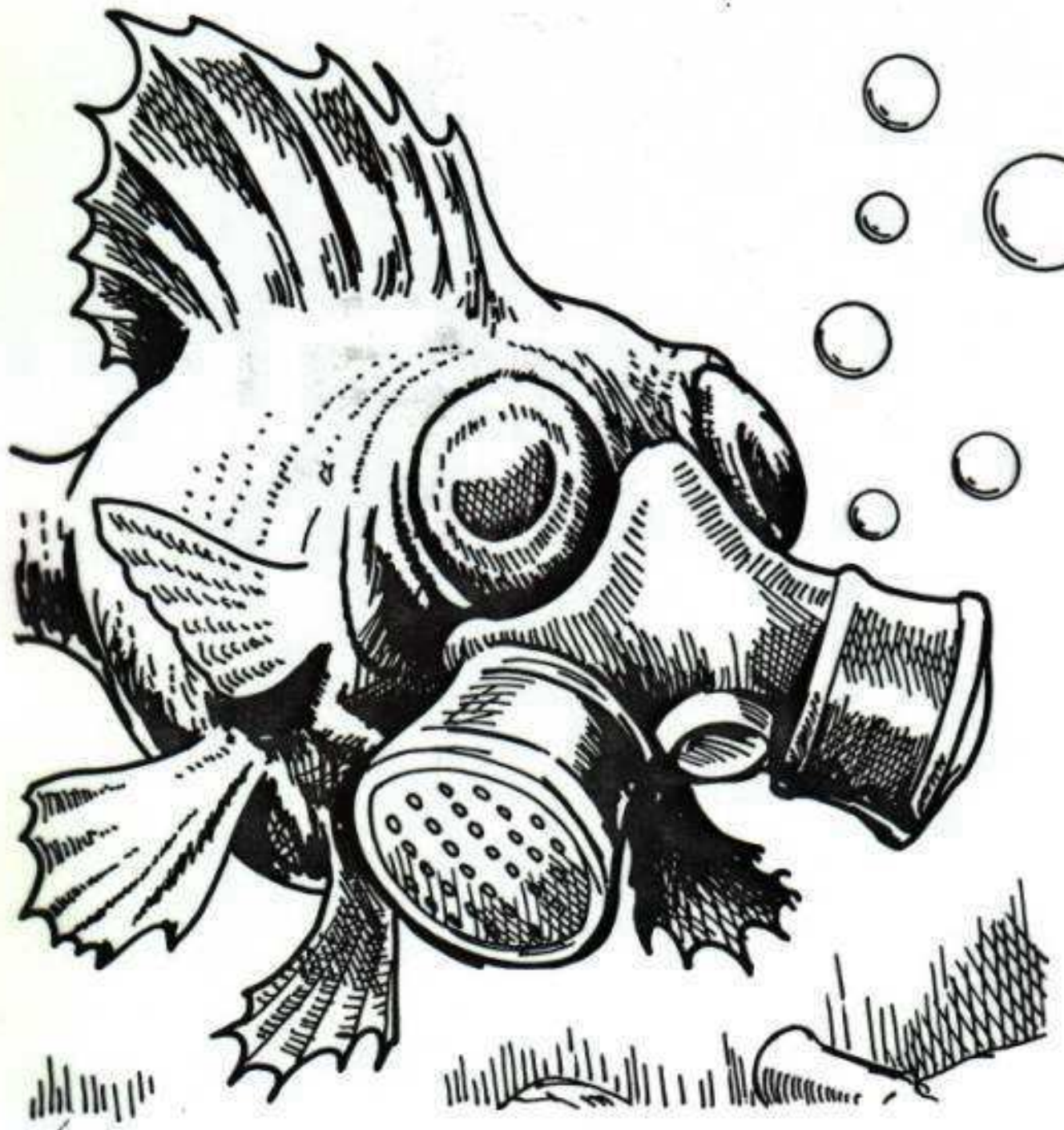
▲ NEED ADMINISTRATIVE BASE.

▲ NEED ADEQUATE TRAINED STAFF.



BENEFITS:

CLEAN HARBOUR, CLEAN SEAS



THANK YOU