



# 11<sup>th</sup> Co-operation Forum

## Workshops on Oil Spill Assessment & Monitoring in the Strait of Malacca and Singapore (SOMS)

Protection of the Marine Environment-Prevention  
and Preparedness for the Marine Pollution



# Contents



Background



Contents



Conclusion



# Part 1

## Background





## Part 1 Background



On the 18th Meeting of the Aids to Navigation Fund (ANF), the Workshops on Oil Spill Risk Assessment & Monitoring in the Straits of Malacca and Singapore (SOMS) were approved.

The workshops were held in Guangzhou, China , on March 18-23,2018, with 38 attendees.



# Part 2

## Contents



## Part 2 Contents



1

### Introduction

**National reports**

2

### Lectures

**Share experiences together**  
**Discuss several cases**

3

### Field Visits

**Visit MSA branches**  
**Visit oil spill response base**  
**Watch some demonstrations**



## Part 2 Contents-Introduction



- Overview of China Maritime Safety Administration
- National Report from Indonesia, Malaysia and Singapore
- Introduction on Oil Spill Risk and its Preparedness Strategy including Oil Monitoring Capacity Building in China



## Part 2 Contents-Lectures (for Workshop Oil Spill Risk Assessment)



- Techniques for preferable response to accidents involving spills of hazardous substances in the marine environment.
- Assessment of pollution risk and response during the accidents by 2 selected cases.

- Oil spill risk assessment methods, technologies and application
- Case study on the application of technical guidelines on environmental risk assessment of oil spill on waters





## Part 2

# Contents-Lectures For Workshop Oil Spill Monitoring



- Operational oil spill simulation and response support



- Principles and application of satellite remote sensing on oil spill monitoring

- The techniques of the detection of oil spill on water by airborne remote sensing;  
Application of unmanned helicopter in oil spill surveillance and monitoring

- The application of sensing and remote sensing technology to improve marine administration and emergency response

## Part 2 Contents-Technical visit in Huizhou

Huizhou  
MSA

Demonstration of the terminal/port  
oil spill monitoring and alarm system

Introduction to the shore-based oil spill  
detection radar under construction





## Part 2 Contents-Technical visit in Huizhou



Huizhou  
Oil Spill  
Response  
Base

➡ Embark on an oil recovery ship  
and learn more about  
the shipboard oil monitoring equipment

➡ Visit the stockpile of  
oil spill emergency response equipment



➡ On-site demonstration of the oil spill model of CNOOC







## Part 2 Contents-Technical visit in Zhongshan

Zhongshan  
MSA

**01** Demonstration of the SMART Maritime Platform.

**02** Demonstration of the CCTV oil monitoring system to which the ultraviolet fluorescence detection equipment is integrated.



## Part 2 Contents-Technical visit in Zhongshan



Demonstration of movable stockpile of oil spill emergency response equipment

Demonstration of oil spill monitoring equipment:

UAV, underwater robot, alarm buoy, tracking buoy and current kite.





## Part 2 Contents-Closing Ceremony



Closing remarks by  
each delegation

Exchange  
gifts



Awarding  
certificates of  
attendees







## Part 3

## Conclusion



# Positive outcomes



01

Advanced technology and good experience shared extensively

02

Capacity of oil spill response improved greatly

03

Cooperation and friendship enhanced further



**Thanks for watching**

If there's any question,  
don't hesitate to contact us.  
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