

# Logistics & The Blue Economy in the 21 Century

- The 21 Century
  - Environment
  - Safety
  - Audit
- Maritime Logistics
  - Shipping
  - Port

# Maritime Logistics & Blue Economy

- Shipping is a derived demand from Trade
  - Over 80% world trade and Thai trade depend on sea transport
- Ship facilitates TRADE
  - No trade -- No ship
  - No ship ----No Port

# Shipping

- Normal Business Operations
  - Oil spill
  - Cargo handling
  - Clean on board the ship
- **Supply Chain Risks**
  - **Pirates/ Terrorists**
  - **Natures**
- Accidents

# Port

- Normal Business Operations
  - ด้านกายภาพ
  - ด้านการปฏิบัติการ (Handling)
- **Supply Chain Risks: Pirates/ Terrorists & Natures**
- Accidents

# องค์กรระหว่างประเทศที่มีบทบาทหลักในเรื่อง Maritime Logistics & Blue Economy

- International Maritime Organization (IMO)
  - Safe Ship
  - Clean Ocean

**IMO** – the International Maritime Organization – is the United Nations specialized agency with responsibility for the safety and security of shipping and the prevention of marine and atmospheric pollution by ships. IMO's work supports the UN sustainable development goals.



# World Maritime Theme 2024: "Navigating the future: safety first!"

Maritime safety in an era of new technologies and alternative fuels central to IMO World Maritime Theme for 2024.

FIND OUT MORE >

TOP STORY



IMO At Glance

## HOT TOPICS

[VIEW ALL TOPICS >](#)



**IMO's work to cut GHG emissions from ships**

[READ MORE >](#)



**FAQ - EEXI and CII - ship carbon intensity and rating system**

[READ MORE >](#)



**World Maritime theme 2023**

[READ MORE >](#)



**FSO SAFER - operation underway to address oil spill risk**

[READ MORE >](#)



- The theme "**MARPOL at 50 – Our commitment goes on**" aims to promote further dialogue on the next phase of IMO's work to further enhance the sustainable use and protection of our planet and oceans in line with the UN 2030 Agenda for Sustainable Development and the 17 Sustainable Development Goals (SDGs).

\* the MARPOL Convention was adopted in 1973

**1** NO POVERTY



**2** ZERO HUNGER



**3** GOOD HEALTH AND WELL-BEING



**4** QUALITY EDUCATION




**5** GENDER EQUALITY




**6** CLEAN WATER AND SANITATION




**7** AFFORDABLE AND CLEAN ENERGY



**8** DECENT WORK AND ECONOMIC GROWTH



**9** INDUSTRY, INNOVATION AND INFRASTRUCTURE



**10** REDUCED INEQUALITIES



**11** SUSTAINABLE CITIES AND COMMUNITIES



**12** RESPONSIBLE CONSUMPTION AND PRODUCTION



**13** CLIMATE ACTION




**14** LIFE BELOW WATER



**15** LIFE ON LAND



**16** PEACE, JUSTICE AND STRONG INSTITUTIONS



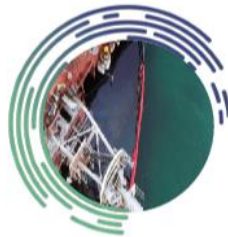
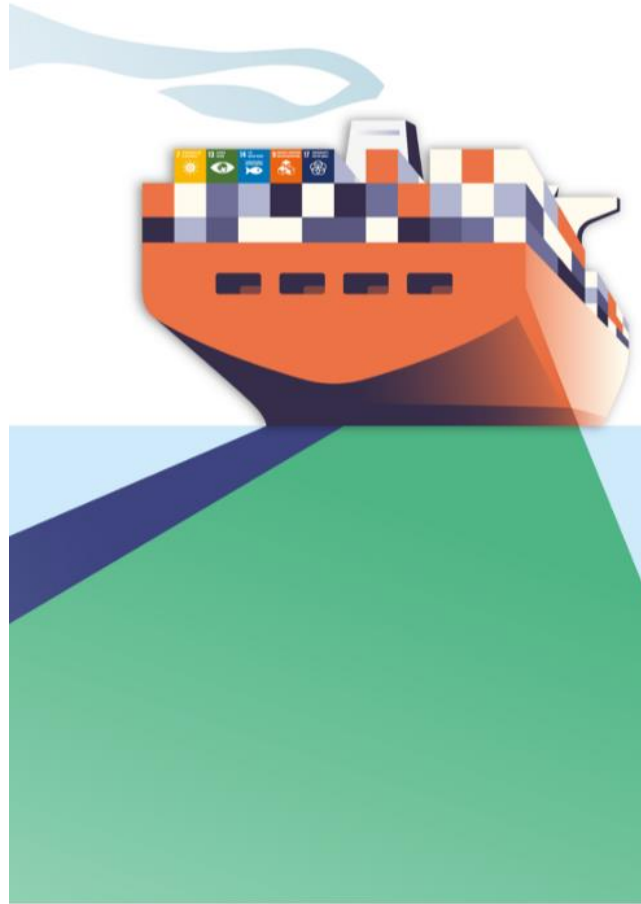
**17** PARTNERSHIPS FOR THE GOALS



**SUSTAINABLE DEVELOPMENT GOALS**

# How does IMO's marine protection treaty make a difference?

The International Convention for the Prevention of Pollution from Ships (MARPOL) contains six annexes:



## OIL

### ANNEX I

Prevention of Pollution by Oil  
(entered into force 2 October 1983)



## SEWAGE

### ANNEX IV

Prevention of Pollution by  
Sewage from Ships (entered into  
force 27 September 2003)



## NOXIOUS LIQUID SUBSTANCES

### ANNEX II

Control of Pollution by Noxious  
Liquid Substances in Bulk (entered  
into force 2 October 1983)



## GARBAGE

### ANNEX V

Prevention of Pollution  
by Garbage from Ships (entered  
into force 31 December 1988)



## HARMFUL SUBSTANCES

### ANNEX III

Prevention of Pollution by Harmful  
Substances Carried by Sea in  
Packaged Form (entered into  
force 1 July 1992)



## AIR

### ANNEX VI

Prevention of Air Pollution from Ships  
(entered into force 19 May 2005)



## Marine Environment

- ▾ Pollution Prevention
- ▾ Pollution Preparedness and Response
- ▾ Ballast Water Management
- ▾ Biofouling
  - Anti-fouling systems
- ▾ Ship Recycling
- Port Reception facilities
- Special Areas under MARPOL
- Particularly Sensitive Sea Areas
- ▾ London Convention and Protocol

# Marine Environment

[Home](#) → [Our Work](#) → Marine Environment



Shipping – which transports about 90% of global trade – is, statistically, the least

## Downloads



## Related Links

▶ [Index of IMO Resolutions](#)

# กฎหมายเกี่ยวกับความปลอดภัยของการเดินเรือ

- National Laws
  - พรบเดินเรือในน่านน้ำไทย 2456
- International Laws
  - IMO Conventions

# IMO Conventions

- International Convention for the Safety of Life at Sea (SOLAS)
- (International convention on Load Lines (Load Line))
- International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW)
- ....
- ....
- International Safety Management (ISM)
- **MARPOL (Maritime Pollution)**

# MARPOL

1. การป้องกันมลพิษจากน้ำมัน
2. การป้องกันมลพิษจากสารเคมีเหลวที่บรรทุกในระวาง
3. การป้องกันมลพิษจากสารอันตรายที่บรรจุหีบห่อ
4. การป้องกันมลพิษจากน้ำเสียของเรือ
5. การป้องกันมลพิษจากจากขยะของเรือ
6. การป้องกันมลพิษทางอากาศจากเรือ
7. การป้องกันมลพิษจากน้ำอับเฉาเรือ/น้ำถ่วงเรือ (**Ballast Water**)