



# Offshore Oil and Gas Safety and Security in the Asia Pacific

Lee Cordner

ARF ISM Maritime Security, Seoul, South Korea  
18-19 April, 2013



# References

## Key Reference:

Council for Security Cooperation in the Asia Pacific (CSCAP) <http://www.cscap.org/>

## ***Safety and Security of Offshore Oil and Gas Installations***

### **CSCAP MEMORANDUM NO. 16 January 2011**

<http://www.cscap.org/uploads/docs/Memorandums/CSCAP%20Memorandum%20No%2016%200--%20Safety%20and%20Security%20of%20Offshore%20Oil%20and%20Gas%20Installations.pdf>

## For Information:

*Offshore Oil and Gas Safety and Security in the Asia Pacific: The Need for Regional Approaches to Managing Risks*, RSIS Monograph No. 26, March 2013

<http://www.rsis.edu.sg/publications/monographs/Monograph26.pdf>

Contact Details: Lee Corder [lee.corder@adelaide.edu.au](mailto:lee.corder@adelaide.edu.au) +61 (0) 427 333 034

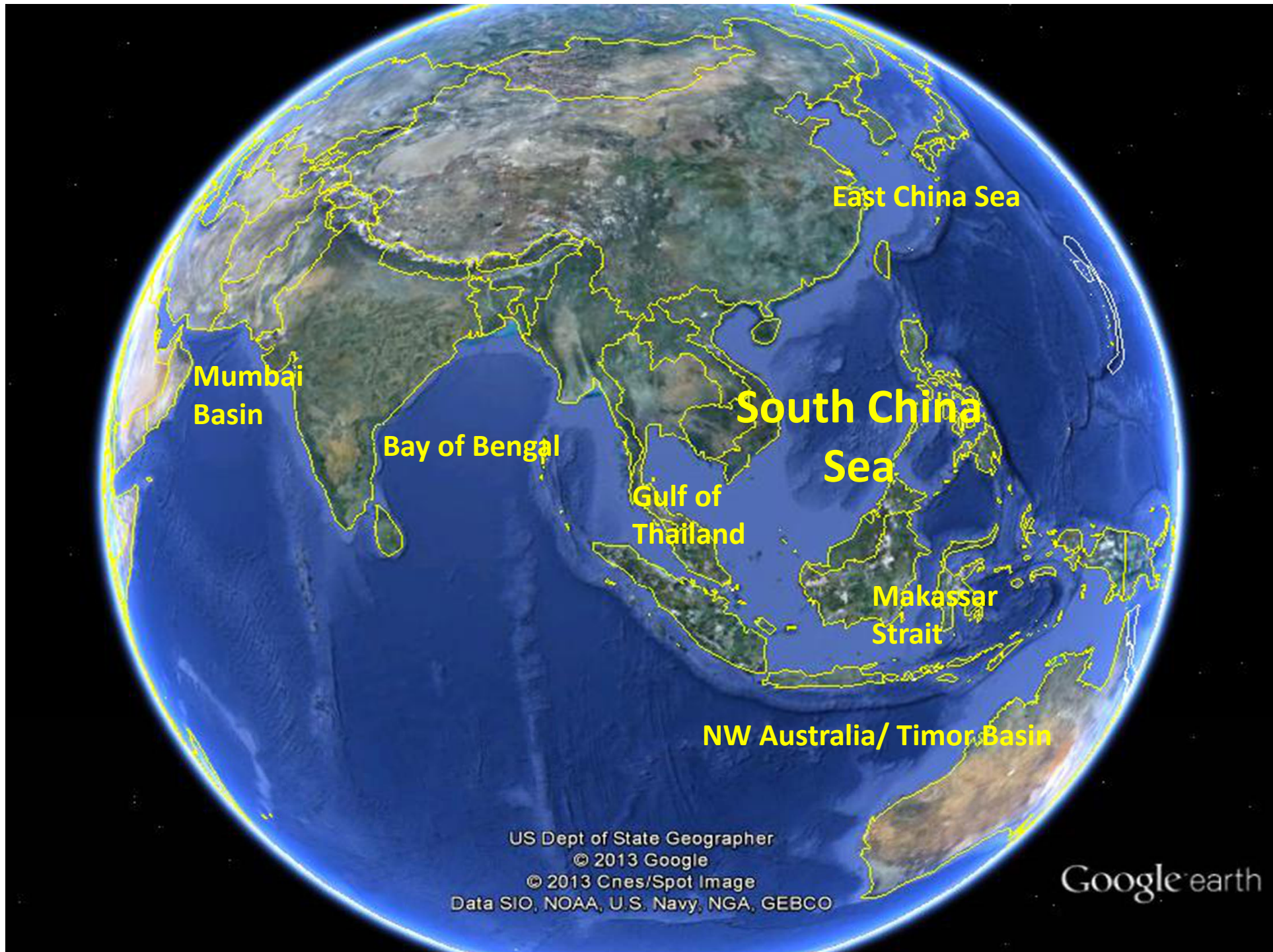
Indo-Pacific Governance Research Centre (IPGRC), University of Adelaide, Australia



# Background

- Massive expansion offshore oil & gas activity
- > 440 new oil & gas fields contracted
- Thousands exploratory wells
- > \$US 90 billion 2011-15 – 55% increase





**Mumbai  
Basin**

**Bay of Bengal**

**Gulf of  
Thailand**

**South China  
Sea**

**East China Sea**

**Makassar  
Strait**

**NW Australia/  
Timor Basin**

US Dept of State Geographer  
© 2013 Google  
© 2013 Cnes/Spot Image  
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Google earth

# Major Risks

- Increasing likelihood of major offshore incidents
- Consequences:
  - Economic - Financial
  - Security
  - Environmental
  - Food security
  - Human security
  - Energy security



# Hazards

- Human, technical & regulatory failures
  - *Deepwater Horizon, USA & West Atlas Montara, Australia*
- Security Incidents – terrorism, law & order at sea
- Maritime User Intensity – shipping, fishing & tourism
- Natural Hazards
  - Weather – typhoons & cyclones
  - Seismic events – earthquakes & tsunami
- Decommissioned installations



# Issues

- Rights & Responsibilities of states
- Regulation - government & industry partnerships
- Lack of regional cooperative arrangements
- Uneven adoption of international conventions
- Semi-enclosed seas
- Boundary delimitation & jurisdictional uncertainty



# Recommendations

1. Establish ARF Working Group on OOG Safety and Security
  - Risk Management
  - Best practice – government & industry
  - Maritime safety & security
  - Disaster response & emergency management
  - Search & rescue



# Recommendations

2. Understand RISKS & vulnerabilities
  - *ISO 31000:2009 Risk Management*
  - Consistent Approach
  - Regional Assessment – Establish Baseline
  - Risk treatment, prevention, response & recovery, plans & arrangements



# Recommendations

## 3. ARF Working Group

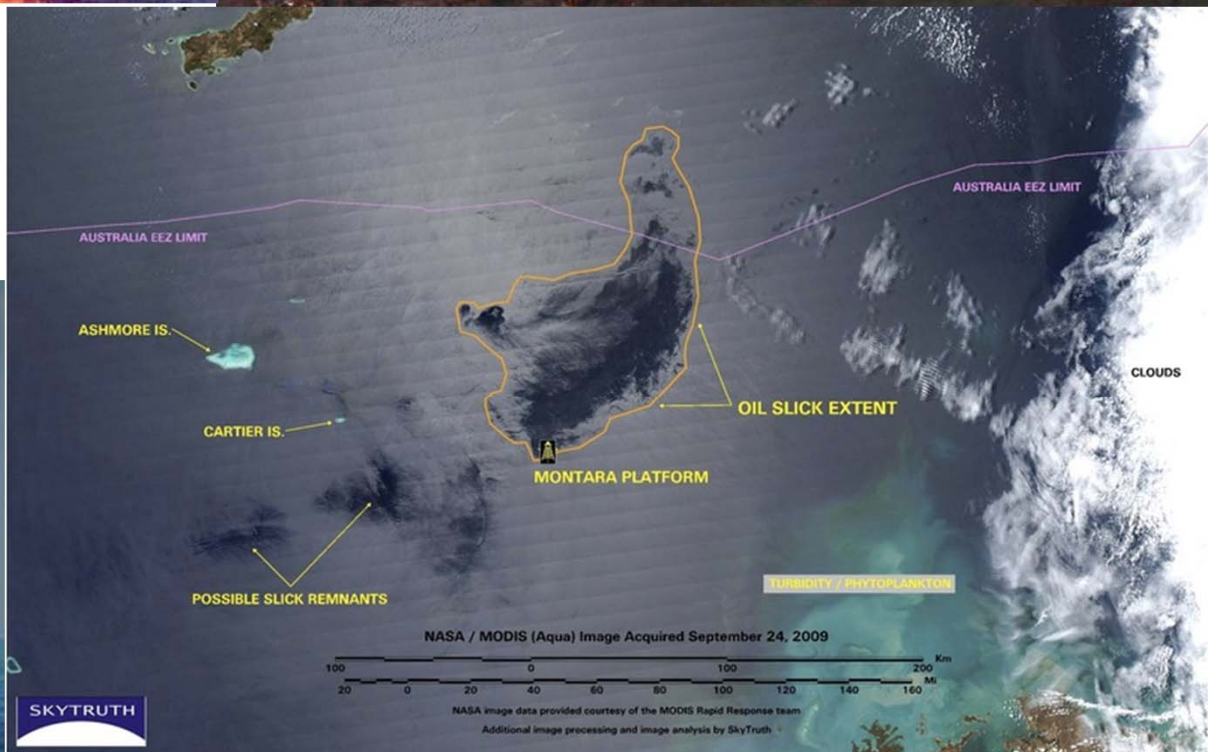
- Environmental protection
  - Share scientific information
  - Decommissioned installations
  - Develop regional marine pollution & environmental agreements
    - UNCLOS articles 122 & 123
    - Mediterranean, Persian Gulf, Baltic, North Sea etc



# Recommendations

4. Encourage regional governments
  - Embrace international conventions, protocols, codes, resolutions
  - Cooperative arrangements
  - Consistent approaches
5. Encourage regional, government & industry cooperation - partnerships
  - Understand responsibilities
  - Establish codes of conduct





*Deepwater Horizon* National Commission report to US President :  
“With the benefit of hindsight, the only question had become not whether an accident would happen, but when.’

*Montara* Commissioner, report to Australian Government:  
“What happened ... was an accident waiting to happen”

“an uncomfortable conclusion...offshore oil & gas disasters in the Asia Pacific are inevitable. The only questions that remain to be answered are where, when & what the scale of the disasters will be, & how effective response and recovery arrangements will prove to be.”



# Offshore Oil and Gas Safety and Security in the Asia Pacific

- Urgent cooperative action needed
- ARF can play a leading role
- Regional governments responsible

Questions & Comments?

