

**UK RESPONSE READINESS**



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**Environmental Issue Director**

# What we do...



**Raise the profile of the UK offshore oil and gas industry**



**Promote open dialogue within and across all sectors of the industry**



**Develop and deliver industry wide initiatives and programmes**



**Engage with government and other external organisations with a stake in the industry**



# Oil & Gas UK Members 2012



# UK RESPONSE TO MACONDO

## Oil Spill Prevention and Response Advisory Group

- To review UKCS regulation
- To review UKCS arrangements for oil spill prevention and response
- To assess the adequacy of financial provisions for UKCS response
- To monitor, review and implement pertinent recommendations from Deepwater Horizon

# OSPRAAG Steering Group Composition



(Observer)

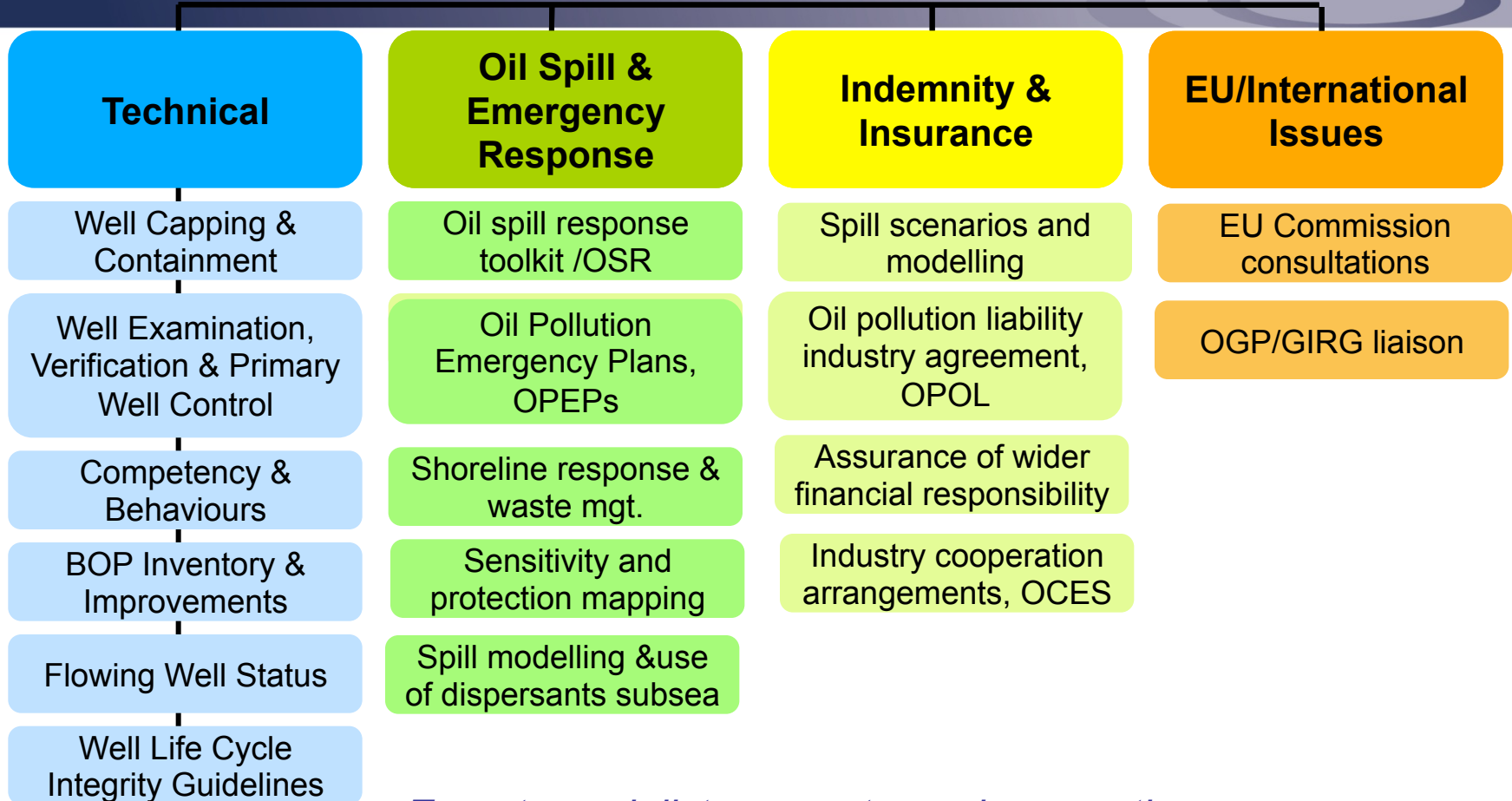


**CNR International**



# OSP RAG

Oil Spill Prevention and Response Advisory Group



*Expert specialist groups to: review practices, assess response readiness & recommend improvements*

# RESULTS OF THE OSPRAG REVIEW REGULATIONS

- Regulatory regimes on the UKCS, both safety and environmental, are robust and fit for purpose



# RESULTS OF THE OSPRAG REVIEW

## FINANCIAL RESPONSIBILITY

- Current OPOL limit of \$250 million remains appropriate
- Small number of wells likely to require additional financial responsibility above OPOL limit



# RESULTS OF THE OSPRAG REVIEW OIL SPILL RESPONSE

- The core response strategy for the UK of surveillance and use of dispersants, where required, remains valid

# RESULTS OF THE OSPRAG REVIEW

## NEW CONCEPTS FOR UKCS

- Industry must be self sufficient in the provision of spill response resources
- ‘Toolkit’ of response options for a worst case scenario
- Escalation mechanisms for the provision of spill response resources

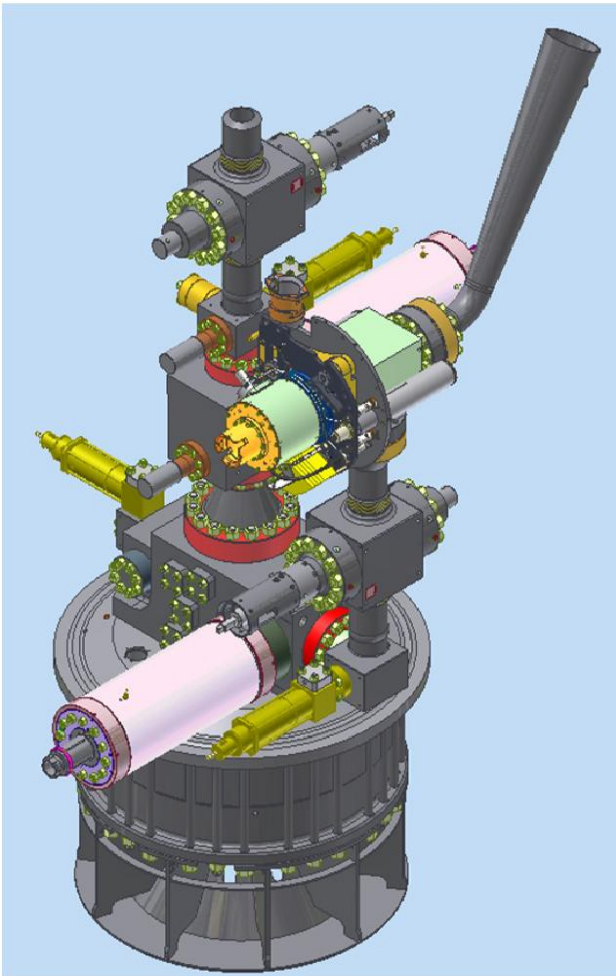
# REVIEW OF SELF SUFFICIENCY

- Response equipment, deployment vessels and aircraft – *sufficient*
- Dispersant stockpiles – *not sufficient*
- Competent response personnel – *sufficient other than for a sustained event*

# RESPONSE TOOLKIT



# OSPRAG Capping Device



- 15,000psi rated equipment throughout
- Modular design, low weight (~38 tonnes); transportable
- 250 deg F temp rating
- Water depth > 3048m
- Handle 75,000bbls/day of fluids
- Configured for H2S service
- 5" vertical through bore
- Wire and drill pipe deployable;
- Multiple chemical injection & p/t sensing points
- 1 year continuous immersion on any single application
- 20 year design life



# OSPRAG Capping Device



# Aerial Surveillance





# Subsea Dispersant



# Vessel Dispersant Offshore



# Mechanical Recovery Offshore





# In-situ Burning





# Aerial Dispersant Offshore



# Aircraft Dispersant Near shore





# Containment and Recovery Near shore





# Using Local Vessels of Opportunity



# Vessel Dispersant Nearshore



# Shoreline Protection





# Waste Disposal



# TOOLKIT STATUS



OSPRAG Capping Device

3<sup>rd</sup> Party Cap

Relief Well

Aerial Surveillance

Subsea Dispersant - Safety

Subsea Dispersant -  
Environment

Vessel Dispersant Offshore

Mechanical Recovery Offshore

In-situ Burning

Aircraft Dispersant Offshore

Aircraft Dispersant Nearshore

Vessel Dispersant Nearshore

Mechanical Recovery Nearshore

Shoreline Protection

Waste Disposal

# RESULTS OF THE OSPRAG REVIEW

## ESCALATION MECHANISMS

- Response equipment – *readily obtainable from global resources*
- Dispersants – *readily obtainable from global resources and UK manufacturers*
- Competent responders – *escalation mechanism required*

# What has changed post Macondo?

- Perception of risk
  - Worst case scenarios
  - Financial responsibility
- Public scrutiny
- Prevention and response capability strengthened
- Need to avoid complacency

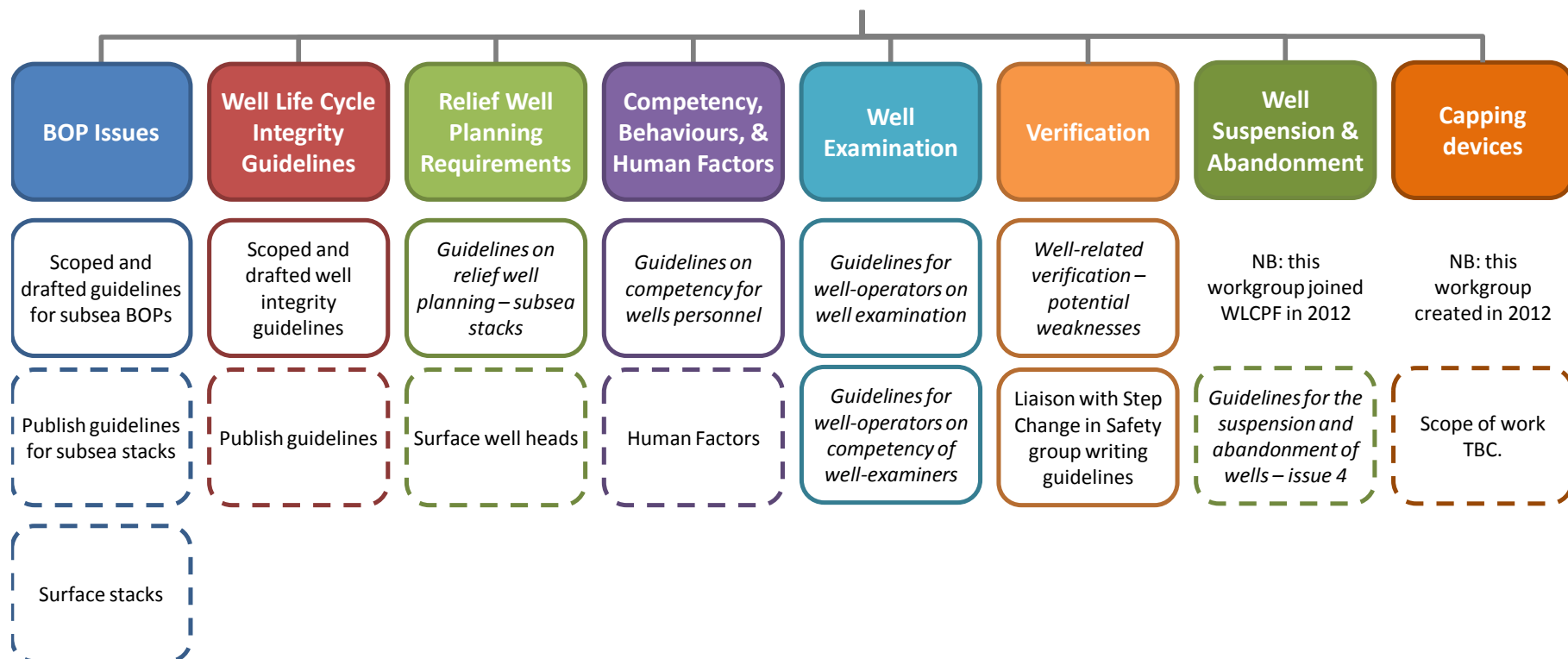


# Oil & Gas UK

## Well Life Cycle Practices Forum

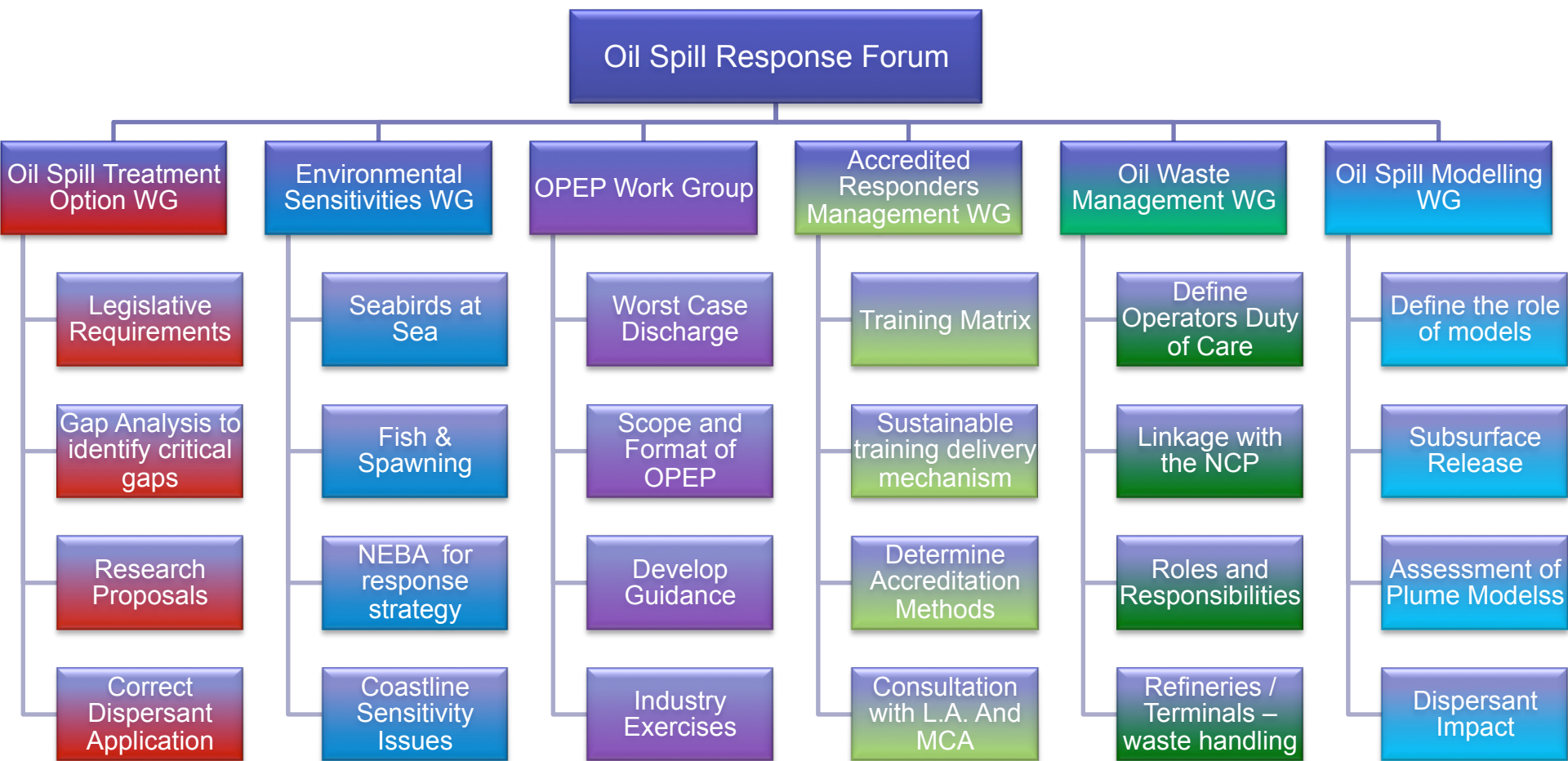
Work completed in 2011

Work planned for 2012



# Oil & Gas UK

## Oil Spill Response Forum



# Review of UK Spill Response Strategy

## Conclusion

The UK response strategy and capability is essentially robust and can respond effectively to offshore spills that are likely to be encountered. The response to a low probability, sustained release of oil can be enhanced by enabling a 'toolkit' of response techniques that can be applied, where conditions are favourable, to mitigate potential environmental and socio-economic impacts.

As a result of OSPRAG's work, this oil spill toolkit has been substantially enhanced and gaps in knowledge and uncertainties, particularly the use of dispersants subsea and some elements of shoreline response, have been identified and work to address these is underway.