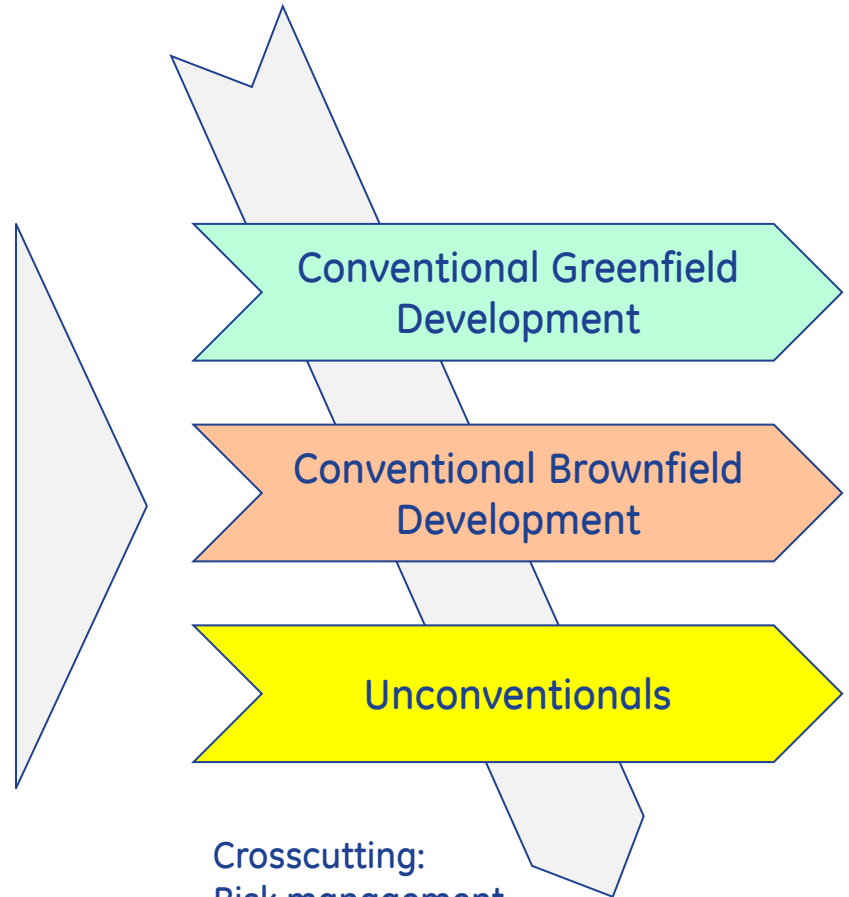
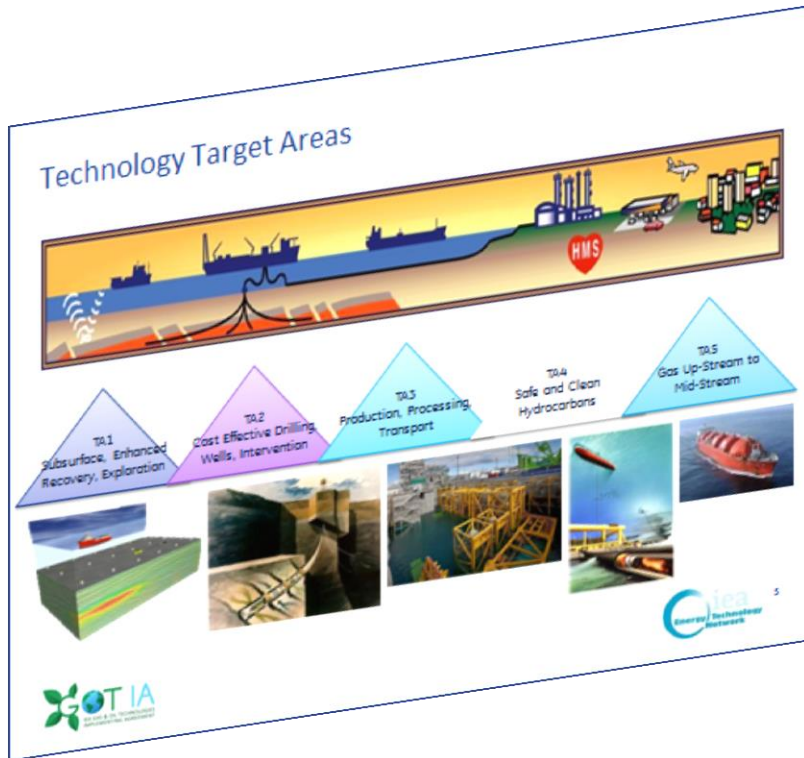
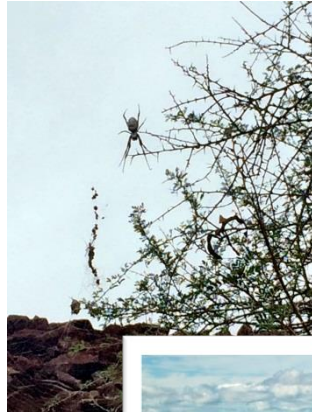


GOT Workshops –  
 Florence (Apr'14) > Rio (Sep'14) > WDC (Oct'14) > Colorado (Oct'14)  
 > Perth (Apr'15)



Crosscutting:  
 Risk management  
 Regulations and standards;  
 documentation, processes, technology,  
 interfaces, regulations  
 Innovation; Technology, collaboration,  
 regulations, big data  
 Cost efficiency; cost benefit, life cycle cost

# Karratha LNG Tour



*For comparison: Snøhvit LNG,  
Hammerfest, Norway  
Subsea to Beach (160 km)*

# Wrapup of Roundtable – RECAP Day 2 @ UWA

## Offshore Greenfield Gas To Market (Torgeir)

- TNO. Earthquakes in Holland – surprising. Social license to operators. Brownfield issues – ageing infrastructure
- Woodside. LNG. Building on strong partners – key to success
- Fab in South Korea – must control supply chain. (ENI – Goliat stuck with “details”)
- Subsea compression – key to new subsea to beach architecture.

## Progress since Montara/Macondo (Cam)

- License to operate: Essential to achieve more technology advancement
- Compliance with efficient and effective standards = good risk mngt. Need a smart approach with flexibility to be adopted to local conditions.
- Must look at how regulator and operators can work together to apply new technology in a regulatory framework – will be picked up in a future study in GOT.

## Cost reduction (Simon)

- Key drivers and opportunities for early collaboration (FMC+Technip)
- Standards, repeatability in manufacturing, design, documentation
- Design of facilities to remove people. Take subsea philosophy to topsides

# Costs gone up by 3-4x over last 10 years

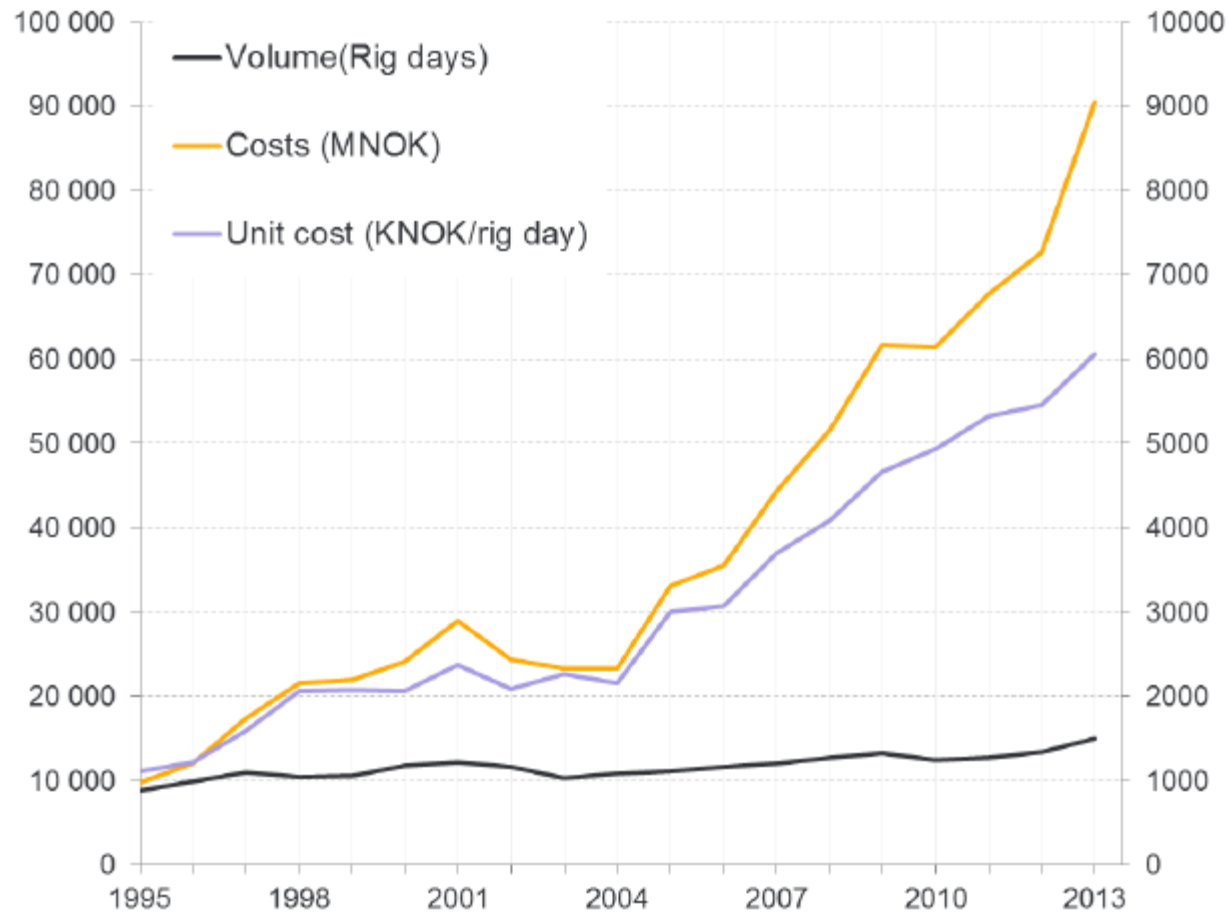


Figure 2: Historical comparison of cost, unit cost and volume on the NCS