



Oil & Gas  
Authority



# SNS Rejuvenation Specialist Interest Group Terms of Reference (Rev 3.1)

# SNS Rejuvenation

## Special Interest Group Foreword

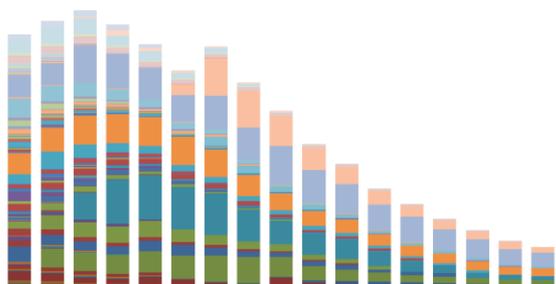
- The Southern North Sea is at a critical juncture. For over 50 years, the basin has developed and delivered strong gas production through a diverse network of offshore platforms, pipelines and onshore terminals. The basin has been well exploited and the opportunity to identify and develop large “landmark” discoveries is increasingly limited.
- Nonetheless, significant potential remains within the basin. However, these remaining opportunities are predominantly characterised as marginal pools and tight gas. They are increasingly expensive and complex to access. Both technical and commercial risks are high and opportunities can be quickly disregarded as uneconomic.
- The challenge for the Southern North Sea is now to harness this remaining potential by searching for innovative business and technical solutions. This challenge is set against a back drop of depressed commodity prices, ageing infrastructure and increasing unit transportation costs, as production from existing developments continues to decline.



# Southern North Sea context

## Production

### Daily production



2014

2030

Decline partly offset by on-going investment

\$1.4 bn sanctioned spend (\*)

\$2 bn unsanctioned spend

(\*) includes 2016 activity spend

## Significant potential

**3.7**  
tcf

Remaining from current assets

**2.9**  
tcf

From further drilling in current fields

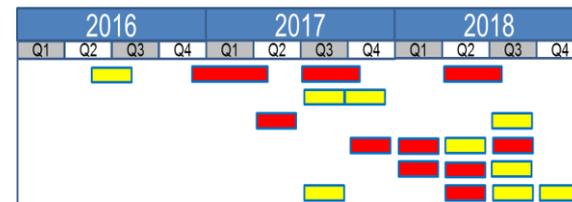
**2.5**  
tcf

Undeveloped discoveries (risky)

**YTF**

## Exploration

### SNS E&A drilling plans



 Exploration  Appraisal

OGA working closely with licence holders

Still a lot to play for

## Rejuvenation Special Interest Group

50 years of production

Diverse network of infrastructure

SNS at critical juncture

**Our goal: working together towards MER UK and to mobilise the capabilities of the local supply chain**



### SNS focus

- Influence & promote E & A activity
- Support small pool developments
- Tight gas collaboration across the basin
- Deliver major developments
- Gas to wire opportunities
- Efficient decommissioning

## Tight gas

- 3.8 tcf tight gas opportunity
- Significant opportunity for collaboration
- Current drilling costs barrier to development
- Technology levers

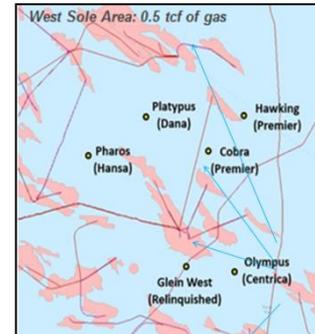
## Technology



## Small pools

- 1.8 tcf small pool opportunity
- Economies of scale through clusters
- Consolidation and alignment of licences
- Technology opportunity

## Creating alignment



*"Centrica supports collaboration in the West Sole Area as an opportunity not just to develop the Olympus discovery, but also to enhance recovery from the area."*

centrica

PremierOil

dana  
PETROLEUM

PERENCO

hansa  
HYDROCARBONS

# SIG Terms of Reference

## Working with EEEGR

- Commitment and support
- Alignment with OGA's strategic priorities
- Mobilising the local supply chain
- Promoting the right behaviours

**Skills**for  
**Energy**  
EAST OF ENGLAND

**NEWANGLIA**  
Local Enterprise Partnership  
for Norfolk and Suffolk

## Promoting the right behaviours

**Strong  
leadership**



The goal of the SNS Rejuvenation Special Interest Group is to align OGA's strategic priorities for the Southern North Sea with that of EEEGR's members and thereafter mobilise the capabilities of the local supply chain.

The key objectives of the SNS Rejuvenation SIG include:

- a) Highlight the challenges and opportunities faced by the Southern North Sea, drawing on analysis and insights derived from the OGA and the SIG members.
- b) Identify and commission a limited and focussed number of Work Groups which promote the on-going development of the SNS, consistent with OGA's priorities.
- c) Support and resource the Work Groups to deliver on their agreed scopes of work and deliverables, providing constructive challenge and direction as appropriate.
- d) Ensure that the priorities and activities of the SIG are aligned with that of the OGA Task Forces and OGUK Efficiency Task Force.
- e) Promote cross-industry and cross-border collaboration within the SNS, with particular focus on Renewables and the Dutch sector respectively.
- f) Promote the work of the SIG through EEEGR's communication channels and calendar of annual events.

**Significant potential remains**

# Participants and partners



# Steering Group members



On the basis of wishing to drive the SIG forward the steering group selected three initial work groups based on the following criteria:

- Likely to have a big impact
- Reasonable chance of success
- Achievable / demonstrable outcomes within a reasonable timescale

## Initial work groups

Tight Gas Developments in the Southern North Sea – How to Unlock Potential

Kathy Heller Shell (focal point)  
Fraser Weir Centrica  
Julian Manning Baker Hughes  
Kevin Yule Premier Oil  
Nick Ford Fraser Well Management

Synergies and Opportunities Between Renewables and E&P Sectors in the Southern North Sea

Rob Hastings Indigo (focal point)  
Jeff Barnes ODE  
John Best/ Martin Sisley JFMS  
Paul Thomson Sembmarine SLP  
Phil Edwards Lloyds Register

Transfer of Best Practice Between the UK Sector and Dutch Sector in the Southern North Sea

Theo Bergers Oranje-Nassau Energie (ONE) (focal point)  
Fraser Weir Centrica  
Kevin Yule Premier Oil  
Paul Thomson Sembmarine SLP