

OG21-study on low-emission technologies Workshop June 13 Agenda & approach

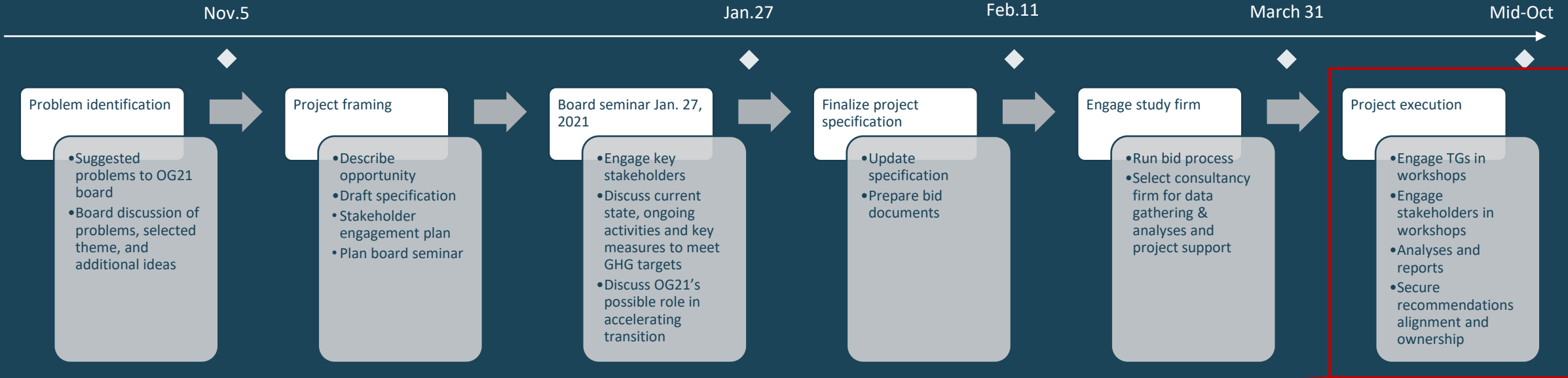
Last saved: June 7, 2022



Agenda

09:00	Welcome and information – Gunnar H. Lille, OG21
09:10	Opening – Espen Kjærgård, Norwegian Ministry of Petroleum and Energy
09:20	Presentations from external groups: <ul style="list-style-type: none">• Norsk Industri – Knut Erik Steen. 15 min• Statnett – power market, grids and development plans – Bente Monica Håland, 15 min• Low Emission Center Sintef, Malin Torsæter, 15 min
10:00	Break
10:10	DNV presentation of pre-read – Frida Berglund
10:40	Group work methodology - Gunnar H. Lille
10:50	Group session 1 (40 mins)
11:30	Lunch break
12:00	Group session 2 (40 mins)
12:40	Break
12:50	Group session 3 (40 mins)
13:30	Break
13:40	Group session 4 (40 mins)
14:20	Break and preparations of topics reports
14:45	Topics report presentations, 4x15 minutes
15:45	Workshop summary and next steps
16:00	End of workshop

Project time schedule

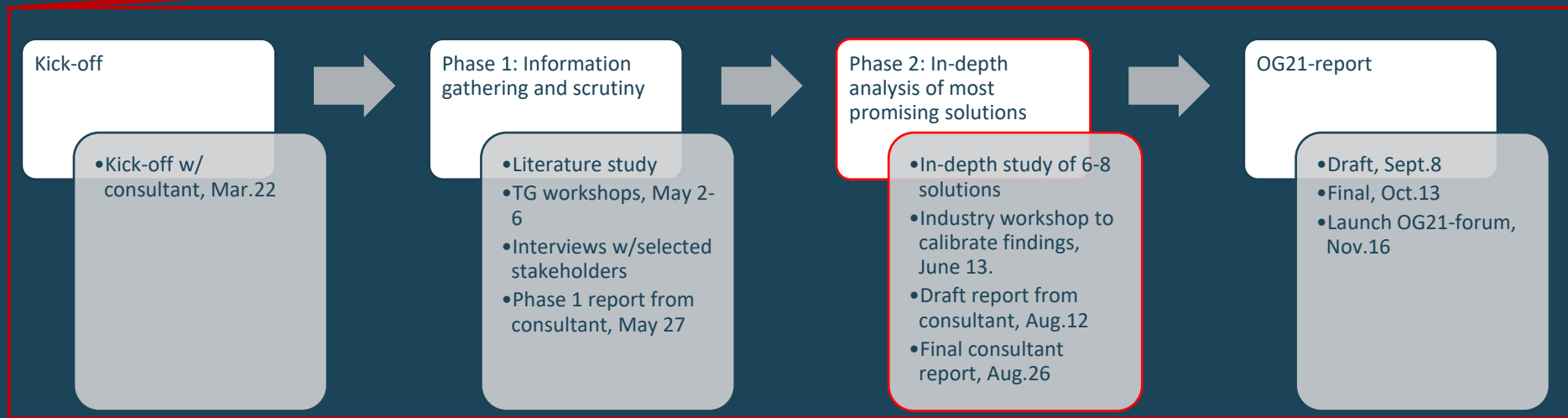


TG-workshops:

- TG1: May 5, 12-15 h
- TG2: May 3, 12-15 h
- TG3: May 4, 12-15 h
- TG4: May 2, 12-15 h
- TG5: May 5, 9-11:30 h

Industry workshop:

- June 13



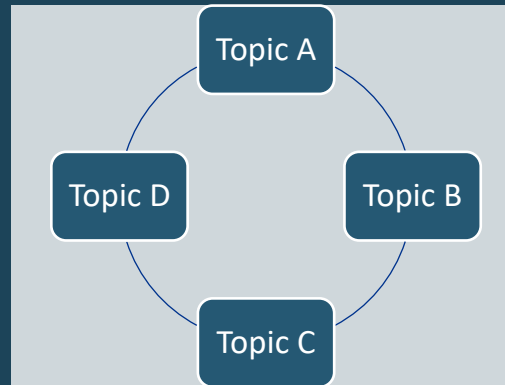
OG21-workshop June 13, 9 a.m.-4 p.m., Purpose, Approach, Use of results

Purpose:

- Discuss preliminary findings in DNV study.
- Provide input to further mature findings.

Pre-reads:

1. OG21:
 - Agenda and approach.
 - Meeting logistics.
2. DNV:
 - Relevant parts of the Phase 1 report



Approach:

- 4 topics split on 4 tables.
- Facilitator and scribe for each table.
- Topic sessions – 40 min. Repeated 4 times with new groups each time.
- Each table's results refined from one session to next.
- Summary reports from each topic after last session.

Use of results:

- Finalize DNV report.
- Input to OG21 report.

Topics to be discussed in workshop

1

Electrification: From shore, electrical power hubs, offshore wind:
Topic leader: Inge Brandsæter
Scribe: DNV rep.

Key questions:

- Solutions that reduce demand on onshore grid and power supply?
- Scaling of solutions by 2030?
- Main barriers and drivers?
- Incentives for industry development?
- Measures to accelerate implementation, scale faster, and reduce costs?

2

Gas power with CCS: offshore hub, installation specific, onshore :
Topic leader: Ying Guo
Scribe: DNV rep.

Key questions:

- Which solutions could be effectful before 2030?
- Scaling of solutions by 2030?
- Main barriers and drivers?
- Incentives for industry development?
- Measures to accelerate implementation, scale faster, and reduce costs?

3

Energy efficiency with emphasis on water management. :
Topic leader: Jan Roger
Scribe: DNV rep.

Key questions:

- Which are the most important measures in terms of GHG emissions?
- Scaling of solutions by 2030?
- Main barriers and drivers?
- Incentives for industry development?
- Measures to accelerate implementation, scale faster, and reduce costs?

4

Reduction of scope 3 emissions: CCS, blue hydrogen, industry development :
Topic leader: Trine Boyer
Scribe: DNV rep.

Key questions:

- Solutions that reduce demand on onshore grid and power supply?
- Scaling of solutions by 2030?
- Main barriers and drivers?
- Incentives for industry development?
- Measures to accelerate implementation, scale faster, and reduce costs?

Information to support discussions in pre-read from DNV.

The background of the image is a photograph of ocean waves. The water is a deep, dark blue, and the waves are breaking, creating white foam and spray. The perspective is from a slightly elevated position, looking down at the water. The overall tone is somewhat desaturated, giving it a professional and serene feel.

OG21