



NORWEGIAN MINISTRY
OF PETROLEUM AND ENERGY

Experience in managing pre-competitive exploration, leasing and subsurface conflicts

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Paris 20 June 2013

Transportation and storage of CO₂

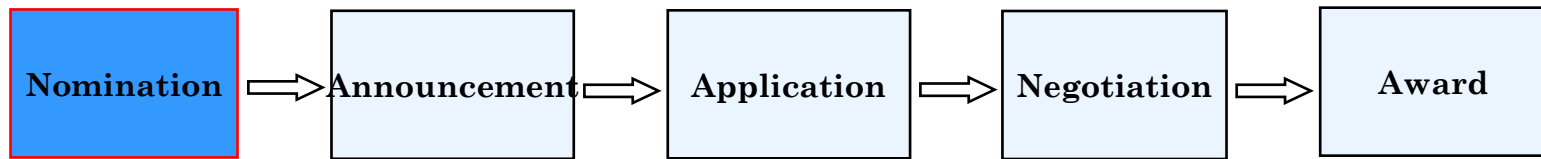
- **In Norway, transportation by pipeline for permanent storage in a subsea geological formation on the continental shelf is currently the only feasible solution for storage of CO₂ from industrial plants onshore**
- **Storage of CO₂ is only feasible on the continental shelf – for geological reasons**
- **Reservoirs on the continental shelf for storage of CO₂ are natural resources owned by the State**



National regulation of CCS

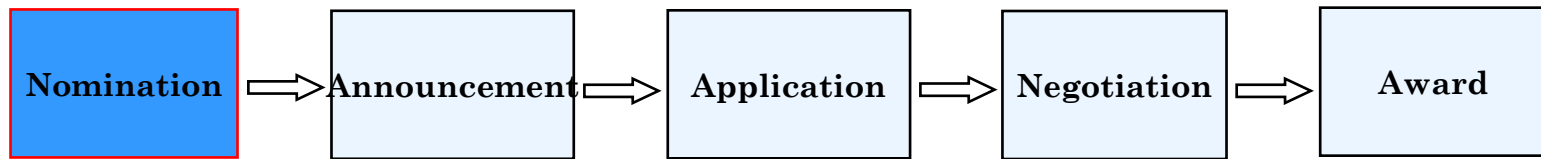
- **Directive 2009/31/EC entered into force for the EEA countries on 1 June 2013**
- **Norway will lay down two new sets of regulations on transportation and storage of CO₂ on the continental shelf:**
 - **Ministry of Petroleum and Energy/Ministry of Labour: Resource management + HSE**
 - **Ministry of Environment: Environmentally safe storage of CO₂**

The licensing procedure - nomination



- **Administrative practice in relation to Norwegian petroleum activities – not a legal obligation – will be applied in relation to CCs activities as well**
- **Invitation to eligible (oil) companies to recommend blocks to be announced in the invitation to apply for blocks for storage of CO₂**
- **Advisory – not binding on the Ministry or the company**
- **No obligation on the company to apply for blocks nominated**
- **Nomination is no condition for subsequent application and award**
- **Nominated blocks are termed “interesting” and “very interesting”**

Nomination



- **17 June 2011: All oil companies active in Norway invited to nominate blocks in the North Sea and Norwegian Sea for storage of CO₂**
- **Condition: Nominated areas must not conflict with areas that could contain oil and gas**
- **Seismic data available from spec seismic surveys**
- **Nomination closed on 4 October 2011**
- **Proposals/responses from several oil companies**

Area use - conflicts

- **The Ministry may, in specific cases, grant to someone other than the licensee the right to carry out exploration in an area covered by an exploration licence or a licence for the exploitation of a reservoir for storage of CO₂**
- **The Ministry determines the kind of exploration that may be carried out and the duration of the activities**
- **A licensee cannot oppose the laying of pipelines, cables or wires of various kinds, or the placing of other facilities on, in or above the area covered by a licence for the exploitation of a reservoir for storage of CO₂**
- **Such facilities must not cause unreasonable inconvenience to the licensee**

Area use - conflicts

- **An exploration licence or a licence for the exploitation of a reservoir for storage of CO₂ does not preclude the granting to others than the licensee of rights to undertake exploration for and production of other natural resources, provided that it does not cause unreasonable inconvenience to the CCS activities conducted by a licensee pursuant to the licence. The same applies to scientific research**
- **Discovery of other natural resources: The King to decide which of the activities shall be postponed, and, as appropriate, to what extent**
- **Licence period to be extended correspondingly**



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Thank you for your attention!