

7th October 2020

SEMINAR INVITATION: OCEAN SPACE ENVIRONMENTAL RISK AND IMPACT ASSESSMENT

Environmental risk and impact assessment applications have over the past decades proven to be powerful tools in environmental management for industrial and other use of the Ocean space. The DREAM (Dynamic Risk and Effects Assessment Model) is widely applied for environmental risk assessment of discharges of produced water and drilling waste to sea and is accepted as a management tool by the OSPAR countries.

Lately, risk assessment with models like DREAM has found new applications in other ocean-based industries, like the mining and aquaculture sector. In a situation where the ocean is subject to multiple anthropogenic stressors, due to geographically overlapping industrial activities, we see the potential and need for developing existing risk assessment tools further. To meet the challenge of sustainable development of the ocean space, future risk and impact assessment must account for multiple environmental stressors, seasonal variations, and the cumulative effect of these factors.

The purpose of the seminar is to start building a platform for such development. We will address three of the most important industrial sectors in the Norwegian ocean space: petroleum, aquaculture and mining. Our ambition is to establish a common understanding for future environmental risk based management by sharing experience and knowledge within risk and impact assessment from the different sectors.

Registration

PRACTICAL INFO AND REGISTRATION

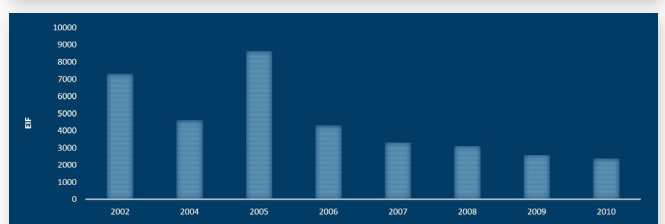
- Date: 7 October 2020
- Where: Trondheim
- Venue: Britannia Hotel
- Time: 09:00-17:00
- Price: NOK 850,- ex VAT

Please register before 1st September 2020.

Discounted hotel prices are available before 1 Sept 2020. Please contact Britannia Hotel, 73 80 08 00 or contact@britannia.no.

Booking code: [SintefInd150420.kk](https://www.sintef.no/osriaseminar)

Price: NOK 1850,- superior single room.



Summed environmental risk 2002 – 2010 for produced water discharges from all Statoil operated fields on the Norwegian Continental Shelf, represented by EIF, a model tool for environmental risk management.

Program 7 October 2020

Time	Title	Speaker
08:00	Registration	
09:00	Opening session/Welcome/HSE	Gunvor Øie, SINTEF Ocean
09:15	Environmental risk and cumulative effects assessment to guide marine management	GerJan Piet, Wageningen Marine Research, WMR
09:45	Future requirements and regulations in the Norwegian ocean space	Ann Mari Vik Gren, Miljødirektoratet
10:15	Environmental Risk Assessment in the Oil and Gas Industry - A Global Perspective	Mathijs Smit Shell/IOGP
10:45	Coffee break	
11:15	Environmental management in mining operations	Kari Moen, Omya Hustadmarmor
11:45	Knowledge base management of the aquaculture industry in 2030	Jon Arne Grøttum, Sjømat Norge
12:20	Produced water management in the Norwegian sector, 2000 - 2020	Tone Frost, Equinor
12:40	Produced water management in the UK sector	Sean Hayes, More Energy, UK
13:00	Lunch	
14:00	Applications of Environmental Risk Assessment in Aquaculture	Salve Dahle, Akvaplan-niva
14:20	Applications of Environmental Risk Assessment in the mining industry	Tor Jensen, DNV GL
14:40	Towards area and discharge specific impact assessment	Raymond Nepstad, SINTEF Ocean
15:00	Dynamic Risk and Impact Assessment Model - the new DREAM	Petter Rønningen, SINTEF Ocean
15:20	Coffee break	
15:50	<p>Panel debate: Future needs, developments and trends. Transfer of experience between industrial sectors. Cross disciplinary approaches?</p> <p>Participants:</p> <ul style="list-style-type: none"> • Thorsten Kiefer, EU JPI Oceans • Jon Arne Grøttum, Sjømat Norge • Kari Moen, Omya Hustadmarmor • Ann Mari Vik Gren, Miljødirektoratet • Mathijs Smit, Shell/IOGP • Ute Brønner, SINTEF Ocean 	Hans Bjelland, SINTEF Ocean
16:50	Summing up - closing remarks	Ståle Johnsen, SINTEF Ocean
17:00	End	