

GCE Ocean Technology Subsea Innovation Day 2019

CEO Owe Hagesæther ■ ■ ■ ■ ■

The Cluster Map



PARTNERS

Industry



R&D



Development Contributors



MEMBERS



Supported by



Cluster Relations

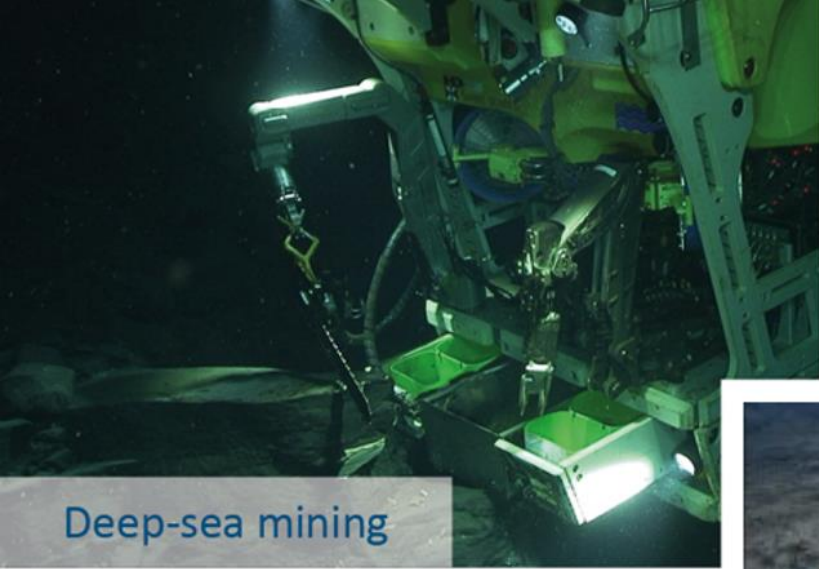


National Relations



International Relations

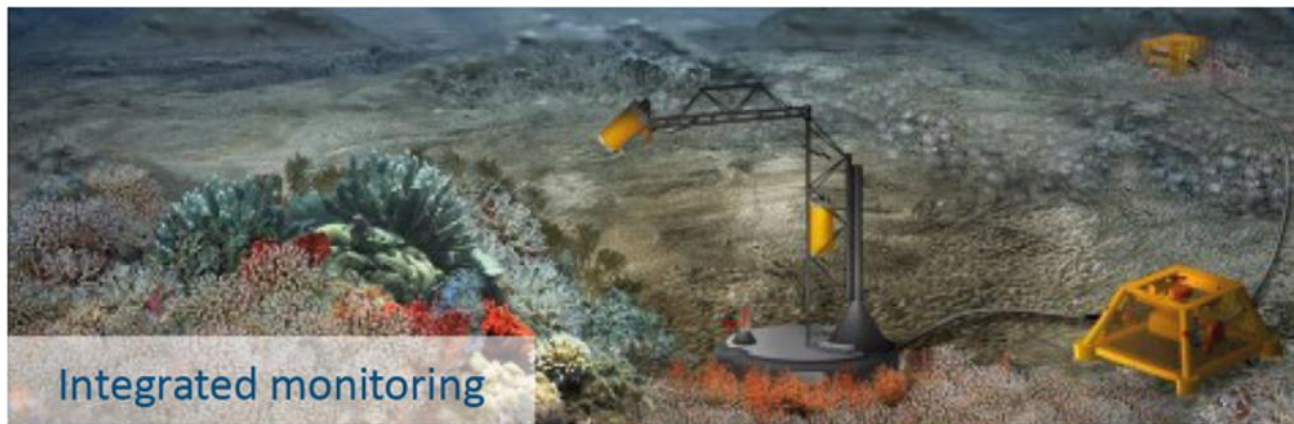




Deep-sea mining



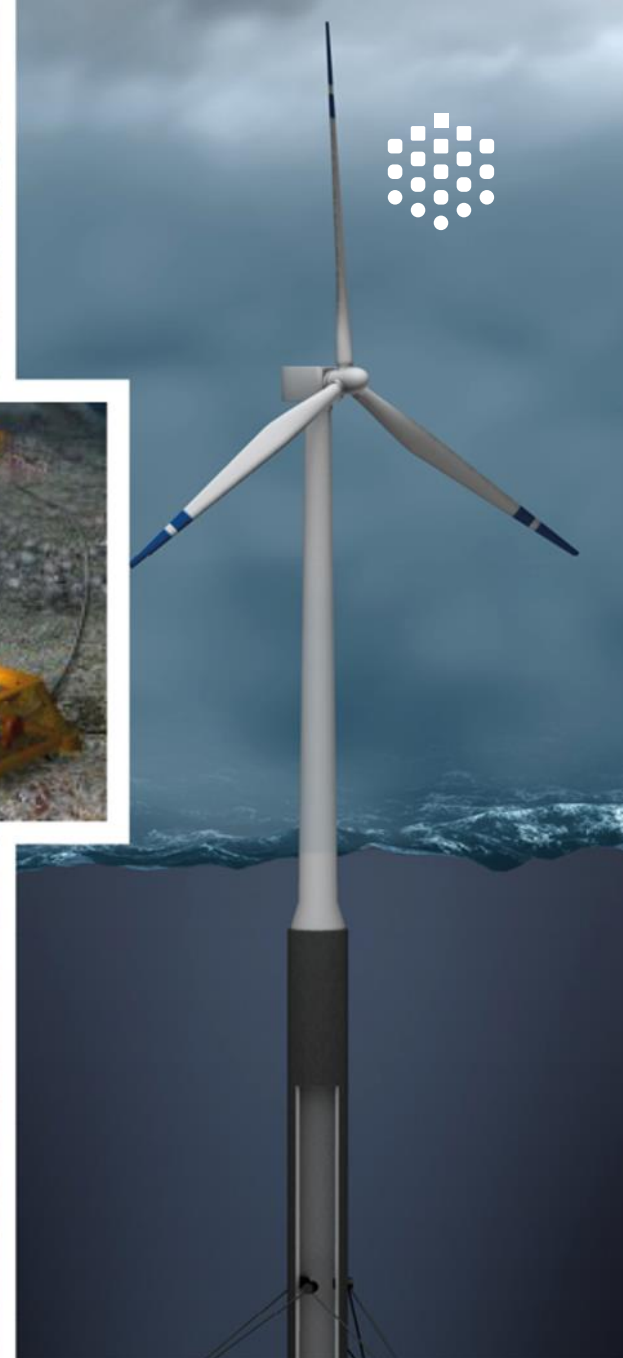
Marine food production



Integrated monitoring



Subsea Factory



Offshore renewable energy

POTENTIAL

Double Value Creation
From Ocean Industries

CHALLENGE

Sustainable Value Creation,
UN and Paris Agreement

STRATEGIC FOCUS AREAS



Market

- Ocean Industries: Oil and Gas
- Offshore Renewable Energy
- Marine Minerals and Seafood



Competence and
Infrastructure



Technology



Entrepreneurship and
Business Development



Digitalisation and Supply
Chain Development

IMPLEMENTATION CAPABILITY: The Cluster and 5-Stakeholder Model

Kurs i innovasjonsarbeid

Hvordan tilrettelegge for å arbeide målrettet og effektivt med innovasjon.

27. September 2019, 08:00 - 12:00

Vitensenteret i Thormøhlens gate 51, Bergen

27
SEP

Kurs i smidig teknologiutvikling

Dette kurset vil blant annet gi deg en helhetlig forståelse av de mest anerkjente skolene innenfor innovasjon; Design Thinking, Lean Startup, Jobs to be Done og Design Sprint, og hvordan hver av disse komplementerer hverandre.

04. October 2019, 08:00 - 12:00

Vitensenteret, Thormøhlensgate 51, Bergen

4
OCT

Kurs: Bli mer kundesentrisk i salgsprosessen

På dette kurset vil du lære å gå fra tradisjonelt produktsentrisk salg til kundesentrisk salg. Dette betyr at man i større grad samhandler med kunden i salgsprosessen, og involverer kunden i større grad i den ferdige leveransen.

18. October 2019, 08:00 - 12:00

Vitensenteret, Thormøhlens gate 51, Bergen

18
OCT

Kurs: God presentasjonsteknikk i salg

Dette er et praktisk orientert kurs, hvor dere vil lære hvordan presentere deres produkter og selskap på en måte som gjør at budskapet kommer tydelig frem hos mottaker.

25. October 2019, 08:00 - 12:00

Vitensenteret, Thormøhlens gate 51, Bergen

25
OCT



Co-exhibit with us at Oceanology?

17 - 19. March 2020

ExCel Center, London, UK

17
MAR



We invite you to co-exhibit with GCE Ocean Technology and Innovation Norway at our common stand area at the Oceanology exhibit in 2020.

Join us at OceanTech in Shanghai



Shanghai Skyline. Photo by Adi Constantin - Unsplash.com

Published: 04 Sep 2019

Showcase your ocean technology and innovative solutions at the Norway Asia Business Summit in Shanghai, October 2019. We offer travel support and are seeking programme contributors from our cluster.

Pre-Project Funding

- Provide financial and professional support to establish externally funded RDI projects.
- Secured more than 1 billion NOK in external funded RDI projects.



The high-speed pinless data connection by Wisub



The Maxlimer. Photo by Swire Seabed



Cable Protection Systems from Seaproof Solutions

Dette er oss



Owe Hagesæther
CHIEF EXECUTIVE OFFICER



Anne-Grethe Solbakk
CHIEF FINANCIAL OFFICER



Berit Haver Lie
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<https://www.gceocean.no/news/submit-your-news-story/>

Programme – before lunch



09:15	Underwater Intervention Drones	Pål Atle Solheimsnes, Leading advisor - Subsea Intervention & Diving, Equinor
09:40	The World's first autonomous inspection of subsea pipeline	Jan Arvid Ingulfsen, Senior Advisor Survey & AUV Operations, Swire Seabed
10:00	The World's first Atlantic crossing by an unmanned surface vehicle	David Peddie, CEO and Founder, Offshore Sensing
10:20	Break	
10:40	Subsea Technology - Field of the Future	Terje Hammer Meling, Senior Engineer, Aker BP
11:00	AUV - The steps and challenges to make it truly autonomous	Torstein Olsmo Sæbø, Research Manager FFI (Norwegian Defence Research Establishment)
11:20	#YOUINNOVATE; Young inventors - radical ideas. With pitch from students challenging existing subsea vehicle concepts.	Lars Kristian Trellevik, Senior Engineer K. G. Jebsen Centre for Deep Sea Research UiB
11:40	Workshop. New ideas - What if	
12:00	Lunch	



Workshop #1

New ideas – What if

Workshop #1



- Question 1 – What solutions would be most valuable for the industry/society? “What if...”
- Question 2 – Challenge/possibility you would like to address jointly
 - ● What topic?
 - ● What type of partnership (who should take part)?
 - ● Possible GCE Ocean Technology role?



Lunch

We start again at 13:00

Programme – after lunch



13:00	A data driven energy future - The ecosystem perspective	Nina Reiersgaard, Equinor
13:25	Next generation of autonomous systems	Asgeir Sørensen, AMOS, NTNU
13:45	The future of subsea survey	Felipe Lima, uSEA Technologies
14:00	Catapult your project from idea to market	Gisle Nondal, Ocean Innovation Catapult
14:15	Break	
14:35	uROV - Rethinking subsea field operation	Hans Fredrik Kjellnes, OneSubsea
14:55	Real-time autonomous monitoring using UAS	Rune Størvold, NORCE
15:15	Airborne drones	Mohibb Malik, Project Engineer, BirdView
15:30	Explore new ideas using students	Bjørn Tore Hjertaker, Professor UiB
15:40	Workshop. Next step - Student projects	
16:00	End of seminar	



Workshop #2

Next step – Student projects

Student project HVL



H Ø G S K U L E N P Å V E S T L A N D E T

Forespørsel om oppgaver til bachelorprosjekt for studenter innen allmenn maskin, energiteknologi, marinteknikk, produksjonsteknikk og undervannsteknologi/havteknologi

- Possible topics; Subsea, ocean technology, machine, marine, energy and production technology
- Deadline 30 September
- Performed spring semester 2020

Workshop #2



- Question 1 – If you had a PhD-student available for the next three years. What assignment/challenge/project would you give him/her?
- Question 2 – Ideas suitable for student projects (BSc/MSc)
 - ● Challenge/solution of interest, idea/concept to be explored:
 - ● Any preferred institute/university?
 - ● Anything else?

World Class Ocean Technology from Norway



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