

# THE 7TH ANNUAL ARCTIC EXCHANGE

8-12 APRIL 2024  
THE THON HOTEL  
HARSTAD, NORWAY





# Welcome

Thank you for your interest in the Annual Arctic Exchange - Norway.

Now into our 7th Arctic Exchange we are driven to deliver a flawlessly executed event - as you would expect of a top-level professional conference organiser. Designed to inspire, motivate and build relationships. Riding on the success from the previous years we are working on making this Arctic Exchange the most unrivalled business to business higher north networking opportunity. There will be a mixture of presentations, round-table discussions, and panel debates from leading experts worldwide including Governmental, Shipping, Seismic, Environmental, Ice Management, Technology.

The Exchange is partnered by international professional societies, many of whom actively promote the Exchange to their communities, colleagues and peers, widening the reach of the event and your sponsorship.

Join us in Norway to reach the world's leading specialists.

Global Exchange Management wish to extend a warm welcome to our speakers and participants to this event and the wonderful city of Harstad. We trust that you will have an enjoyable and interesting experience.

The Arctic Exchange promises an innovative and exciting programme set within a superb venue, in a location from which we are delighted to be able to offer all our guests some truly amazing excursions and experiences in the local area

If you have any questions regarding your registration please do not hesitate to contact the Global Exchange Management office on 00447368926272 or at [info@gem-exchanges.com](mailto:info@gem-exchanges.com).

Further information about registration, the venue and transport links are available on the following pages.

We look forward to seeing you at The Arctic Exchange 2024

*Global Exchange Management*

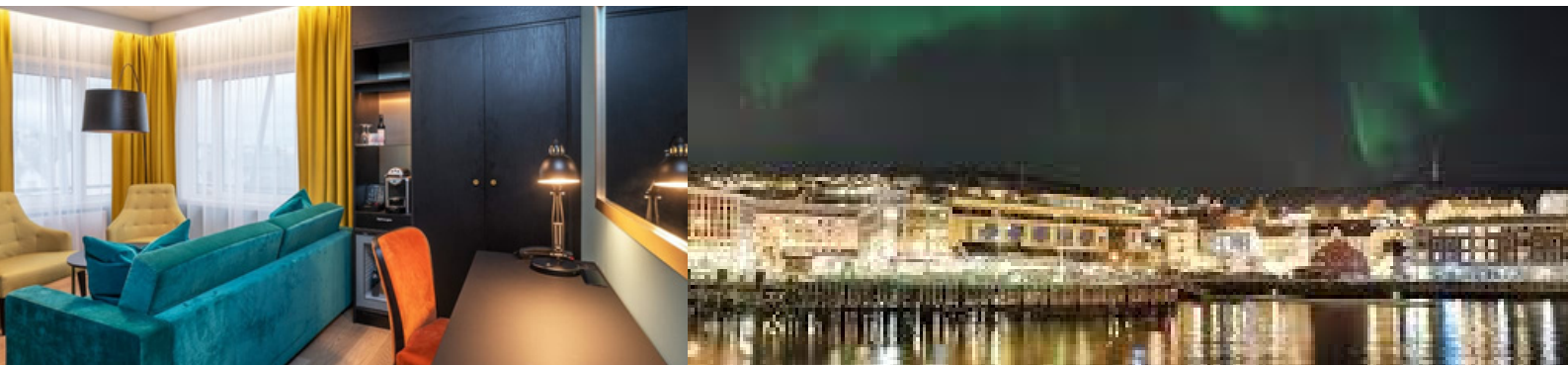


THANK YOU TO OUR  
SPONSORS



# The Venue

THON HOTEL, SJØGATA 11, 9405 HARSTAD, NORWAY



## Exciting news!

**We've teamed up with Thon Hotel Harstad to host the Exchange, and we've snagged an exclusive discounted rate for all attendees.**

**The hotel, with its stunning views of snow-capped mountain peaks and a beautiful view over Vågsfjorden, sets the standard for the exciting days with the Arctic Exchange - this time amidst Arctic conditions.**

**Join us for an unforgettable experience in the heart of the Arctic in Northern Norway!  
To book your accommodation please click on the link below**

<https://www.thonhotels.com/event/arctic-exchange-2024/>



## Getting There..

### From Evenes Airport (EVE), Norway



via E10 and Rv83 50mins



Bus line FB80 5 times a day



# Introducing the 2024 speaker panel



ANDREAS HAY  
KALJORD  
KSAT



STIG MORTEN-  
KNUTSEN  
NORWEGIAN  
PETROLEUM  
DIRECTORATE



TERJE SOLHEIM  
Head of Harstad  
AKER BP ASA



MIKAA MERED  
Professor of  
Arctic Economics  
& Geopolitics



MININNGUAQ KLEIST  
Head of  
Representation of  
the Greenland  
Representation to  
the EU



KLAUS HARNVIG-  
KRANE  
Owner Harnvig  
Arctic &  
Maritime



ADA WINTHER  
Stakeholder,  
Communication  
& Relations  
Manager



MIKKO NINI  
Senior Advisor,  
Team  
Renewable  
Arctic Finland  
Board Director,  
Rauma Marine  
Constructions  
Oy, Navidom Oy  
Chair, Finnish  
Maritime  
Association



DANIEL WOOD  
NATIONAL  
OCEANOGRAPHY  
CENTER



KJELL GJØVER  
Director  
PETRO ARCTIC



SEAN THOMAS  
CROWLEY



MARIE ANN  
CONINSX  
Former  
Ambassador  
at Large for  
the Arctic,  
European  
Union.



HÅKON SKRETTING  
Director  
Norwegian Energy  
Partners



DR JESSICA  
SHADAIN  
President & CEO  
Arctic360



STÅLE MONSTAD  
CEO  
GREEN MINERALS



STUART CASTELL  
AST GLOBAL



COURTNEY  
LEGAULT  
FEDNAV



MEAD  
TREADWELL  
Arctic Circle Task  
Force on Shipping  
and Ports



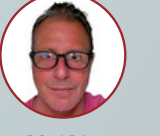
CHRISTIAN  
DUMARD  
Hokulea - Marine  
Weather Routing



MARCO  
GRAZIOTTO  
ARCTIC BULK



CAROLE PLESSY  
VP MARITIME  
ONEWEB



JO APA  
RIVADA SPACE  
NETWORKS



PASCAL LEGAI  
Senior Security  
Adviser to  
European Space  
Agency



PETER  
BROADHURST  
IMMARSAT



DR. MARKO  
HÖYHTYÄ  
VTT



DAN ROONEY  
IRIDIUM



TORE GULBRANDSØY  
SVP  
RYSTAD ENERGY



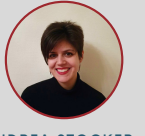
NEIL O'ROURKE  
Assistant Commissioner,  
Arctic Canadian Coast



WIM JOLLES  
JOLMAR



BEN SELIGMAN  
Project Specialist - Arctic  
Frontiers Oil & Gas



ANDREA STOCKER  
University Centre  
of the  
Westfjords,  
Ísafjörður,  
Iceland

*It's what we bring together that sets us apart!*

## KEY FOCUS

Barents Sea

ENVIRONMENTAL  
IMPACT

INDIGENOUS

OPTICAL CABLING

CYBERSECURITY

ICE MANAGEMENT

COMPLIANCE

CASE STUDIES

FINANCING

RESEARCH

GOVERNMENTAL

INNOVATION

ZERO-EMISSIONS TECHNOLOGY

OIL SPILL RESPONSE

INSURANCE

YAMAL LNG

ARCTIC

BROADBAND

NAVIGATION

REGULATORY  
UPDATES

SHIPPING

Piracy

LEGAL

INFRASTRUCTURE

For delegate tickets and sponsorship packages please visit the website  
[www.gem-exchanges.com](http://www.gem-exchanges.com)



# Harstad, Norway



## **WELCOME TO THE ARCTIC. WELCOME TO HARSTAD.**

**Since the Viking era, Harstad has been a pivotal hub for trade and transportation. Today, nearly a millennium after the Viking Age, Harstad remains a key location in Northern Norway.**

**Boasting strategic positioning in both aquaculture and shipbuilding, Harstad is easily accessible for the aquaculture industry. The high quality of seafood products has firmly placed Harstad and Northern Norway on the map for premium seafood.**

**The shipbuilding industry has also thrived in Harstad. Dating back to 1895, the first mechanical workshop was established in Harstad, and it remains a cornerstone business today. Over the years, several strong players in shipbuilding and ship design have emerged around the maritime sector, distinguishing themselves in the international market.**

**Harstad is often referred to as the "City of a Thousand Joys." And rightly so, as there is much to rejoice about here. With breathtaking nature and abundant activities for outdoor enthusiasts, Harstad also boasts one of Northern Norway's richest cultural offerings for those with an interest in the arts.**

**In recent years, Harstad has become an important center for Arctic research and education. The city is home to several research institutions, including the University of Tromsø's campus in Harstad, which focuses on Arctic studies.**



# Day Tours

Join our complimentary day tours to either Harstad, Narvik or Stokmarknes.  
Due to transportation and logistics, we unfortunately have a limited number of spaces available for each destination.  
Therefore, please contact the organiser to book your preferred choice.

## MONDAY 8TH APRIL 2024

17:00 - 18:30 WELCOME TO HARSTAD AND ABOVE THE ARCTIC CIRCLE, THON HOTEL ARENA NORD NORGE (TBC)

- WELCOME SPEECHES

- PRESENTATION FROM ORGANISERS ON THE CONFERENCE AND THE TRIPS ON TUESDAY

19:00 - 21:00 DINNER IN LOCAL RESTAURANTS (ARCTIC EXCHANGE MENU - TASTE THE ARCTIC)

## TUESDAY 9 APRIL

THE PARTICIPANTS HAVE THE OPPORTUNITY TO CHOOSE BETWEEN 3 LOCATIONS:

- NARVIK
- STOKMARKNES
- HARSTAD

TUESDAY EVENING: ICEBREAKER DINNER TBC

**PLEASE CAN ALL DELEGATES CONTACT THE ORGANISER WITH THEIR  
PREFERRED CHOICE**





# Welcome to Narvik

102 KM SOUTH OF HARSTAD, SURROUNDED BY HIGH MOUNTAINS, YOU'LL FIND THE INDUSTRIAL TOWN OF NARVIK. WITH THE SCENIC AND STRATEGIC OFOTBANEN AND THE ICE-FREE HARBOR, NARVIK HAS BEEN A CRUCIAL TRANSPORTATION HUB FOR BOTH COMMERCE AND INDUSTRY. EVERY DAY, 46 TRAINS ARRIVE OR DEPART FROM NARVIK. THE MAJORITY OF THESE TRAINS TRANSPORT ORE FROM THE MINES IN KIRUNA TO LKAB IN NARVIK, FROM WHERE THE ORE IS SHIPPED WORLDWIDE.

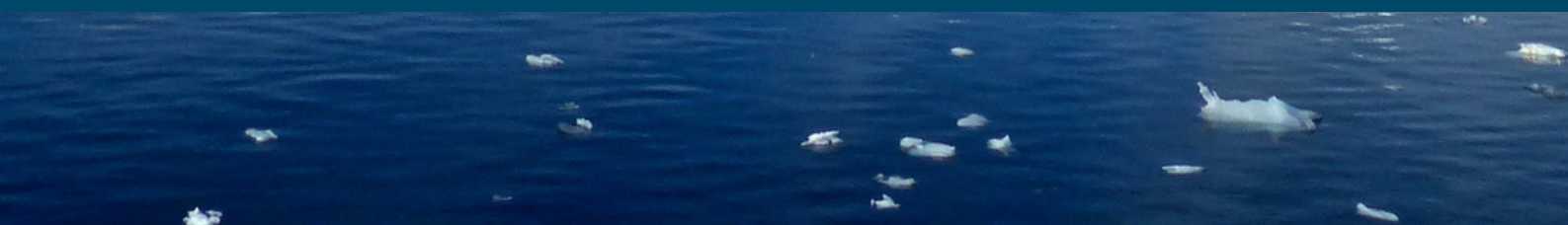
THE CITY HAS ALSO BEEN A CENTER FOR TECHNOLOGY, FOSTERING HIGHER DEVELOPMENT, RESEARCH, AND, NOTABLY, INNOVATIVE BUSINESS DEVELOPMENT. FOR OUTDOOR ENTHUSIASTS, NARVIK IS A PARADISE. NARVIK BOASTS A UNIQUE SKIING FACILITY WITH A BREATHTAKING VIEW OF BOTH THE CITY AND THE FJORD. THERE ARE GREAT MOUNTAIN HIKES WHETHER YOU PREFER WALKING ALONG TRAILS OR CLIMBING MOUNTAIN PEAKS. STETINDEN, DESIGNATED AS NORWAY'S NATIONAL MOUNTAIN, IS ALSO LOCATED IN THE NARVIK MUNICIPALITY.

NARVIK ALSO HOSTS SEVERAL FESTIVALS THROUGHOUT THE YEAR. PERHAPS THE MOST WELL-KNOWN IS VINTERFESTUKA. DURING THIS FESTIVAL, ALL RESIDENTS DRESS UP AS "RALLARE" (RAILWAY CONSTRUCTION WORKERS) AND SVARTA BJØRN (THE MOST FAMOUS FEMALE COOK) TO CELEBRATE AND COMMEMORATE THE CONSTRUCTION ERA OF THE OFOT RAILWAY AT THE BEGINNING OF THE 20TH CENTURY.

## DEPART 08.00

NORDKRAFT	TECO 2030	NARVIKFJELLET	LUNCH AND ALPINE WORLD CUP	LKAB
The CEO Eirik Frantzen will present about the current energy situation in Northern Norway and Nordkraft's on-going industrial projects such as battery and ammonia factories.	Tour of TECO 2030 Innovation Center and a presentation from CEO Rune Karlsen about the use of hydrogen for emission-free maritime and heavy industry.	We will travel to The Mountain Restaurant, 656 meters above sea level.	Next to the alpine slopes and the stunning view over Narvik, we will have lunch. Erik Plener will give us a presentation on the Alpine World Cup 2026 and Jørn Eldby will inform us about Europe's northern most university, the Arctic University of Norway (UiT).	We will visit one of the cornerstone companies in Narvik: LKAB, an international mining and minerals group. After a guided tour, Marit Walenius, CEO LKAB Norway will give a presentation on fossil-free iron.

## RETURN 15.30







# Welcome to Stokmarknes

STOKMARKNES IS LOCATED 152 KM WEST OF HARSTAD. AN IMPORTANT PART OF THE CITY'S IDENTITY IS THAT STOKMARKNES IS THE BIRTHPLACE OF THE HURTIGRUTEN, AS IT WAS HERE THAT RICHARD ESTABLISHED THE COASTAL STEAMER ROUTE AS FAR BACK AS 1883. TODAY, THIS IS COMMEMORATED AT THE HURTIGRUTEN MUSEUM, WHERE THE BEACHED SHIP FINNMARKEN IS PRESERVED. WITH ITS 266 FEET, IT STANDS AS ONE OF THE WORLD'S LARGEST MUSEUM EXHIBITS.

HADSEL MUNICIPALITY IS SITUATED IN THE SCENIC VESTERÅLEN IN NORDLAND COUNTY. IN ITS BREATHTAKING LANDSCAPES AND FLOURISHING COMMUNITIES, HADSEL OFFERS A UNIQUE BLEND OF NATURAL BEAUTY AND CULTURAL RICHNESS. THE MUNICIPALITY ENCOMPASSES A VARIETY OF LANDSCAPES, INCLUDING FJORDS, MOUNTAINS, AND ISLANDS.

THE MUNICIPALITY GOES TO GREAT LENGTHS TO FACILITATE BUSINESS AND DEVELOPMENT, AND AIMS TO ESTABLISH A POSITION IN RENEWABLE ENERGY TECHNOLOGY TESTING THROUGH THE LOVE RENEWABLE PROJECT. THE TESTING CENTER IS ENVISIONED TO BE LOCATED IN AND AROUND FISKEBØL, WHERE A NATIONAL TEST CENTER FOR OIL SPILL RECOVERY WILL ALSO BE ESTABLISHED. THE MARITIME AREAS IN HADSEL ARE RICH IN RENEWABLE RESOURCES, WITH THE GREATEST POTENTIAL APPEARING TO LIE IN WAVE POWER, TIDAL POWER, FLOATING SOLAR POWER, AND FLOATING WIND POWER. THE AREAS ARE SUITABLE FOR TESTING BOTH OIL SPILL RESPONSE EQUIPMENT AND ENERGY TECHNOLOGY DUE TO THE PREVALENT WEATHER CONDITIONS, ALLOWING FOR TESTING UNDER REALISTIC CIRCUMSTANCES.



## DEPART 07.00

NORWEGIAN COASTAL EXPRESS MUSEUM	LUNCH	SEA FARM, FISKEBØL	GUIDED TOUR	RETURN 17.00
Round table meetings Oil spill recovery & Fiskebøl Wind energy & Love Fornybar Presentation Nordlaks		We will travel by boat to the sea farm at Fiskebøl	We will get a guided tour at the sea farm. We will also get an exciting demonstration at Norlense	Travel back to Harstad where we will meet for an icebreaker dinner.





# Registration

PLEASE VISIT OUR WEBSITE FOR MORE INFORMATION ABOUT SPONSORSHIP OPPORTUNITIES AND TICKETS

**<https://gem-exchanges.com/arctic-exchange>**

If you have any questions please do not hesitate to contact us

[christophere@arcticexchangenetwork.com](mailto:christophere@arcticexchangenetwork.com)

Or call us +447368926272

If you would like a copy of our privacy policy please email  
[info@gem-exchanges.com](mailto:info@gem-exchanges.com)

**We look forward to meeting you in  
Harstad !**

This is a draft agenda for the arctic exchange,  
we are still working on the speaker panel schedule for the whole event  
and the details are still subject to change.



# Registration

Registration and coffee will be from 8am – 8.55 am on Wednesday 10th April 2024.

All delegates must complete registration by 8.45am on day one to participate in the conference.

The Exchange starts at 9am on Wednesday 10th April and ends at approx. 2pm on Friday 12th April.

**Day tours will take place on Tuesday 9th April**

## **PLEASE CAN ALL DELEGATES CONTACT**

## **WITH THE PREFERRED TABLE CHOICE FOR THE AM/PM SESSIONS ON BOTH DAYS**

Governmental

Shipping Technology

Satellite Navigation

Environmental

Oil Spill Response

Shipping

## **Dietary Requirements.**

Please email [hannah@arcticexchangenetwork.com](mailto:hannah@arcticexchangenetwork.com) with any specific dietary requirements.

## **Image Waiver**

Global Exchange Management will be taking videos and photos during the conference to be used in promotional material, social media and publications. If this is of concern to you please contact [hannah@gem-exchanges.com](mailto:hannah@gem-exchanges.com)

If you would like a copy of our privacy policy please email [info@gem-exchanges.com](mailto:info@gem-exchanges.com)

## **Changes to program**

Whilst every attempt will be made to deliver this conference as advertised, please be aware that events beyond our control may lead to unavoidable changes to the program or schedule.

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change.



# THE 7TH ANNUAL ARCTIC EXCHANGE

DAY 1

Wednesday 10th April

## WELCOME COFFEE AND REGISTRATION

8.00 – 9.00

### CHRISTOPHER SMITH

*Managing Director GEM*

9.00 – 9.10

## OPENING

### MEAD TREADWELL

*Professor of Arctic & Antarctic geopolitics*

9.10 – 9.20



### NORWEGIAN GOVERNMENT TBC

9.20 – 9.40



### SARAH COX

*Director of circumpolar affairs and head  
of delegation SDWG Arctic Council  
Canadian Government*

9.40 – 10.00



### TIINA JORTIKKA-LAITINEN

*Ambassador for Polar Issues in the  
Foreign Ministry of Finland*

10.00 – 10.20



### MININNGUAQ KLEIST

*Head of Representation of the Greenland  
Representation to the EU, Brussels*

10.20 – 10.40

## ROUND TABLE DISCUSSION

10.40 – 11.10

**MARIE-ANN CONINSX**

*Former Ambassador at Large for the Arctic, European Union.*

**11.10 - 11.30****ROBERT COURTS MP**

*Department for Transport, with responsibility for aviation, maritime and security.*

**11.30 - 11.50****STIG-MORTEN KNUTSEN**

*Norwegian Petroleum Directorate  
The Norwegian Continental Shelf and the Arctic  
Research, environment, value creation and co-existence  
Arctic dilemmas*

**11.50 - 12.10**

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**ROUND TABLE DISCUSSION****12.10 - 12.30**

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**LUNCH**  
**12.30 - 13.30****EQUINOR TBC****13.30 - 13.50****KJELL GIÆVER**

*Petro Arctic*

**13.50 - 14.10****TERJE SOLHEIM**  
*Head of Harstad  
Aker BP ASA***14.10 - 14.30**

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**ROUND TABLE DISCUSSION****14.30 - 14.50**

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**MEAD TREADWELL***Governor of Alaska***14.50 - 15.10****PHILIP BISHOP***Industry Partnership Manager National  
Oceanography Center***15.10 - 15.30****HÅKON SKRETTING***Director**Norwegian Energy Partners**How can the industry reduce the emission  
related to oil and gas production.**1. Presentation of the Norwegian Lower  
Emission Oil and Gas Production project.***15.30 - 15.50****PASCAL LEGAI***Senior Security Adviser  
The European Space Agency***15.50 - 16.10**

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**ROUND TABLE DISCUSSION**

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**16.10 - 16.40****CLOSING REMARKS**

Drinks reception 5pm – 7pm

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whole event and the details are still subject to change.



# THE 7TH ANNUAL ARCTIC EXCHANGE

DAY 2

Thursday 11th April

## WELCOME COFFEE

8.00 – 9.00



### JÉRÔME CHAPPELLAZ

*Director of Research  
EPFL*

- *"SubOcean : a new way to monitor methane degassing or leaks offshore"*

9.00 – 9.20



### MIKKO NIINI

*Senior Advisor, Team Renewable Arctic  
Finland*

*Board Director, Rauma Marine  
Constructions Oy, Navidom Oy  
Chair, Finnish Maritime Association*

- *"Recent developments in the Arctic and the Northern Sea Route – Investments, projects, transports"*

9.20 – 9.40



### ANDREAS KJØL

*Senior Adviser  
Norwegian Coastal Administration*

9.40 – 10.00



### COURTNEY LEGAULT

*Head of Arctic Operations  
FEDNAV*

*"Innovative, sustainable and zero/low-emission technologies"*

10.00 – 10.20

## ROUND TABLE DISCUSSION

10.20 – 10.40



## JO APA

RIVADA SPACE NETWORKS  
Vice President

10.40 - 11.00



## DR. MARKO HÖYHTY

Research Professor  
VTT

"Critical communications in the Arctic:  
Integrated satellite-terrestrial networks and  
5G/6G technology"

11.00 - 11.20



## ANDREAS HAY KALJORD

Project Manager and International Sales  
Manager KSAT

"Satellite Earth Observation for the Arctic,  
Operational applications, Current and future  
capabilities"

11.20 - 11.40



## KLAUS HARNVIG-KRANE

Owner Harnvig Arctic & Maritime

Ice Management in dredged channels  
Environmental conditions in the NE Caspian Sea  
Logistical challenges because of falling water level  
ce Management plan

11.40 - 12.10

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## ROUND TABLE DISCUSSION

12.10 - 12.30

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## LUNCH 12.30 - 13.30

## DANIEL WOOD

Business Development Manager  
NATIONAL OCEANOGRAPHY CENTRE

We are developing novel sea ice thickness sensors - valuable as this can  
be mapped by an AUV and is of interest to military and commercial  
parties as well as for science.

Planned long term mission to cross a segment of the arctic under ice with  
an AUV

Working soon in the Labrador sea using gliders, buoys and moorings to measuring  
biogeochemical processes such as the big carbon pump to better understand this  
non-gravitational system for carbon absorption by the ocean

13.30 - 13.50

## PETER BROADHURST

Senior Vice President Safety and Security  
Inmarsat Maritime

13.50 - 14.10

## STUART CASTELL

General Manager AST

14.10 - 14.30

## ROUND TABLE DISCUSSION

14.30 - 14.50

**DAN ROONEY**

*Maritime business development director  
Iridium*

14.50 - 15.10

**TORE GULBRANDSOY**

*SVP RYSTAD ENERGY*

15.10 - 15.30

**CAROLE PLESSY**

*VP MARITIME  
ONEWEB*

15.30 - 15.50

## ROUND TABLE DISCUSSION

15.50 - 16.10

**MARIA MADALENA**

*Associate professor at the Norwegian  
Centre for the Law of the Sea (NCLOS)  
deep seabed mining and/or offshore  
energy, from the point of view of the law  
of the sea -*

16.10 - 16.30

**GUDMUND JOHANSEN**

*THE ARCTIC UNIVERSITY OF NORWAY*

16.30 - 16.50

**STÅLE MONSTAD**

*CEO GREEN MINERALS*

16.50 - 17.10

## ROUND TABLE DISCUSSION

17.10 - 17.30

GALA DINNER 7pm



# THE 7TH ANNUAL ARCTIC EXCHANGE

**DAY 3**

*Friday 12th April*

## WELCOME COFFEE

**8.00 – 9.00**



### DR. JESSICA M. SHADIAN

*President and CEO  
Arctic360*

**9.00 – 9.20**



### OFF SHORE WIND

*TBC*

**9.20 – 9.40**



### ANDREA STOCKER

*University Centre of the Westfjords,  
Isafjordur, Iceland*

**9.40 – 10.00**

## ROUND TABLE DISCUSSION

**10.40 – 11.10**



### WIM JOLLES

*JOLMAR*

**11.10 – 11.30**



### DATA CENTRES HIGH NORTH

*TBC*

**11.30 – 11.50**

# THE 7TH ANNUAL ARCTIC EXCHANGE

**DAY 3**

*Friday 12th April*



**LKAB**

*TBC*

**11.50 - 12.10**



**NORDKRAFT (TBC)**

**12.10 - 12.30**



**TBC**

**12.30 - 12.50**



**EMMANUELLE DANJOU**

*ALCATEL SUBMARINE NETWORKS*

**12.50 - 13.10**



**OIL SPILL RESPONSE**

*TBC*

**13.10 - 13.30**

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**ROUND TABLE DISCUSSION & LUNCH**

**13.30 - 14.30**

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