

Organized by:



Hosted by:



GLOC 2023

IAF GLOBAL SPACE
CONFERENCE ON
CLIMATE CHANGE

Fire and Ice - Space for Climate Action

23 - 25 MAY 2023 | OSLO, NORWAY



WELCOME MESSAGES

The International Astronautical Federation (IAF) and the Norwegian Space Agency (NOSA) are both pleased to announce that the Global Space Conference on Climate Change (GLOC 2023) will be taking place in Oslo, Norway on 23-25 May 2023. First conference of its kind, GLOC 2023 will contribute to better understand and battle climate change through the use of space-based services and applications.

Today, climate change is one of the greatest challenges that humans are facing. The Arctic polar ice is melting at an alarming speed and if emissions continue to rise unchecked, the Arctic could be ice-free in the summer by 2040. Both the Arctic and Antarctic serves an important role as the world's "refrigerator" and the ice melting is an urgent issue that affects everyone on the globe. Less ice means less reflected heat, which leads to more intense heatwaves worldwide but also more extreme winters, increased sea levels and disastrous weather phenomena.

This conference is designed to bring together the international community, both space and non-space actors, government representatives and space agencies, industry and NGO's, in Oslo to present results, exchange ideas, debate roadmaps, and discuss the future opportunities provided by space activities to contribute to the global climate change mitigation efforts.

Make sure you mark the dates in your calendar and join us in beautiful Oslo, Norway for this important conference. It is only by working together and jointly addressing these challenges that we can ensure a prosperous future of humans on Earth. See you at GLOC 2023!



Clay MOWRY
President,
International Astronautical
Federation (IAF),
France



Christian HAUGLIE-HANSEN
Director General,
Norwegian Space Agency
(NOSA),
Norway



Dear Readers,

On behalf of the International Astronautical Federation (IAF) and the Norwegian Space Agency (NOSA), we would kindly request your presence at the Global Space Conference on Climate to be held in Oslo, Norway from 23-25 May 2023.

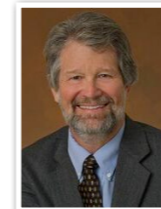
For over a decade the IAF has held a series of Global Conferences on a range of space-related topics including space applications, space in emerging countries, space exploration, space in an information society, and innovation in space. We are pleased to announce that this Conference will be the first that is dedicated entirely to climate, its impacts - locally, regionally and globally, and actions that are being taken around the world to mitigate those impacts.

We envision two primary tracks for this inaugural Conference. The first where leaders and policy makers from around the world will discuss steps that they are taking to advance climate action, and a second track where scientists from around the world will discuss the impacts of the Earth's changing climate. The confluence of these two tracks is expected to not only generate lively debate and discussion, but tangible steps that can be taken to help close the gap between scientific knowledge and concerted action.

The theme of the Conference, "Fire and Ice - Space for Climate Action" speaks to both the geographic extent of the topics, and also to the relations between and among the Earth's integrated systems. In addition to the scientific and research aspects of these topics, several sessions are planned to explore topics like communications, international cooperation and the socio-economic aspects of climate change.

We are very much looking forward to putting a strong conference together that will help bridge the gap between policy makers and scientists on one of the greatest threats facing the Planet. We look forward to seeing you in Oslo in May.

With our best regards.



James GRAF
Director,
Earth Science and
Technology,
NASA Jet Propulsion
Laboratory,
United States



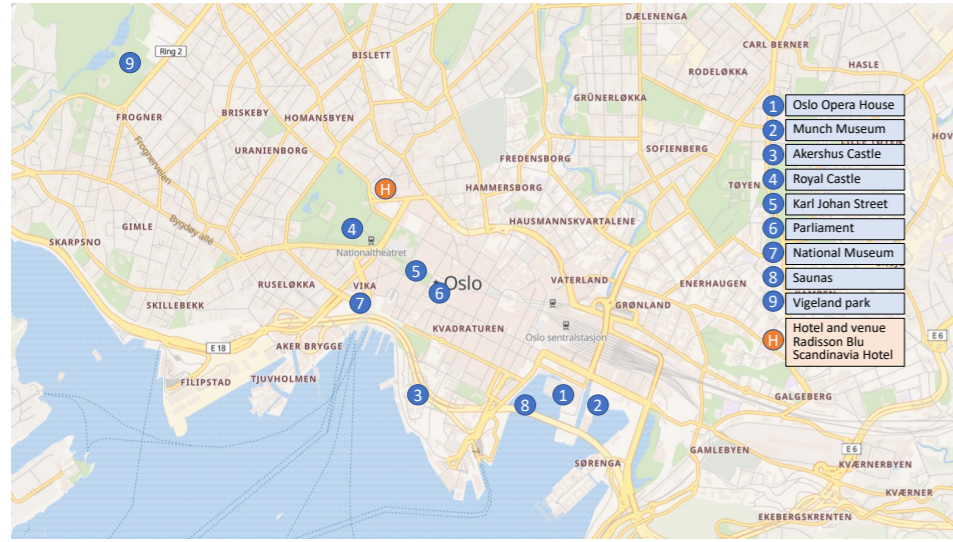
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Director,
Business development
and Innovation,
Norwegian Space
Agency (NOSA),
Norway



Barbara J. RYAN
Executive Director,
World Geospatial
Industry Council (WGIC),
United States

OSLO, NORWAY

Norway is known for its fjords, mountains, forests, islands, and breath-taking scenery. The capital Oslo, with a population of 700 000, is located in the southeastern part of the country. It is culturally diverse and one of Europe’s fastest-growing cities. The city has one of the world’s most ambitious climate strategies and was awarded European Green Capital in 2019. More than half of the municipality is covered by forests and parks, and the fjord extends all the way to the city centre. Being one of the most walkable capitals in the world, attractions like the seaside promenades, several brand-new museums, exciting shopping, innovative architecture and funky neighbourhoods are all within walking distance from the GLOC 2023 venue.



PROGRAMME

GLOC 2023 will focus on the theme “Fire and Ice – Space for Climate Action” and will address various topics of interest in relation to space and climate change. The comprehensive programme will include:

- an **Opening Ceremony** with prominent speakers,
- a **Plenary Programme** with high-level panel discussions,
- **Highlight Lectures**,
- an **IAF Global Networking Forum (IAF GNF)** Programme,
- a **Technical Programme** with Sessions in several parallel technical streams and 2 dedicated Interactive Presentations sessions,
- a **Next Generation** event focusing on a Generational Exchange on the Role of Space in the Fight Against Climate Change,
- a **Space Exhibition**,
- an attractive social and **networking programme**, including a welcoming Gala Dinner and a reception at the Oslo Town Hall.

AT A GLANCE

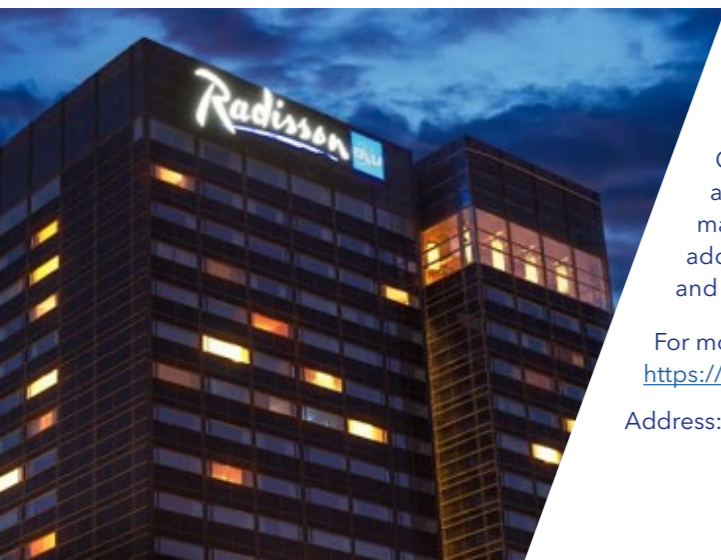
	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00
Tuesday 23 May 2023	Registration	Opening ceremony	Exhibition Opening Tea / Coffee Break	High-Level Plenary Part 1 Fire and Ice - Current State and Prospects for our Home Planet	High-Level Plenary Part 2 Understanding Needs, Bridging Gaps	Welcome Lunch	High-Level Plenary Part 3 Space as a Toolbox for Climate Action Now	Tea / Coffee Break	GNF Technical Session 1.1 Technical Session 2.1 Technical Session 3.1 Meeting with the Press	GNF IP Session	GNF		Welcome Reception / Gala Dinner	
Wednesday 24 May 2023	Registration Welcome Coffee	HLL 2 Plenary 2	Tea / Coffee Break	GNF Technical Session 1.2 Technical Session 2.2 Technical Session 3.2	Lunch	HLL 3 Plenary 3	Tea / Coffee Break	A Generational Exchange on the Role of Space in the Fight Against Climate Change Opening Keynote Speeches Panel 1 Quick Break Panel 2 Closing					Reception at Oslo Town Hall	
Thursday 25 May 2023	Registration Welcome Coffee	HLL 4 Plenary 4	Tea / Coffee Break	GNF Technical Session 1.3 Technical Session 2.3 Technical Session 3.3	Lunch IP Session	GNF TS 1.4 TS 2.4 TS 3.4	Tea / Coffee Break	High-Level Summary Session Closing Ceremony						
Friday 26 May 2023 (Optional)	Optional Technical Visit													

VENUE

GLOC 2023 will take place at **Radisson Blu Scandinavia Hotel, Oslo**, a centrally located hotel in downtown Oslo in walking distance of all major sights and attractions. The venue offers a main conference hall in addition to two seminar halls, exhibition space, additional meeting rooms and luncheon areas.

For more info on the venue please visit:
<https://www.radissonhotels.com/en-us/hotels/radisson-blu-oslo-scandinavia>

Address: Holbergsgate 30, Oslo, 166, Norway



REGISTRATION

Category	Early Bird Before 30/03/2023	Regular 30/03/2023 -11/05/2023	Late After 11/05/2023
Full-Paying Participants (Others)	750,00 €	850,00 €	900,00 €
Full-Paying Members (IAF Members)	650,00 €	750,00 €	800,00 €
Retired	300,00 €	350,00 €	400,00 €
NEXT GENERATION *			
Young Professionals	300,00 €	350,00 €	400,00 €
Full-time Students	100,00 €	120,00 €	130,00 €
Media	Free	Free	Free

Register online by the 30 March to benefit from the early bird registration rates. To register and for more information please go to → www.gloc2023.org

*Must be 35 years of age or less

INTERNATIONAL PROGRAMME COMMITTEE (IPC)

Co-Chairs

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Director, Earth Science and Technology,
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United States

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Business development and Innovation,
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Barbara J. RYAN

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Rei GOFFER

Tomorrow.io, United States / Israel

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Uche IGWE

University of South Wales, Nigeria

Torris JÆGER

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Kinomé, France

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ORGANIZER

International Astronautical Federation (IAF)

Connecting @ll Space People



Founded in 1951, the International Astronautical Federation (IAF) is the world's leading space advocacy body with 468 members in 75 countries, including all leading space agencies, industries, research institutions, universities, societies, associations, institutes and museums worldwide. Following its motto "Connecting @ll Space People" and its vision of "A space-faring world cooperating for the benefit of humanity", the Federation advances knowledge about space, supporting the development and application of space assets by promoting global cooperation.

HOST

Norwegian Space Agency (NOSA)



The Norwegian Space Agency (NOSA) is a government agency under the Ministry of Trade, Industry and Fisheries. NOSA promotes the development, co-ordination and evaluation of national space activities as well as supports Norwegian interests in the European Space Agency (ESA) and the space programmes of the European Union.

The Government has defined the following goals for Norwegian space activities: 1. Promoting profitable companies, growth and employment 2. Meeting important needs of society and user groups 3. Ensuring satisfactory protection of important space infrastructure 4. Securing Norwegian foreign, security and defence policy interests in space activities and in outer space.

IAF Alliance Partners:



FOR MORE INFORMATION

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Be part of the conversation on **#GLOC2023**
and **@iafastro**

