

## **SPACE LEADERS' SUMMIT**

### **International Pledge for Space-Based Climate**

#### **Action - COP29 Impact and Output**

**November 16, 2024**

**Baku, Azerbaijan**

Recognizing the urgent need for global action to mitigate the adverse effects of climate change, we reaffirm our commitment to leveraging space-based technologies and data to combat the climate crisis.

Recalling 32 organizations endorsed the “Pledge for Enhancing Space-Based Climate Initiatives - COP28 Outcomes”, this Pledge reaffirms our collective ambition to accelerate efforts to mitigate and adapt to climate change.

#### **Acknowledging:**

1. The importance of international cooperation in addressing the multifaceted challenges posed by climate change;
2. The role of space-based technologies, including satellite data and processing such data through artificial intelligence, and machine learning, in assessing and combating key drivers of global warming;
3. The potential of these technologies to offer actionable solutions that can be implemented at scale, promoting transparency and accountability;
4. The important coordination of the Committee on Earth Observation Satellites, the Coordination Group for Meteorological Satellites, the World Meteorological Organization, the Group on Earth Observation, the United Nations Office for Outer Space Affairs, the Space for Climate Observatory, and the International Astronautical Federation to support international climate action.

#### **Objective of the Pledge**

The primary objective of this Pledge is to enhance the global response to climate change, particularly through the use of space-based technologies, and to enhance international collaboration aimed at accelerating progress.

#### **The Participants hereby intend to:**

1. Identify gaps in current global efforts by space agencies to address climate change through space-enabled technologies;

2. Collaborate at future Space Agency summits and other international fora to share findings and exchange best practices;
3. Share information, on a voluntary basis, on their respective space-based climate initiatives that also support climate efforts, including how these initiatives support climate resilience and GHG emissions reductions.

**The Participants pledge to focus on four key areas:**

1. Deploy Space-Based Technologies: Identify and deploy practical space-enabled solutions to help address the Earth's greatest climate challenges.
2. Enhance Global Collaboration: Strengthen international partnerships to improve capacity building, scientific data sharing, and the development of joint climate strategies.
3. Support the UN's Space2030 Agenda: Actively contribute to the objectives of the "Space2030 Agenda" as adopted by the UN General Assembly on 25 October 2021, including four objectives - advancing space economy, space society, space accessibility, and space diplomacy.
4. Enhanced Data Sharing: Amplify scientific data sharing efforts, particularly between established and emerging space nations, with a specific focus on inclusivity, especially in engaging developing countries.

**Monitoring and Reporting Mechanism**

The Participants, recognizing the inherent value of shared knowledge and information, are committed to fostering a culture of collaboration and cooperation, based on open-source science principles that enable scientific reusability through the sharing of scientific mission data on a public, free, full, open and unrestricted basis. The Participants will also promote the sharing of best practices through regional and international research collaborations.

**Participation**

Participation in this Pledge is open to all states, international organizations, and relevant stakeholders. By signing, the Participants affirm their commitment to leveraging space-based technologies to advance global climate resilience and monitoring and reduction of GHG emissions reductions. The Participants intend to review and update, as necessary, this Pledge, in line with evolving global climate priorities and technological advancements.

**Nature of the Pledge**

Participation in this Pledge is voluntary. The Pledge does not impose any legal obligations or financial commitments on the Participants. Each Participant may discontinue its participation in this Pledge at any time.