

2024 ANNUAL REPORT



SECURE
WORLD
FOUNDATION

SECURE WORLD FOUNDATION

Annual Report 2024





The **Secure World Foundation** strives to be a trusted and objective source of thought leadership, analysis and information on the effective and sustainable uses of outer space to benefit humanity.

SWF VISION

Secure World Foundation envisions the secure, sustainable, and peaceful uses of outer space, contributing to global stability and benefits on Earth.

SWF MISSION

The mission of the Secure World Foundation is to work with governments, industry, international organizations, and civil society to develop and promote ideas and actions for international collaboration that achieve the secure, sustainable, and peaceful uses of outer space, benefiting Earth and all its peoples.

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Letter from the Founder

> Since the beginning of time, looking up into the heavens has given people inspiration and hope.

With the constant change and stress in the world today, perhaps we all need to take a moment to enjoy the night sky. City residents (with limited views) can get to planetariums to soak up the beauty and serenity. Breathe it all in. But let's not take it for granted.

When Secure World was founded, more than 20 years ago, not many people thought about the Earth's connection to space. But already we were beginning to rely on our assets in space – from that first photo of our fragile pale blue dot providing us data about our planet, to the reliance on space for communication, financial and economic benefits. With increased usage has also come increased threats to the space environment. As a global common, using space in a sustainable way requires new ways of thinking and problem solving, necessitating a global approach and cooperation in setting up the norms and policies for usage. We have fallen behind the fast pace of development. There is a growing urgency that we begin to think long-term about the implications of our actions.

My husband and I have been pleased to be able to support SWF over the last 20 years and will continue to do so. We have developed the expertise and helped increase awareness about this growing issue, but the pace of development is much faster and more intense, and the resulting challenges more pressing than one small foundation can manage. We welcome partners, supporters and other collaborators to join with us so that we will all benefit from the secure, sustainable and peaceful uses of outer space contributing to global stability and benefits on Earth. Now is the time to both appreciate what we have and work to keep it available for future generations.

BREATHE IT ALL IN. BUT LET'S NOT
TAKE IT FOR GRANTED.



LOOKING AT THE SKY,
THE CLOUDS, THE
MOON AND THE STARS
REALLY DOES MAKE
ME FEEL CALM AND
HOPEFUL.

Anne Frank



CYNDA COLLINS ARSENAULT

CO-FOUNDER

BOARD CHAIR AND PRESIDENT

SECURE WORLD FOUNDATION

Cynda Collins Arsenault is Co-founder, Board Chair, and President of Secure World Foundation. She also co-founded the Arsenault Family Foundation and One Earth Future, which works to address the root causes of armed conflict.

With over 45 years of experience in the nonprofit sector, her work spans peacebuilding, disability rights, criminal justice reform, and environmental issues. She champions women's leadership in peace and security through her personal philanthropy and initiatives like Our Secure Future – Women Make the Difference. She is also the founder of Women Powering Change and a member of Women Moving Millions, the Women Donors Network, and the International Women's Forum. ■

6th SUMMIT for SPACE SUSTAINABILITY

The National Museum of Emerging Science and Innovation (Miraikan)
TOKYO • JAPAN

6TH SUMMIT FOR
SPACE SUSTAINABILITY
WELCOME

TOKYO, JAPAN, 11-12 JULY 2020



Letter from the Executive Director

> Those of us fortunate enough to work in the space arena recognize that this is a very special time, when humanity is truly becoming a space-faring species.

During the past ten years, the pace of developments in practically every aspect of space activities has been nothing short of breathtaking, with each year setting new records. The year 2024 was another year packed with remarkable space achievements. A comprehensive list of all the significant space events of 2024 would run into several pages, but I will point to three that are emblematic of the key trends in the space arena. The first was the record number of 261 orbital launches worldwide. The second was the first successful test flight of SpaceX's Starship. The third was a new record for the most people simultaneously in orbit – 19 individuals on 11 September 2024.

While this rapid growth of space activities promises to provide great societal benefits to people on the ground all around the world, it also raises questions about how sustainable space activities will be in the long run. To date, the prevalent discourse has focussed on concerns about the Earth's orbital environment, but fresh concerns are starting to be raised about the environmental impacts of the greatly increased pace of space activities on the Earth and its atmosphere.

Secure World Foundation is the premier civil society organization devoted to ensuring the secure, sustainable, and peaceful uses of outer space for the benefit of all nations, now and in the future. Since its establishment, Secure World Foundation has been at the forefront of shaping and growing our collective understanding of the concept of space sustainability, informing, convening and providing thought leadership to identify and promote cooperative solutions for a range of space sustainability challenges. Whether supporting dialogues on space security, or promoting the development of norms for responsible behavior among private sector space actors, or supporting the capacity-building efforts of the UN, the dedicated staff at SWF are focused on achieving our vision of the secure, sustainable, and peaceful uses of outer space, benefiting Earth and all its peoples.



PETER MARTINEZ

EXECUTIVE DIRECTOR

SECURE WORLD FOUNDATION

Dr. Peter Martinez is the Executive Director of the Secure World Foundation, bringing deep expertise in space diplomacy, policy, and regulation.

From 2011 to 2018, he chaired the UN COPUOS Working Group that developed the landmark guidelines on the long-term sustainability of outer space.

He previously served as Chair of the South African Council for Space Affairs and represented South Africa at the UN Group of Government Experts on transparency and confidence-building in space.

A former Professor of Space Studies at the University of Cape Town, he is a member of the International Academy of Astronautics, the International Institute of Space Law, and a Fellow of the Royal Astronomical Society. ■

During 2024, we continued to support the progressive development of space law and space governance in general through capacity-building activities and through activities aimed at the strengthening of the multilateral system of space governance. We supported multilateral dialogues in space security through the publication of research on global counterspace capabilities. We continued to promote and support private sector engagement in space sustainability dialogues, and we convened and participated in 85 multi-stakeholder dialogues on six continents. Our flagship convening event was the 6th Summit for Space Sustainability, which was held in Tokyo on 11-12 July, 2024 and was attended by more than 650 people from 37 countries.

This annual report presents salient highlights of the many international activities of the Foundation during the year under review. Given the broad nature of space sustainability challenges, almost all of our activities were accomplished in partnership with a wide range of colleagues from entities in national governments, intergovernmental organizations, the private sector and academia. I would like to take this opportunity to acknowledge and thank our dedicated staff, our Board and Advisory Committee, and all of our partner organizations for their contributions to the work highlighted in this annual report.

Space sustainability is a multi-generational challenge that will require the collective, long-term efforts of a wide range of stakeholders across government, industry, academia, and civil society. We call upon you to join us in this collective endeavor to preserve outer space as a domain for peaceful exploration and use, for the benefit of all nations and future generations.

SPACE SUSTAINABILITY IS A MULTI-
GENERATIONAL CHALLENGE THAT
WILL REQUIRE THE COLLECTIVE,
LONG-TERM EFFORTS OF A
WIDE RANGE OF STAKEHOLDERS
ACROSS GOVERNMENT, INDUSTRY,
ACADEMIA, AND CIVIL SOCIETY



2024

Program Summaries



The 6th Summit for Space Sustainability Brings Global Dialogue to the Asia-Pacific Region

The **6th Summit for Space Sustainability** marked a significant milestone for the Secure World Foundation, as it brought the event to the Asia-Pacific region for the first time.

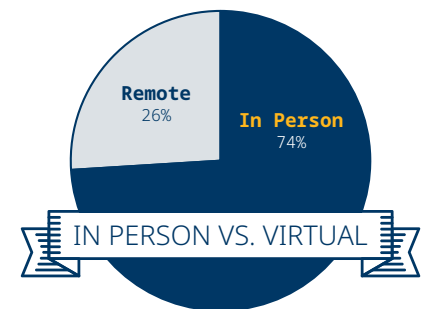
Co-hosted with Japan's Cabinet Office, Space Policy Secretariat, the Summit took place at the National Museum of Emerging Science and Innovation (Miraikan) in Tokyo on July 11 and 12, 2024. More than 650 participants joined in person and online in two days of focused, high-level discussions on advancing international cooperation for space sustainability.

The program featured keynote speeches, panel conversations, and spotlight presentations that addressed challenges and emerging priorities across the space domain. Topics included ongoing efforts in active debris removal, developments in space situational awareness, regional perspectives on civil and commercial space activities, and the future of space exploration partnerships. Participants also examined how sustainability considerations are shaping space-related finance and investment strategies.

The conference was held in coordination with SPACETIDE 2024, Japan's premier commercial space conference. The joint timing helped strengthen regional engagement and highlighted leadership from across the Asia-Pacific space community. The program placed a strong emphasis on the region's contributions to global space governance, reflecting both the diversity and growing influence of stakeholders in the region.

Several sessions examined how various institutions and initiatives can contribute to a more effective governance framework for space. These included multilateral bodies such as the United Nations Committee on the Peaceful Uses of Outer Space and the International Telecommunication Union, as well as regional organizations and private sector platforms.

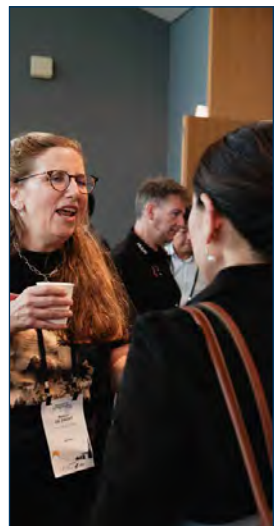
To ensure broader access, all Summit sessions were recorded and are publicly available on Secure World Foundation's YouTube channel. The Tokyo Summit highlighted the significance of international dialogue, cross-sectoral collaboration, and regional participation in shaping a sustainable future for outer space activities.



 **650+**
CONFERENCE ATTENDEES

 **76**
YOUNG PROFESSIONALS
IN ATTENDANCE

 **37**
COUNTRIES REPRESENTED





SWF Publishes the 7th Edition of its Open-Source Report on Global Counterspace Capabilities

The Secure World Foundation released the seventh edition of **Global Counterspace Capabilities: An Open Source Assessment** in April 2024. Edited by Brian Weeden and Victoria Samson, the report tracks and analyzes the development and use of counterspace systems in twelve countries across five key categories: direct-ascent, co-orbital, electronic warfare, directed energy, and cyber.

The 2024 report added new developments through February 2024, including the addition of Israel for the first time. It also provided expanded analysis of spaceplane missions, updated figures on debris from anti-satellite testing, and new details on command and control systems, military doctrines, and regional security trends.

Among the notable updates, the report documented ongoing trends in counterspace testing and use, with the number of countries engaging in research and development continuing to grow. While destructive testing in orbit has paused, reversible effects such as GPS jamming and cyber interference remained active components of ongoing military conflicts. The analysis also highlighted the proliferation of dual-use technologies and identified emerging risks, including plans for laser-armed satellites and the evolution of electronic warfare capabilities.

As in previous years, the report provided a clear and factual resource for policymakers, researchers, and the public. It aims to foster a more open and informed discussion of counterspace threats and their implications for space security and sustainability.

SWF published the full report and executive summary on April 2, 2024, followed by a public webinar hosted in partnership with the CSIS Aerospace Security Project. Translations of the executive summary in Arabic, Chinese, French, Japanese, Portuguese, Russian, and Spanish, supported expanded outreach in Brazil and Japan.

HANDBOOK FOR NEW ACTORS IN SPACE

2ND EDITION, 2024

SWF Releases the Second Edition of *The Handbook for New Actors in Space*

In October 2024, Secure World Foundation released the Second Edition of its Handbook for New Actors in Space, a widely used reference guide for governments, companies, researchers, and regulators navigating the complex and evolving space arena.

As the number of active satellites surpassed 10,000 and the global space economy approached \$630 billion, demand for practical, policy-relevant resources increased across stakeholder groups. This revised edition builds on SWF's foundational work to meet that need, offering updated frameworks for sustainable operations and emphasizing the shared responsibility of both new and established space actors.

What's New in This Edition?

- *Expanded coverage of the UN COPUOS Space Sustainability Guidelines, as well as insights into the UN Online Index of Objects Launched Into Outer Space, International Export Control, and the growing importance of commercial human spaceflight safety.*
- *New content on In-Space Servicing, Assembly, and Manufacturing (ISAM), as well as Cislunar Space Operations and the growing importance of commercial human spaceflight safety.*
- *Fresh case studies, including Lunar Governance Initiatives and the signing of the Artemis Accords, operational insights from SpaceX Starbase, and New Zealand's Space Regulatory and Sustainability Platform.*
- *Latest space governance principles and norms for both established and emerging space actors.*

To help contextualize these developments, the Handbook introduces case studies on recent regulatory efforts and operational challenges. Examples include the Artemis Accords, New Zealand's Space Regulatory and Sustainability Platform, and on-the-ground insights from facilities like SpaceX Starbase.

The Handbook remains freely available online and in print, and it continues to be distributed by SWF staff at major international forums and events. Work is underway to support translations into Chinese, French, Portuguese, and Spanish, further broadening access.

Whether developing national space policy or launching a first payload, space actors across sectors and geographies can rely on the Handbook for New Actors in Space as a clear, current, and accessible resource for responsible conduct in space.



SWF and Brazilian Space Agency Co-Host 2024 International Workshop on Space Resources in Brazil

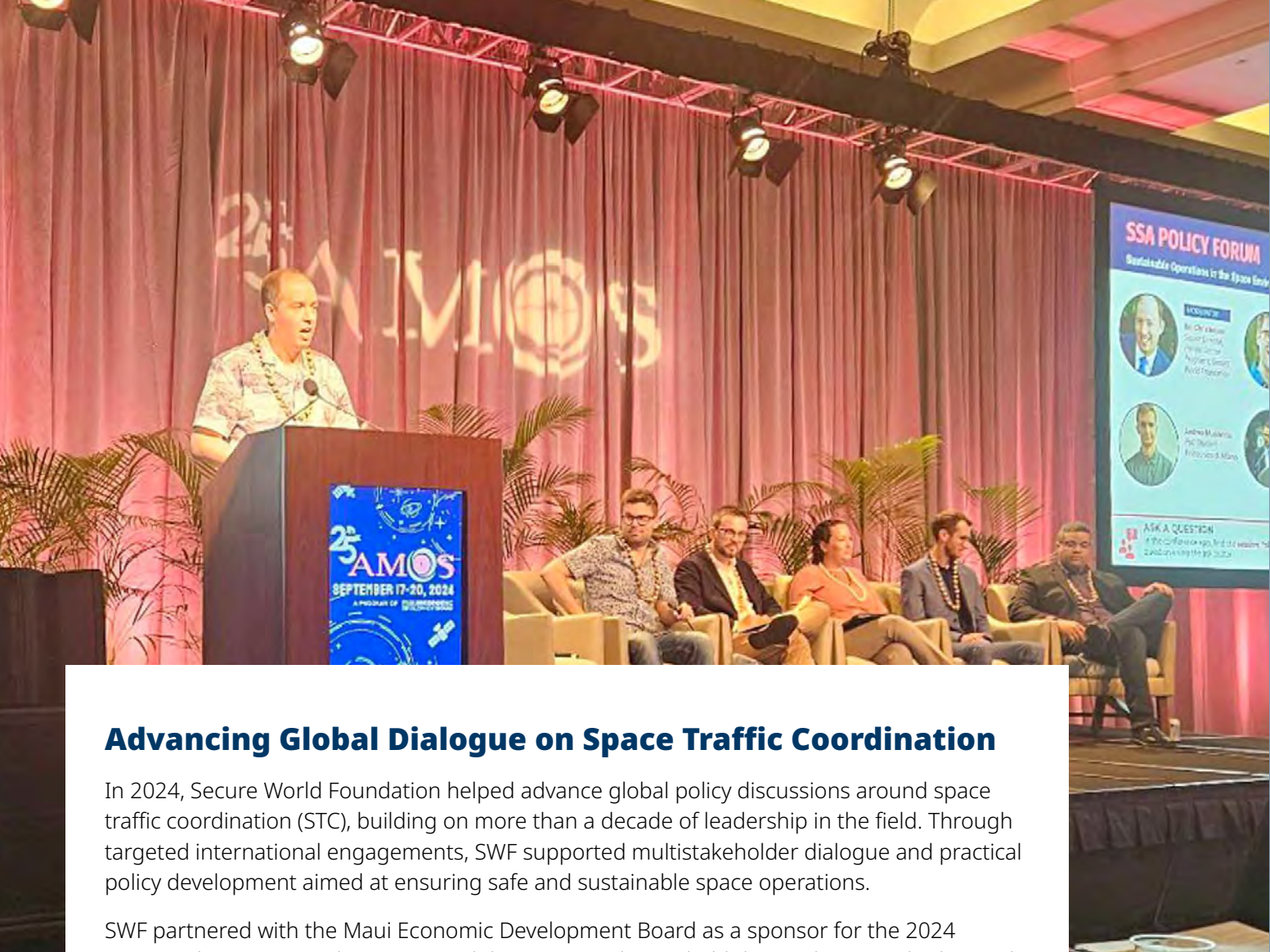
In partnership with the Agência Espacial Brasileira (AEB), the Secure World Foundation co-organized the 2024 International Workshop on Space Resources: Perspectives for Future Ecosystems, held November 21–22 at the São José dos Campos Technology Park in Brazil. This event built on the success of the 2023 workshop in South Korea, continuing a global conversation about the role of space resource activities in shaping future space ecosystems.

The workshop convened 124 participants from nine countries, including representatives from government, academia, and the private sector. The program featured keynote presentations from the U.S. Department of State on the Artemis program and the China National Space Administration on the International Lunar Research Station. These sessions emphasized that collaboration across international initiatives remains possible and encouraged.

Panel discussions explored a broad range of topics, including scientific knowledge, policy and legal considerations, commercial activity, and future use cases for space resources. Speakers highlighted regional efforts across Latin America and stressed the value of cross-sector collaboration. Notably, discussions addressed the need to align investments in space exploration with national development priorities, particularly for emerging space programs.

Agency briefings from Argentina, Brazil, South Africa, Uruguay, and South Korea offered valuable insights into regional strategies and partnership approaches. The workshop concluded with roundtable sessions designed to build consensus on the types of space resource activities that could support future sustainable space ecosystems.

SWF led agenda development, provided event facilitation, and supported travel for several invited experts. This workshop reflects SWF's commitment to inclusive, regionally grounded dialogue that informs global discussions on space sustainability.



Advancing Global Dialogue on Space Traffic Coordination

In 2024, Secure World Foundation helped advance global policy discussions around space traffic coordination (STC), building on more than a decade of leadership in the field. Through targeted international engagements, SWF supported multistakeholder dialogue and practical policy development aimed at ensuring safe and sustainable space operations.

SWF partnered with the Maui Economic Development Board as a sponsor for the 2024 AMOS Policy Forum and co-organized the AMOS Dialogue, held during the annual Advanced Maui Optical and Space Surveillance Technologies (AMOS) Conference. SWF staff led and moderated high-level discussions exploring space situational awareness (SSA) data sharing between the US and China, emerging military data coordination practices, and the evolving needs for SSA in support of novel commercial missions. The AMOS Dialogue, an invite-only, non-attribution roundtable, focused on the policy and licensing implications of supporting emerging space activities, such as in-space servicing, assembly, and manufacturing (ISAM), and cislunar operations.

To support regional policy implementation, SWF also partnered with the Office for Space Technology & Industry (OSTIn) in Singapore to convene a half-day expert exchange seminar on the margins of the 33rd ASEAN Sub-Committee on Space Technology and Applications (SCOSA). The workshop brought together officials from national space agencies and independent experts to examine strategies for integrating sustainability into national regulatory frameworks. The conversation highlighted the role of transparency, national licensing practices, and regional coordination in preserving long-term space access.

At the multilateral level, SWF moderated the 2024 Space Bridge workshop on Space Traffic Management and Coordination, organized by the United Nations Office for Outer Space Affairs. Held under Chatham House rules at UN Headquarters in New York, the meeting gathered technical and policy stakeholders from around the world to identify practical next steps for advancing global STC. Key themes included improving data transparency, developing internationally agreed standards for information sharing, and reducing barriers to international cooperation.

Together, these efforts reflect SWF's commitment to fostering an actionable dialogue that connects technical realities to policy solutions across regions, sectors, and institutions, promoting safe and responsible behavior in an increasingly crowded space environment.



2024 Space Sustainability Fellows

In 2024, the Secure World Foundation supported legal researcher Charlie JP Bennett as a Space Sustainability Research Fellow, focusing on the conditions and processes that shape effective arms control treaties. His fellowship investigated the foundational question: what does it take to build a treaty that actually works?

Over four months, Bennett conducted in-depth interviews with 22 current and former diplomats, negotiators, and legal experts. He also analyzed ten historical arms control agreements across various domains, looking for shared features of treaties that have achieved widespread adoption, demonstrated compliance, and resulted in real harm reduction. His findings revealed key lessons on how treaties are formed, including which subjects lend themselves to formal agreements, how drafting processes evolve, and the roles that governments, civil society, and industry can play in shaping outcomes.

In February 2025, SWF hosted a public webinar where Bennett discussed the results of his research alongside SWF Chief Director Victoria Samson. The session unpacked the implications of his findings for ongoing space security dialogues at the United Nations. It raised important considerations for how future agreements, such as a potential treaty on anti-satellite weapons, might be structured and socialized.

Bennett joined SWF as a 2024 Fellow through the Space Court Foundation's Space Sustainability Research Scholarship. He holds dual LL.M degrees in Public International Law and European Law cum laude from Leiden University and works as a Legal Research Officer in European Law. His report, *Evolution of Treaties: From Conception to Birth*, is available on the SWF website.

Through this fellowship, SWF continues to build an evidence base for responsible space governance and supports the next generation of space policy thinkers.



SWF Publishes FAQ on Russia's Alleged Nuclear Anti-Satellite Weapon

In June 2024, the Secure World Foundation published a detailed Frequently Asked Questions (FAQ) document addressing global concerns over reports that Russia may be developing a nuclear-based anti-satellite (ASAT) weapon. Authored by SWF Chief Director of Space Security and Stability Victoria Samson and Program Assistant Seth Walton, the publication offers a fact-based and accessible analysis of the reported ASAT capability, relevant international legal frameworks, and potential implications for the space environment.

The FAQ was prompted by media coverage and official statements from the United States suggesting that Russia could be pursuing a nuclear explosive device for space-based use. The document clarifies that, according to open-source information, no such weapon has been tested or deployed. It identifies COSMOS-2553 as the likely satellite under scrutiny and explains the possible strategic purpose of its unique orbital characteristics.

The FAQ also examines two 2024 United Nations Security Council resolutions—one sponsored by the United States and Japan and another by Russia and several allied states—both of which failed to pass. These resolutions highlighted the diverging international positions on the prevention of weaponization of outer space.

Crucially, the document outlines the legal prohibitions established by the 1967 Outer Space Treaty and the 1963 Partial Test Ban Treaty, both of which bar the placement or testing of nuclear weapons in orbit. It details the operational risks posed by a nuclear detonation in space, including immediate and long-term damage to satellites and the potential creation of persistent high-radiation environments.

This publication is part of SWF's ongoing efforts to inform public understanding of space security threats and support international dialogue on responsible behavior in outer space. It reinforces SWF's commitment to transparency, peaceful use of outer space, and the prevention of conflict through accurate, timely, and policy-relevant analysis.

ESPAÇO EXTERIOR: UM OLHAR MULTIDISCIPLINAR SOBRE O FUTURO DA HUMANIDADE

Enhancing Multilateral Approaches to Outer Space Governance

In November 2024, the Secure World Foundation contributed to a bilingual publication from Brazil's Air Force University (UNIFA), with Executive Director Dr. Peter Martinez and Chief Director, Space Security and Stability Victoria Samson, co-authoring a chapter alongside Bruno Martini and Maria Célia Barbosa Reis da Silva. Titled *The Prospects of Brazil's Strategy Towards the Pledge on Non-Destructive DA-ASAT Missile Tests*, the chapter explores Brazil's engagement with international efforts to promote norms of responsible behavior in space.

Published in *Espaço Exterior: Um Olhar Multidisciplinar sobre o Futuro da Humanidade*, the volume was released in conjunction with the seminar *Espaço Exterior como Ambiente de Inovação, Regulação, Segurança e Cooperação*, co-hosted by the Brazilian Space Agency (AEB) and UNIFA. Featuring contributions in both Portuguese and English, the publication addresses topics such as orbital debris mitigation, commercial space growth, and the evolving global landscape of space governance.

The co-authored chapter examines how Brazil's support for UN General Assembly resolution 77/41 calling on countries to pledge not to conduct destructive direct-ascent anti-satellite (DA-ASAT) testing aligns with its broader national strategy. It analyzes the potential for this pledge to serve as a confidence-building measure, reduce operational risks in orbit, and contribute to the development of shared international norms. The authors emphasize how voluntary commitments like this can support multilateral governance frameworks, particularly when combined with diplomatic engagement at the United Nations and other international forums.

By participating in this publication, SWF continues to advance regional space security dialogues through multilateral collaboration and the development of practical measures for space sustainability. The volume underscores the importance of interdisciplinary and international approaches to navigating the challenges of an increasingly contested and congested orbital environment.

SINC 2024

APRIL 23-25 • MALDIVES



Expanding Space Security Dialogue at the Second Space for Island Nations Conference

Secure World Foundation significantly expanded its engagement on global space security issues by co-organizing key activities at the second Space for Island Nations Conference (SINC), held in Malé, Maldives, in April 2024. In partnership with the United Nations Institute for Disarmament Research (UNIDIR) and the Maldives Space Research Organisation (MSRO), SWF convened a high-level panel and a closed workshop focused on the unique space security concerns of Small Island Developing States (SIDS).

The public panel, Space Security and Sustainability: Why Is It Essential for Small Island Nations, brought together space policy experts and island state representatives to explore how geopolitical developments, counterspace threats, and increasing reliance on space infrastructure intersect with the interests and vulnerabilities of SIDS. Speakers emphasized the growing importance of satellite-enabled services—such as disaster response, maritime domain awareness, and connectivity—and the potential consequences of space insecurity for island communities.

In a follow-up closed-door workshop, SWF and its partners facilitated an in-depth roundtable discussion under the Chatham House Rule. The workshop encouraged regional collaboration, highlighted the role of non-governmental actors such as MSRO, and explored how island nations can assert their perspectives in international forums, including the UN Committee on the Peaceful Uses of Outer Space (COPUOS).



Outer Space Security Conference 2024

The Secure World Foundation was proud to serve again as a sponsor for the 2024 Outer Space Security Conference (OS24), held in Geneva and online from September 10 to 11. Organized by UNIDIR, OS24 brought together over 700 participants from governments, academia, civil society, and the commercial sector to examine pressing challenges and multilateral initiatives aimed at preventing an arms race in outer space.

SWF's Chief Director for Space Security and Stability, Victoria Samson, served as moderator for both the opening panel, "Mapping Threats and Risks to Space Security," and the concluding panel on transparency and confidence-building measures (TCBMs). These discussions focused on the growing complexity of the space security landscape, the risk of escalation from ambiguous activities, and the continued relevance of multilateral transparency tools and legal norms.

The event drew more than 700 participants from across the diplomatic, academic, industry, and civil society sectors, with over 30 speakers representing 19 countries. Nearly half of the speakers were women, and many brought perspectives from underrepresented regions, helping ensure a broad and inclusive dialogue. The conference also showcased youth voices through a video competition supported by another partner, the Centre for International Governance Innovation (CIGI). These elements demonstrate the conference's value not just as a technical forum, but also as a platform for elevating diverse leadership in global space security conversations. For SWF, OS24 also provided an opportunity to advance its role as a trusted convener and thought leader on arms control in outer space, while directly supporting the next generation of experts and expanding awareness of flagship publications, such as the *Global Counterspace Capabilities: An Open Source Assessment*.



Engaging with the ITU on Space Sustainability

In May 2024, Secure World Foundation participated in the inaugural Space Sustainability Forum hosted by the International Telecommunication Union (ITU) in Geneva, Switzerland. The event brought together a diverse group of stakeholders from the telecommunications and space sectors, including regulators, commercial operators, multilateral institutions, and representatives from civil society. SWF Senior Director for Private Sector Programs, Ian Christensen, was invited as a panelist and delivered remarks on the role of non-governmental organizations in supporting the long-term sustainability of space activities.

The Forum represented a unique opportunity to bridge communities that often operate in parallel, those focused on spectrum management and those focused on broader space governance. Discussions addressed best practices, guidelines, and strategies for ensuring that future space activities remain safe and accessible. While competitive tensions between geostationary and non-geostationary satellite operators, as well as between governance venues such as the ITU and COPUOS, were acknowledged, the Forum maintained a collaborative tone throughout its discussions. Notably, the ITU Secretary-General remained present for a substantial portion of the event, signaling the organization's high-level commitment to sustainability objectives.



SWF Contributes to the Space Security and Sustainability Dialogue at the International Astronautical Congress 2024

Secure World Foundation participated in the 75th International Astronautical Congress (IAC), held in Milan, Italy, in October 2024. As the world's largest annual gathering of space professionals, IAC provided an ideal venue for SWF to showcase its research, promote key publications, and engage with the global space policy community.

SWF staff contributed six papers to the congress proceedings, covering a wide range of space security and sustainability topics. These included analyses of norm development related to destructive anti-satellite (ASAT) testing, frameworks for accelerating active debris removal, and a comparative review of space sustainability principles to support long-term economic activity in orbit. Dr. Peter Martinez introduced the 2024 edition of SWF's Handbook for New Actors in Space and distributed hard copies to those in the audience. Additional presentations explored legal logic in space law and the role of best practices in shaping sustainable space governance.

Beyond formal presentations, SWF used the opportunity to deepen stakeholder engagement. SWF staff distributed hard copies of several publications and used the opportunity to identify potential signatories to SWF's Industry Statement in Support of International Commitments Not to Conduct Destructive ASAT Tests. As part of the Foundation's broader commitment to space safety, Executive Director Dr. Peter Martinez signed the European Space Agency's Zero Debris Charter on SWF's behalf during the event, endorsing the goal of adding zero new debris to the orbital environment by 2030.



Engaging Multilateral Space Governance: SWF at UN COPUOS 2024

Secure World Foundation continued its long-standing engagement with the United Nations Committee on the Peaceful Uses of Outer Space (COPUOS) in 2024, contributing formal statements across all three annual sessions: the Scientific and Technical Subcommittee (STSC), the Legal Subcommittee (LSC), and the main COPUOS session. These interventions highlighted SWF's commitment to advancing effective space governance and the peaceful, sustainable use of outer space.

At the 61st session of the STSC in February, Dr. Brian Weeden delivered a general statement emphasizing SWF's recent activities, including international workshops, participation in space traffic coordination efforts, and the publication of resources such as the updated COPUOS Briefing Book. The statement reinforced SWF's commitment to building technical and policy capacity around space sustainability.

In April, at the 63rd session of the LSC, Ian Christensen presented under Agenda Item 5 on the activities of non-governmental organizations, spotlighting SWF's contributions to legal and regulatory discussions on space sustainability. Under Agenda Item 6, Christopher Johnson emphasized the relevance of the Outer Space Treaty and advocated for capacity-building to support broader implementation of space law, particularly among emerging space nations.

At the June plenary of the 67th COPUOS session, SWF delivered two statements. The general exchange of views, presented by Christopher Johnson, showcased the organization's flagship initiatives, including the 2023 Summit for Space Sustainability and its ongoing collaboration with other observers to advocate for the protection of lunar science. The second statement, under Agenda Item 14, called attention to the operational challenges facing COPUOS due to its growing membership and limited meeting time and proposed practical steps to enhance its agility, inclusivity, and effectiveness.

2024

Facts and Figures

2024 Activities By The Numbers



*Year-on-Year growth from 2023 to 2024

Our Partners in 2024

Academia Nacional de Estudios Políticos y
Estratégicos (ANEPE)

Amazon | Project Kuiper

Alliance of Small Island States (AOSIS)

Astroscale

AstroAgency

Axelspace

BryceTech

Cabinet Office, Space Policy Secretariat, Government
of Japan

Centre for International Governance Innovation (CIGI)

ESG in Space

European Commission

European Space Agency (ESA)

European Space Policy Institute (ESPI)

ExoAnalytic Solutions

Exolaunch

Exotrail

Fondation pour la Recherche Stratégique (FRS)

Gakushuin University

Georgia Institute of Technology

Global Satellite Operators Association (GSOA)

GraSPP – The University of Tokyo

HEO

Hokkaido University

Infostellar

International Astronautical Federation (IAF)

International Telecommunication Union (ITU)

Kongsberg Satellite Services

LeoLabs

Look Up Space

LÚNASA

Luxembourg Space Agency

Maldives Space Research Organisation (MSRO)

Max Planck Institute for Comparative Public Law and
International Law

Mitsubishi Electric

National Oceanic and Atmospheric Administration (NOAA)

NEC

Neuraspace

Philippine Space Agency (PhilSA)

Planet

Portuguese Space Agency

PricewaterhouseCoopers (PwC)

Reaction Engines (UK)

Shandong University

SKY Perfect JSAT Corporation

Slingshot Aerospace

Sophia University

Space BD

Space Exploration and Research Agency (SERA)

Space Generation Advisory Council (SGAC)

Philippine Space Agency (PhilSA)

Spaceflux

SpaceNews

SpaceTide

SpaceWatch.Global

SSC – Swedish Space Corporation

The Aerospace Corporation

UK Foreign, Commonwealth & Development Office (FCDO)

UK Space Agency

United Nations Institute for Disarmament
Research (UNIDIR)

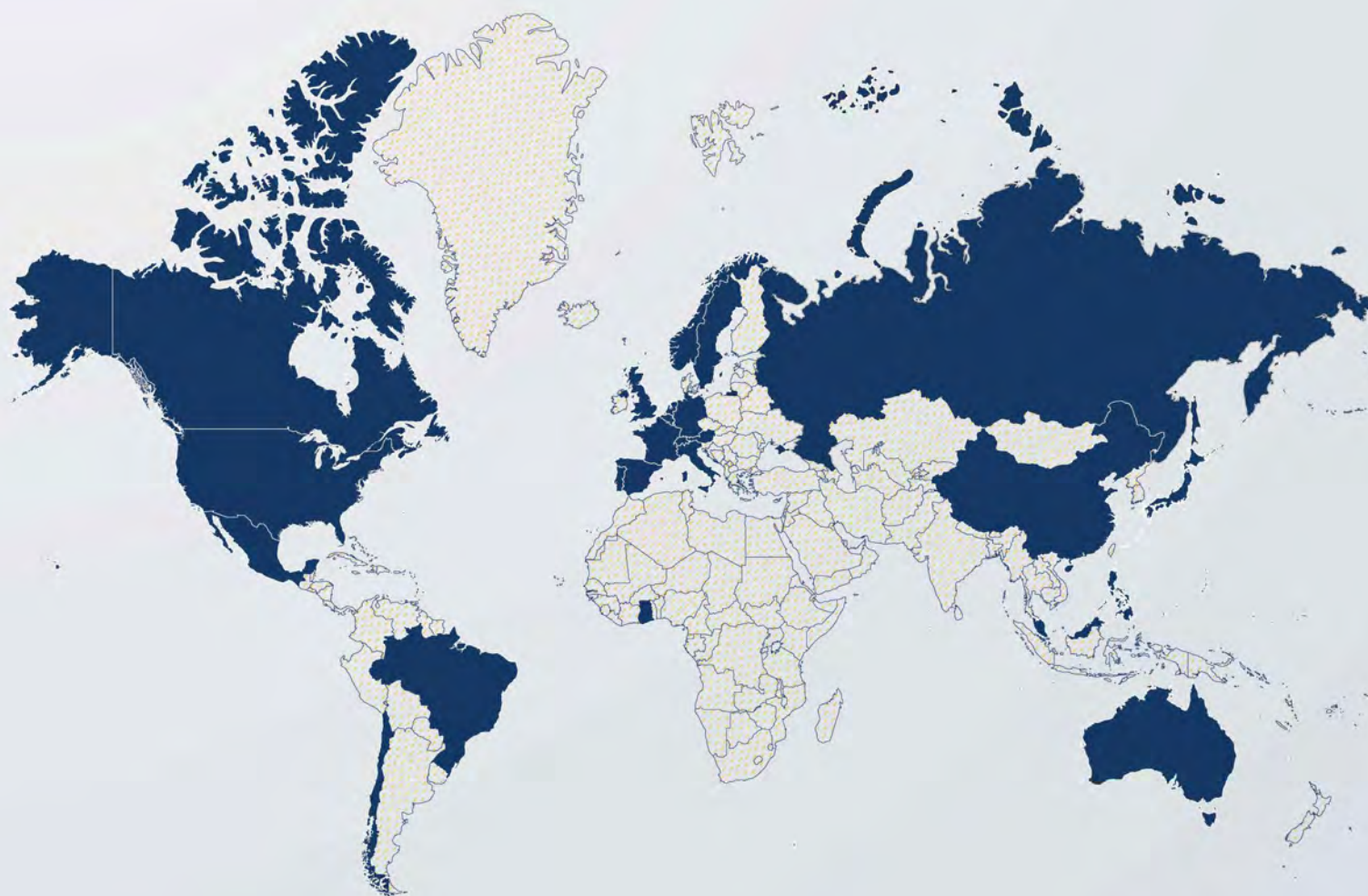
United Nations Office for Outer Space Affairs (UNOOSA)

University of Cape Coast (Ghana)

Viasat

Wuhan University Institute of International Law

Yuhang Zhishi

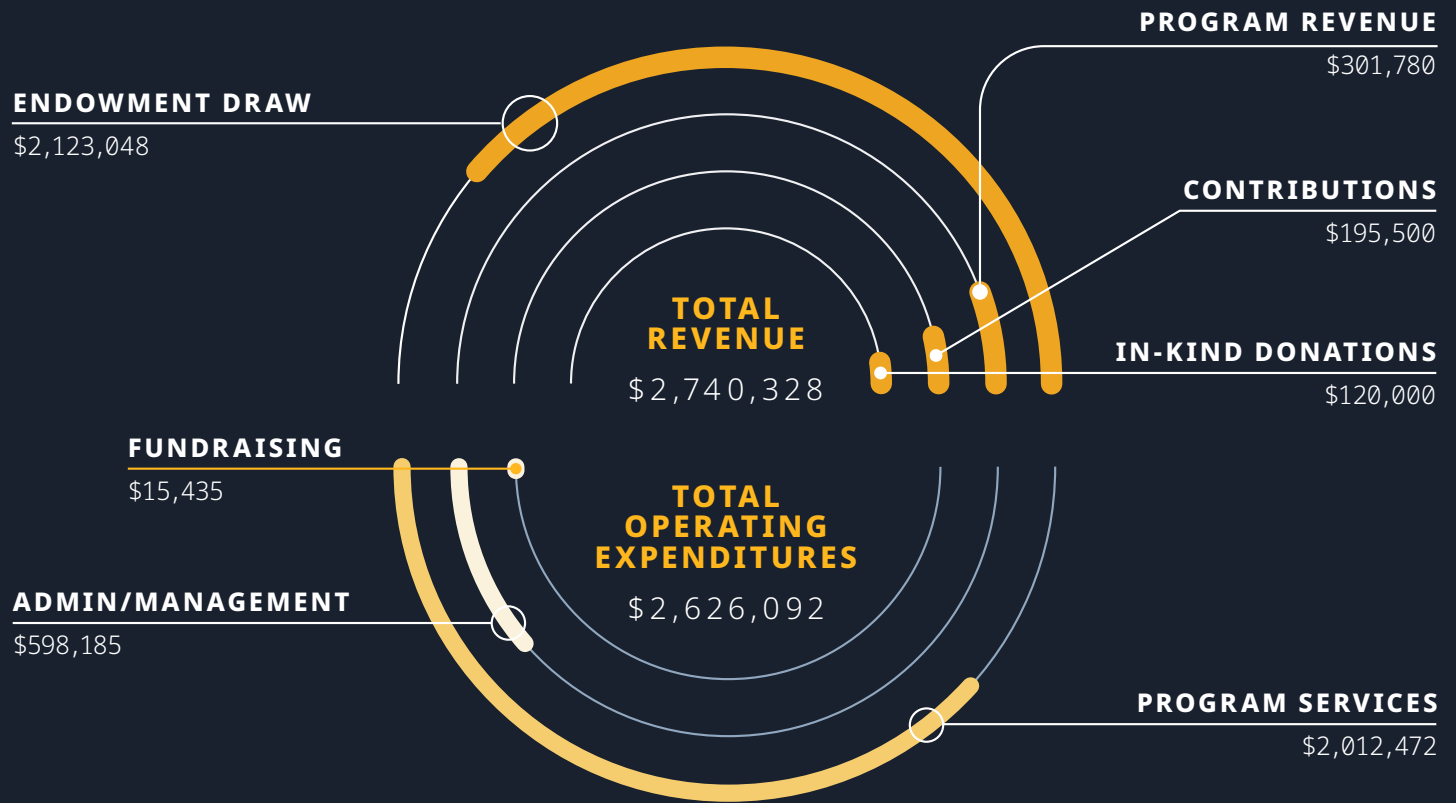


SWF staff accomplished nearly all of its activities in 2024 in collaboration with other organizations.

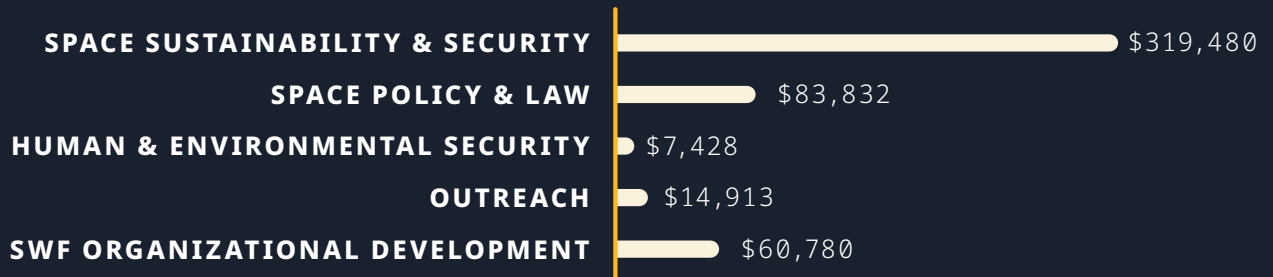
We continued to build strong, results-oriented partnerships across governments, academia, civil society, intergovernmental institutions, and the private sector, bringing diverse voices and resources to bear on space sustainability and security challenges. In 2024, SWF partnered with more than 40 organizations from around the world to deliver workshops, research, policy dialogues, and public engagement initiatives.

SWF staff participated in or co-organized over 80 events, both in-person and virtual, across 36 cities in 23 countries. Highlights included collaborating with the Government of Japan for the 6th Summit for Space Sustainability, supporting the Maldives Space Research Organisation (MSRO) and UNIDIR on a workshop for small island nations, supporting the Brazilian Space Agency (AEB) and UNIFA in publishing a bilingual book on the future of space activities; and contributing to the International Astronautical Congress (IAC) in Milan alongside space actors from around the globe.

A Snapshot of SWF's 2024 Finances



2024 PROJECT EXPENDITURES



Board, Advisory Committee, and Staff in 2024

STAFF

- Dr. Peter Martinez**, *Executive Director*
- Lisa Croy**, *Chief Operating Officer*
- Dr. Brian Weeden**, *Chief Program Officer (resigned in April)*
- Krystal Azelton**, *Senior Director, Program Planning (from 2024)*
- Victoria Samson**, *Chief Director, Space Security and Stability*
- Ian A. Christensen**, *Senior Director, Private Sector Programs (from 2024)*
- Christopher D. Johnson**, *Space Law Advisor*
- Matthew Eckford**, *Director, Development (joined in December)*
- Robert Pemberton**, *Director, Communications*
- Damaris Thomas**, *Communications Manager (joined in September)*
- Elizabeth Hunter**, *HR Manager and Executive Assistant to Dr. Martinez (formerly Elizabeth Blevins)*
- Emily Kunasek**, *Program Associate (joined in September)*
- Raquel Toto**, *Colorado Operations Associate (joined in December)*
- Zilin “Elizabeth” Tang**, *Partnerships & Contracts Manager (joined in August)*
- Eileen Holtry**, *Finance Manager*
- Seth Walton**, *Program Associate (resigned in July)*
- Bailey Geist**, *Operations Associate (resigned in December)*
- Kelly Moulton**, *Bookkeeper*
- Tamara Tanso**, *DC Operations Associate*

ADVISORY COMMITTEE

- Mr. Jim Bridenstine**
- Ms. Ariane Cornell**
- Ms. Laura Delgado López**
- Mr. Bruce McClintock**
- Ms. Elina Morozova**
- Ms. Ruth Pritchard-Kelly**
- Ms. Audrey Schaffer**
- Dr. Beyza Unal**
- Dr. Guoyu Wang**
- Dr. Jessica West**

BOARD

- Cynda Collins Arsenault**, *President, and Co-founder*
- William Van Rensalier Parker**, *Vice President*
- Marcel Arsenault**, *Treasurer, and Co-founder*
- Dr. Angie Bukley**, *Secretary*
- Dr. Michael K. Simpson**, *Community Member*
- Marcia S. Smith**, *Community Member*



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