

The logo for SIPRI, consisting of the lowercase letters 'sipri' in a white serif font, positioned on a red rectangular background.

**STOCKHOLM INTERNATIONAL
PEACE RESEARCH INSTITUTE**

ANNUAL REVIEW 2022

A decorative graphic at the bottom of the page consisting of numerous thin, light blue wavy lines that create a sense of movement and depth against the dark blue background.

STOCKHOLM INTERNATIONAL PEACE RESEARCH INSTITUTE

SIPRI is an independent international institute dedicated to research into conflict, armaments, arms control and disarmament. Established in 1966, SIPRI provides data, analysis and recommendations, based on open sources, to policymakers, researchers, media and the interested public.

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WELCOME TO SIPRI'S ANNUAL REVIEW 2022

In 2022, parallel crises of insecurity and environmental deterioration challenged global stability. The war in Ukraine, tensions in Taiwan and North Korea's missile tests exemplify contemporary dangers. While these events received significant media coverage, there were well over 50 other violent conflicts around the world that went largely unnoticed. These conflicts—though currently less deadly than the war in Ukraine—include many that could escalate quickly.

In August 2022, the Non-Proliferation Treaty review conference was held, with disappointing results. Tensions between Russia and the West blocked agreement. The need for more international cooperation on peace and security issues is greater than ever but the appetite for it is lower than for several decades.

At the same time, climate change had a heavy impact in 2022. Record-breaking droughts in China and in Europe and the inundation of 35 per cent of Pakistan were among the most spectacular and damaging consequences. Likewise, food insecurity and poverty remained major concerns. The war in Ukraine has driven up world food and energy prices, contributing to a widespread cost-of-living crisis. It is a cause of deep concern that the link between food insecurity, political upheaval, social instability, and conflict is well established.

The current security architecture and institutions are being questioned, their deficiencies analysed and alternatives explored. The United Nations Security Council has returned to a state similar to the cold war, with great powers able to veto any action affecting their interests. As a result, other UN bodies, such as the General Assembly and the Economic and Social Council, may move centre stage on matters of peace and security.

SIPRI remains a crucial player in the conversation about international peace and security. The increased media coverage of SIPRI data and the *Environment of Peace* policy report shows that there is growing concern regarding the stability and security of the world. With its impartiality and integrity, SIPRI's contribution to the global dialogue on managing risk and promoting peace is more important than ever. The situation in Ukraine and the depth and breadth of environmental challenges are powerful reminders of the magnitude of the task at hand.

For a more peaceful world,

Dan Smith
Director



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JANUARY 2022

EMERGING TECHNOLOGIES

SIPRI has a long history of monitoring key developments in science and technology and exploring how these developments could undermine or enhance peace and security, fuel and transform conflicts, and be dealt with through existing or new governance frameworks. In 2022, SIPRI's work on emerging military and security technologies focused on generating a deeper and common understanding of what international humanitarian law (IHL) requires, permits and prohibits as regards the development and use of autonomous weapon systems (AWS). In particular, SIPRI published a report on accountability for violations of IHL involving AWS, which aimed to inform policymakers and support the formulation of policy measures that could help to uphold respect for IHL. The body of work on emerging technologies also included identifying points of convergence and divergence in the cyber postures of China, Russia, the United States and the European Union.



A visual representation of the relationship between internationally wrongful acts, international humanitarian law violations and international crimes.



SIPRI hosts a workshop on international humanitarian law compliance in relation to autonomous weapon systems, 10–11 November.

14 JANUARY: SIPRI film

SIPRI releases the Peace Points film 'Perspectives for 2022—Hot Wars and Cold War?'.

20 JANUARY: SIPRI publication

Dr Caroline Delgado and Dr Kristina Tschunkert publish the paper *Food Systems in Conflict and Peacebuilding Settings: Ways Forward*.

21 JANUARY: SIPRI commentary

Dr Mark Bromley, Giovanna Maletta and Ruben Nicolin write the topical backgrounder 'SALW-related assistance to states in sub-Saharan Africa: Hitting the target or missing the mark?'.

24 JANUARY: SIPRI publication

Alexandra Marksteiner, Dr Diego Lopes da Silva and Dr Nan Tian publish the paper *Pathways for Reducing Military Spending in Post-civil Conflict Settings*.

24 JANUARY: SIPRI film

SIPRI releases the Peace Points film 'Perspectives for 2022—Environment of Peace'.

25 JANUARY: SIPRI commentary

Dr Issaka Souaré writes the blog 'What does 2022 have in store for Africa?'.

25 JANUARY: SIPRI event

SIPRI and the United Nations Development Programme (UNDP) organize a joint virtual consultation to inform the preparations for two flagship reports, SIPRI's Environment of Peace report and UNDP's 2021–22 *Human Development Report*.



SIPRI interviews Jörg Balsiger, Associate Professor at the University of Geneva and Environment of Peace panellist, as part of the Institute's Environment of Peace initiative, 25 January.



Dan Smith, SIPRI Director, and Stephanie Blenckner, SIPRI Communications Director, record the Peace Points film 'Perspectives for 2022—Hot Wars and Cold War?', 14 January.



Dr Malin Mobjörk, Senior Research Officer, Formas, during the webinar 'Security, Insecurity and the Anthropocene', 15 February.

1 FEBRUARY: SIPRI commentary

Dan Smith, Dr Sibylle Bauer and Dr Tytti Erästö write the essay 'The logic of avoiding nuclear war'.

1 FEBRUARY: SIPRI commentary

Kolja Brockmann and Dr Markus Schiller write the topical backgrounder 'A matter of speed? Understanding hypersonic missile systems'.

2 FEBRUARY: SIPRI publication

Kheira Tarif publishes the paper *Climate Change and Violent Conflict in West Africa: Assessing the Evidence*.

2 FEBRUARY: SIPRI film

SIPRI releases the Peace Points film 'Perspectives for 2022—Arms Control'.

15 FEBRUARY: SIPRI event

SIPRI hosts the webinar 'Security, Insecurity and the Anthropocene'.

19 FEBRUARY: SIPRI event

SIPRI hosts a roundtable discussion on the theme 'An Environment of Peace: The Challenge of Securing both Peace and a Sustainable Environment' at the 2022 Munich Security Conference.

24 FEBRUARY: SIPRI news

SIPRI welcomes Mohamed Ibn Chambas as a new member of its Governing Board.

28 FEBRUARY: SIPRI film

SIPRI releases an interview with Ma Jun, Environment of Peace panellist.



SIPRI welcomes Mohamed Ibn Chambas, former Special Representative of the UN Secretary-General for West Africa, to the Governing Board, 24 February.

FEBRUARY 2022

WAR IN UKRAINE: THE IMPACT ON EUROPEAN SECURITY AND GLOBAL FOOD SUPPLY

In February 2022, Russia began its full-scale war on Ukraine. Nobody expected or could predict the type of war being witnessed: a contemporary interstate war in Europe. This large-scale invasion has had repercussions across the geopolitical, humanitarian, financial, food and energy domains, as well as devastating ecological impacts. Throughout the year, SIPRI has kept abreast of discussions on the impact of the war in Ukraine on military spending, the development of new weapons and the role of information warfare, the effects on the global multilateral system and regional dynamics, and the complexities surrounding the protection of civilians.

A series of publications, commentaries and events explored the ripple effects of the war on food security, including far beyond Ukraine's borders. The worsening global food insecurity that has followed is a stark reminder of the links that exist between hunger and conflict, and of the critical need for global leaders to recognize and act on these links.



Left: A damaged building in Kharkiv, Ukraine, after Russian rocket strikes.

Right: Some of SIPRI's work in 2022 looked at the impact of the war in Ukraine on food security.

MARCH 2022

A FOCUS ON AFRICA

The SIPRI Sahel and West Africa Programme continues to engage in activities and analysis to contribute to a better understanding of local perceptions and to inform policymakers and practitioners about the needs and priorities of local populations. In 2022, as part of the European-Union funded project ‘Central Mali for Security and Development’, SIPRI and its partner, Point Sud, produced a short, full-colour comic book, *Écoutez-nous!* (Hear us!), telling the story of the project from its conception to its recommendations. *Écoutez-nous* is available in French and three of central Mali’s main local languages: Bambara, Dogon and Fulani.

SIPRI continues to engage in research that seeks to better understand global and regional security dynamics and their interplay in Africa. This body of work has included several publications on illicit small arms and light weapons (SALW) and the mapping of SALW control-related assistance in sub-Saharan Africa.



Left: Light weapons destroyed at a ceremony in Abidjan, Côte d'Ivoire.
Top right: Panels from the SIPRI–Point Sud comic book *Écoutez-nous!* (Hear us!).
Bottom right: A map of countries with ND-GAIN Country Index scores.

3 MARCH: SIPRI film

SIPRI releases an interview with Dr Robert Floyd, Executive Secretary of the Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO).

8 MARCH: SIPRI publication

Elizabeth Smith publishes the paper *Gender Dimensions of Climate Insecurity*.

13 MARCH: SIPRI publication

Alexandra Kuimova, Siemon T. Wezeman and Pieter D. Wezeman publish the fact sheet *Trends in International Arms Transfers, 2021*.

17 MARCH: SIPRI news

SIPRI welcomes Stefan Löfven as the new Chair of the Governing Board.

17–18 MARCH: SIPRI event

SIPRI hosts an expert workshop entitled ‘Towards a New Civilian CSDP Compact’.

22 MARCH: SIPRI news

As part of the Expert Group for Aid Studies (EBA), Dr Jannie Lilja and Dr Gary Milante launch the EBA study *Practicing Peacebuilding Principles: A Study of Sweden's Engagement in Fragile and Conflict-Affected States*.

25 MARCH: SIPRI commentary

Alexandra Marksteiner writes the blog ‘Explainer: The proposed hike in German military spending’.

30 MARCH: SIPRI event

SIPRI hosts a seminar entitled ‘Strengthening the Gender Focus in Disarmament and Non-proliferation’.



The Swedish Government appoints Stefan Löfven as Chair of the SIPRI Governing Board, 17 March.



Timo Smit, SIPRI Researcher, hosts an expert workshop entitled ‘Towards a New Civilian CSDP Compact’, 17–18 March.



Dr Jannie Lilja, SIPRI Director of Studies, launches an Expert Group for Aid Studies report, 22 March.



SIPRI releases the film 'Battlefields of the Future: Trends of Conflict and Warfare in the 21st Century', based on discussions recorded during the 2021 Stockholm Security Conference, 8 April.



Some of SIPRI's work in 2022 looked at the volatile situation in Libya.

1 APRIL: SIPRI commentary

Dr Caroline Delgado writes the blog 'War in the breadbasket: The ripple effects on food insecurity and conflict risk beyond Ukraine'.

4 APRIL: SIPRI commentary

Dr Kristina Tschunkert and Amal Bourhrous write the blog 'War in the breadbasket: The impacts of the war in Ukraine on food security and stability in Lebanon'.

4 APRIL: SIPRI publication

Dr Farah Hegazi, Dr Vongai Murugani, Grazia Pacillo and Peter Läderach publish the paper *The World Food Programme's Contribution to Improving the Prospects for Peace in Ethiopia*.

6 APRIL: SIPRI commentary

Marie Riquier writes the blog 'War in the breadbasket: Hunger and the humanitarian fallout from the war in Ukraine'.

7 APRIL: SIPRI publication

Kolja Brockmann and Dmitry Stefanovich publish the paper *Hypersonic Boost-glide Systems and Hypersonic Cruise Missiles: Challenges for the Missile Technology Control Regime*.

8 APRIL: SIPRI film

SIPRI releases an interview with Ambassador Rüdiger Bohn, Deputy Federal Government Commissioner for Disarmament and Arms Control, German Federal Foreign Office.

29 APRIL: SIPRI commentary

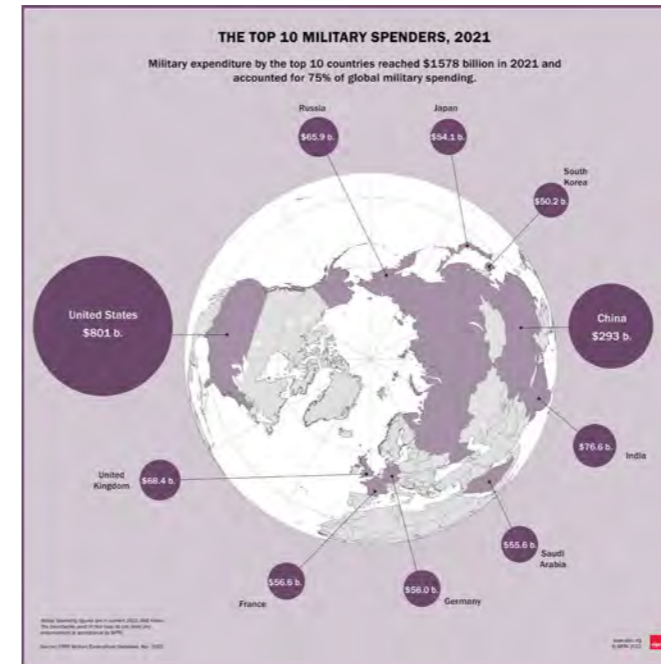
Amal Bourhrous writes the blog 'Libya's electoral limbo: The crisis of legitimacy'.

APRIL 2022

TRACKING MILITARY EXPENDITURE AND ARMS FLOWS

According to SIPRI's military expenditure data released in April 2022, global military spending continued to grow in 2021 for the seventh consecutive year, reaching an all-time high of \$2.1 trillion. The April data launch made impressions in over 4200 online news articles and broadcasts in the first five days of publication, demonstrating an increasing demand for reliable data on military spending, transfers of major weapons and the arms industry.

SIPRI's open access databases exemplify the Institute's core values of transparency and universality. The databases only use open sources that can be independently verified and include data for nearly every country. The five major data launches are released individually throughout the year and related, cutting-edge analysis is published in the SIPRI Yearbook.



A visual representation of the top 10 military spenders in 2021.

MAY 2022

THE STOCKHOLM FORUM ON PEACE AND DEVELOPMENT: ENVIRONMENT OF PEACE

2022 signalled that a convergence of crises is the ‘new normal’. The Covid-19 pandemic and its socio-economic effects are ongoing, and the world is grappling with failures to address old conflicts and prevent new ones. The broader effects of the Ukraine war and democratic backsliding are also taking place in parallel with an even more existential threat to human security: environmental destruction and the spiralling climate crisis. To help address these challenges, the 2022 Stockholm Forum was held on the theme ‘From a Human Security Crisis Towards an Environment of Peace’, considering how to secure peace in a time of environmental crisis.

A prominent milestone in conjunction with the 2022 Stockholm Forum was the launch of the major policy report *Environment of Peace: Security in a New Era of Risk*, offering policymakers principles and recommendations for navigating an uncertain future. The findings of the report were featured over 2000 times in online news articles and broadcasts in the first five days of publication.



Left: Nisreen Elsaim, President of the Sudan Youth Organization for Climate Change, identifies a fear of the implications of linking peace, security and climate change during her opening statement at the Stockholm Forum, 23 May.

Top right: An in-person audience watches the opening panel of the Stockholm Forum on ‘Securing Peace in a New Era of Environmental Risk’, 23 May.

Bottom right: (left to right) Dan Smith, SIPRI Director; Javeria Kella, Senior Officer, WWF Pakistan; Ilwad Elman, Chief Operating Officer, Elman Peace Centre; and Margot Wallström, former Swedish Minister for Foreign Affairs, launch the major policy report *Environment of Peace: Security in a New Era of Risk* at the Stockholm Forum, 23 May.

4 MAY: SIPRI publication

Dr Jaïr van der Lijn, Dr Virginie Baudais, Annelies Hickendorff, Paul D. Williams, Igor Acko, Souleymane Maïga and Hussein Yusuf Ali publish the paper *EU Military Training Missions: A Synthesis Report*.

6 MAY: SIPRI publication

Dr Elisabeth Sköns, Dr Michael Brzoska and Wuyi Omitoogun publish the paper *The Human Security Case for Rebalancing Military Expenditure*.

18 MAY: SIPRI news

SIPRI joins the relaunch of the Stockholm Hub on Environment, Climate and Security, a cross-institutional research collaboration supported by the Swedish Ministry for Foreign Affairs.

19 MAY: SIPRI film

SIPRI releases an interview with Ilwad Elman, Environment of Peace panellist.

22 MAY: SIPRI film

SIPRI releases the film ‘China’s Foreign Aid’, featuring Fei Su.

23 MAY: SIPRI publication

SIPRI publishes the major policy report *Environment of Peace: Security in a New Era of Risk*.

24 MAY: SIPRI event

SIPRI and the United Nations Office for Disarmament Affairs host the event ‘The 10th NPT Review Conference: Effective Measures for Nuclear Disarmament’.

27 MAY: SIPRI commentary

Dr Claudia Pfeifer writes the topical backgrounder ‘Multilateral peace operations in 2021: Developments and trends’.



HE Helen Clark, former Prime Minister of New Zealand and Administrator of the UN Development Programme, delivers the fourth annual SIPRI Lecture on the theme ‘Environment of Peace’, 23 May.



SIPRI launches the major policy report *Environment of Peace: Security in a New Era of Risk*, 23 May.



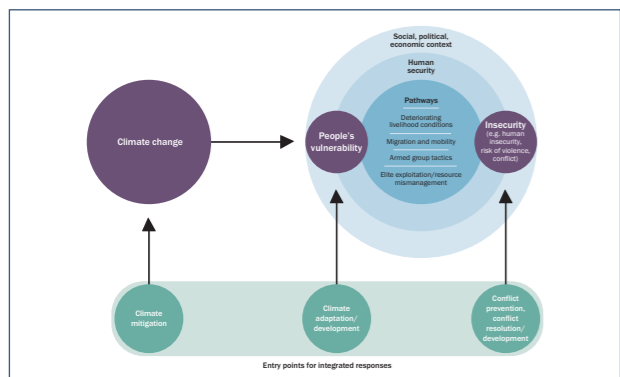
At the end of May, SIPRI bid farewell to its outgoing Chair of the Governing Board, Ambassador Jan Eliasson. Ambassador Eliasson served a 5-year term as Chair from 2017 until 2022.



SIPRI Yearbook 2022 assesses the current state of armaments, disarmament and international security.



SIPRI interviews Viola Csordas, Security Sector Reform Advisor, Geneva Centre for Security Sector Governance, as part of the film series 'Towards a New Civilian CSDP Compact', 16 June.



A visual representation of climate-related security pathways.

2 JUNE: SIPRI commentary

Stefan Löfven and Margot Wallström write the essay 'We must strengthen multilateralism in a new era of risk'.

9 JUNE: SIPRI publication

Dr Tytti Erästö publishes the paper *Revisiting 'Minimal Nuclear Deterrence': Laying the Ground for Multilateral Nuclear Disarmament*.

15 JUNE: SIPRI commentary

Annik Barnhoorn writes the blog 'Taking climate security forward in the OSCE'.

20 JUNE: SIPRI commentary

Xiao Liang writes the blog 'What can we learn from China's military aid to the Pacific?'.

21 JUNE: SIPRI publication

Emilie Broek and Christophe M. Hodder publish the paper *Towards an Integrated Approach to Climate Security and Peacebuilding in Somalia*.

21-22 JUNE: SIPRI news

SIPRI actively participates in the third edition of the Aswan Forum for Sustainable Peace and Development, which is on the theme 'Africa in an Era of Cascading Risks and Climate Vulnerability: Pathways for a Peaceful, Resilient and Sustainable Continent'.

29 JUNE: SIPRI publication

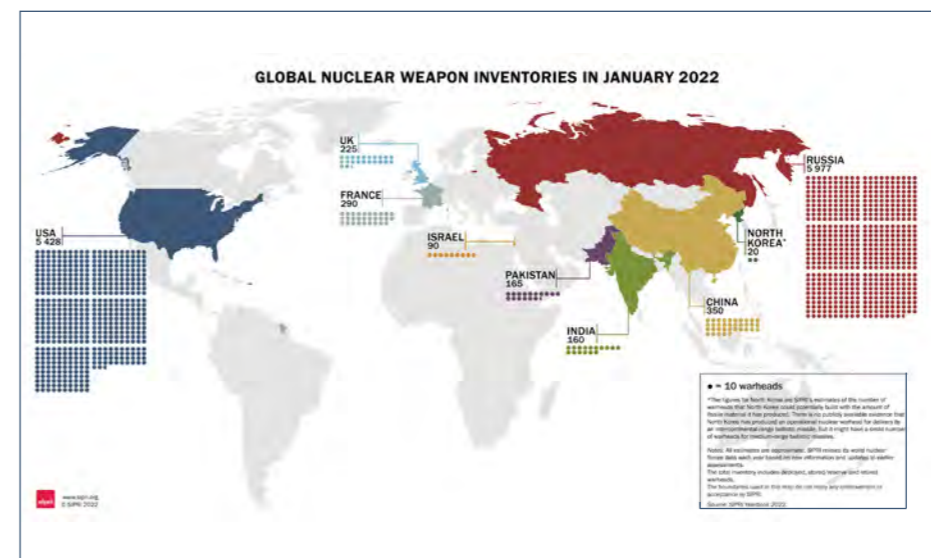
Giovanna Maletta and Lauriane Héau publish the paper *Funding Arms Transfers through the European Peace Facility: Preventing Risks of Diversion and Misuse*.

JUNE 2022

THE SIPRI YEARBOOK AND WORLD NUCLEAR FORCES

The 53rd edition of the SIPRI Yearbook, the Institute's flagship publication, reveals a mixture of negative and more hopeful developments in 2021. Released in conjunction with new data on world nuclear forces, *SIPRI Yearbook 2022* highlights that despite a marginal decrease in the number of nuclear warheads in 2021, nuclear arsenals are expected to grow over the coming decade.

In addition to its detailed coverage of nuclear arms control and non-proliferation issues, the latest edition of the SIPRI Yearbook includes developments in conventional arms control in 2021; regional overviews of armed conflicts and conflict management; in-depth data and discussion on military expenditure, international arms transfers and arms production; and comprehensive coverage of efforts to counter chemical and biological security threats.



A visual representation of global nuclear weapon stockpiles in January 2022.

JULY 2022

OUTREACH

As SIPRI's research agenda is constantly evolving, it remains both timely and in high demand, informing policymakers, journalists, experts and the general public. Dissemination channels include an active media and communications programme, seminars and conferences, a monthly newsletter and a renowned publications programme. In 2022, SIPRI both engaged with online communities and resumed in-person activities. It also continued its film production, highlighting recent research and current events and offering the Institute's nuanced understanding to relevant and interested audiences.

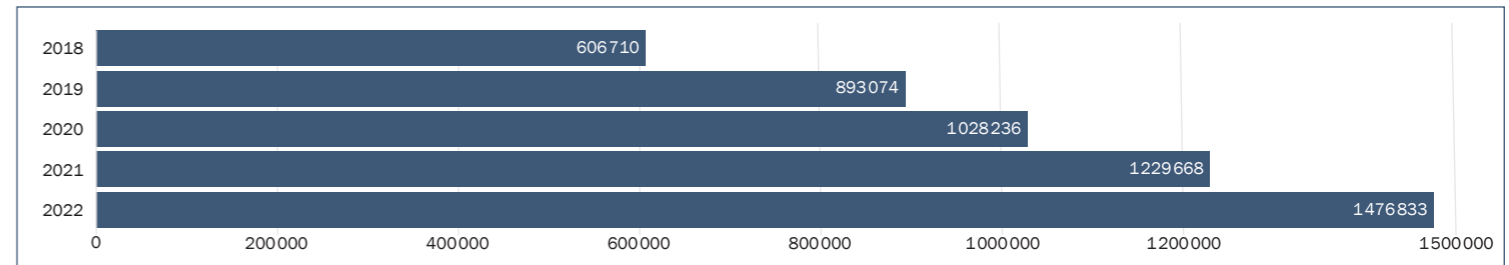
Global media organizations continue to show a keen interest in SIPRI's work. In 2022, SIPRI was mentioned in 59 900 articles and blogs from 140 countries—evidence of its international presence. The Institute's social media activity is a vital and engaging medium for communication with the public, and SIPRI now has more than 141 000 followers and friends. This is complemented by media appearances, where SIPRI researchers share and analyse findings in various outlets.



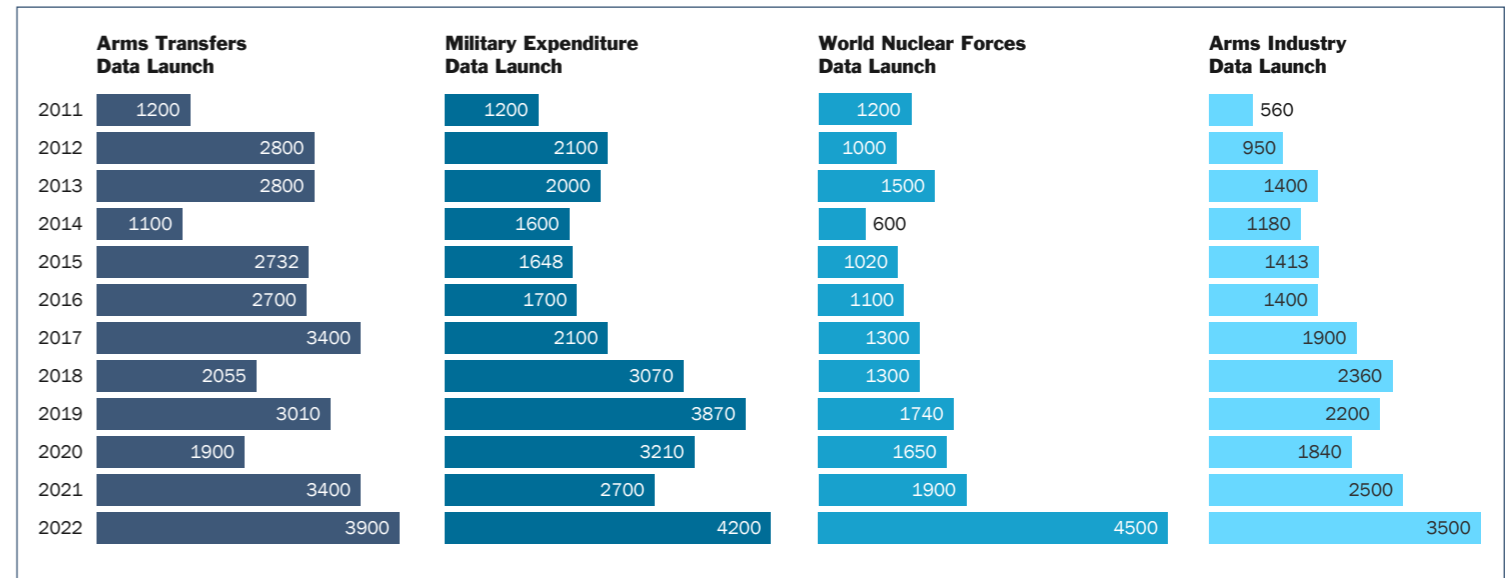
SIPRI's Communications Department increasingly uses online and digital platforms to communicate with its global audience.

SIPRI content can be accessed on several social media platforms:

- Facebook** @sipri.org
- LinkedIn** @SIPRI
- Twitter** @SIPRIorg
- YouTube** @SIPRIorg



Total number of active sessions on the SIPRI website, per year, 2018–22.



Media mentions of SIPRI data launches, 2011–22.



SIPRI releases an interview on climate and security with Espen Barth Eide, Norwegian Minister of Climate and the Environment, 31 August.



Giovanna Maletta, SIPRI Researcher, presents a SIPRI report on post-shipment on-site inspections at a side event at the eighth conference of states parties to the Arms Trade Treaty, 25 August.

8 AUGUST: SIPRI event

SIPRI, the Alva Myrdal Centre for Nuclear Disarmament at Uppsala University and the Swedish Government host a side event at the 10th NPT review conference in New York, entitled ‘Nuclear Disarmament at a Crossroads?’.

16 AUGUST: SIPRI event

SIPRI hosts a webinar entitled ‘The ‘NewSpace’ Industry: A Challenge for Missile Non-proliferation and Export Controls?’.

17 AUGUST: SIPRI publication

Dr Andrea Edoardo Varisco and Dr Mark Bromley release two reports on the role of post-shipment on-site inspections in helping to prevent the diversion and misuse of military materiel.

22–25 AUGUST: SIPRI news

SIPRI hosts several events at the eighth conference of states parties to the 2013 Arms Trade Treaty, held in Geneva.

28 AUGUST: SIPRI event

SIPRI, the Alva Myrdal Centre for Nuclear Disarmament at Uppsala University and the Odessa Center for Nonproliferation open their joint 2022 Summer School on Armament and Disarmament.

30 AUGUST: SIPRI commentary

Alexandra Marksteiner, Dr Nan Tian and Alexander Kaplan write the topical backgrounder ‘Improving transparency in military spending through disaggregated information’.

AUGUST 2022

TAKING DISARMAMENT FORWARD

The latest review cycle of the 1968 Nuclear Non-Proliferation Treaty (NPT), extended multiple times because of the Covid-19 pandemic, reached an unsatisfactory conclusion on 26 August. Despite last-minute negotiations and the willingness of other states parties to agree on a final outcome document, the Russian delegation blocked agreement. Given the state of global affairs, the failure of the 10th NPT review conference to find consensus did not come as a surprise. The challenges facing the NPT lie much deeper than the current tensions over Ukraine.

Through the work of its Weapons of Mass Destruction Programme, SIPRI continues to explore avenues within disarmament that could increase transparency and confidence, reduce risks and signal a return to a common path to a world free of nuclear weapons. While the prospects for nuclear arms control appear dim following Russia’s invasion of Ukraine, SIPRI continued its relevant activities and research in 2022, in an attempt to address the widening gap between nuclear disarmament and deterrence.



Left: SIPRI’s work in 2022 increasingly focused on the equitable, sustainable and peaceful uses of outer space. Top right: Nivedita Raju, SIPRI Researcher, moderates a panel of space, missile and export control experts during the webinar ‘The ‘NewSpace’ Industry: A Challenge for Missile Non-proliferation and Export Controls?’, 16 August. Bottom right: SIPRI, along with the Alva Myrdal Centre for Nuclear Disarmament at Uppsala University and the Swedish Government, hosts the side event ‘Nuclear Disarmament at a Crossroads?’ at the 10th NPT review conference in New York, 8 August.

SEPTEMBER 2022

IMPROVING THE PROSPECTS FOR PEACE

Monitoring, assessing or measuring an organization's contribution to improving the prospects for peace in fragile settings presents many challenges. Among them is the need for specific capacity to process and use collected data and evidence, and the challenge of access constraints in deep field locations and conflict-affected areas. SIPRI's knowledge partnership with the World Food Programme (WFP), established in 2018, aims to strengthen WFP's contribution to improving the prospects for peace in the countries where it works.

SIPRI is committed to expanding the knowledge base for measuring peace impact. It has published several papers with concrete recommendations and opportunities for how WFP's contribution to improving the prospects for peace could be improved, for example, in Nigeria and the Central American Dry Corridor. Another pillar of the SIPRI-WFP knowledge partnership is improving the evidence base for the relationship between food and security. In 2022, SIPRI produced a film and an interview series about the complexity of the food security crisis in South Sudan and the efforts needed to build stability and peace in a context of climate change impacts and intercommunal violence.



Upper left: Martha Engole, Head of Programme, World Food Programme South Sudan, interviewed as part of the SIPRI film series on food security in South Sudan, 13 September.

Right and lower left: Still images from the SIPRI film series 'Perceptions of Food Security and Peace in South Sudan', which features interviews with local people and humanitarian workers in South Sudan's Jonglei State, 13 September.

5 SEPTEMBER: SIPRI news

The Ukrainian translation of *SIPRI Yearbook 2021* becomes available.

6 SEPTEMBER: SIPRI commentary

Dr Wilfred Wan and Dr Tytti Erästö write the essay 'Looking beyond the NPT: Next steps in arms control and disarmament'.

7 SEPTEMBER: SIPRI publication

Dr Farah Hegazi and Katongo Seyuba publish the paper *The Social Side of Climate Change Adaptation: Reducing Conflict Risk*.

9 SEPTEMBER: SIPRI publications

Dr Caroline Delgado, Marie Riquier and Dr Kristina Tschunkert release a series of three reports investigating the World Food Programme's contributions to improving the prospects for peace in Nigeria.

13 SEPTEMBER: SIPRI film

SIPRI releases an interview series on perceptions of food security in South Sudan and efforts to improve the prospects for peace.

15 SEPTEMBER: SIPRI publications

Anniek Barnhoorn, Dr Simone Bunse, Karen Meijer, Dominik Rehbaum, Dr Elise Remling and Manon du Bus de Warnaffe release two reports on the European Union and member state responses to climate-related security risks.

19 SEPTEMBER: SIPRI commentary

Stefan Löfven writes the essay 'Towards a more secure future through effective multilateralism based on facts, science and knowledge'.

28–29 SEPTEMBER: SIPRI event

SIPRI hosts an online workshop on naval incident management.



Izumi Nakamitsu, UN Under-Secretary-General and High Representative for Disarmament Affairs, delivers welcoming remarks during the 2022 Armament and Disarmament Summer School, 28 August–2 September.



Participants of the 2022 Armament and Disarmament Summer School, 28 August–2 September.



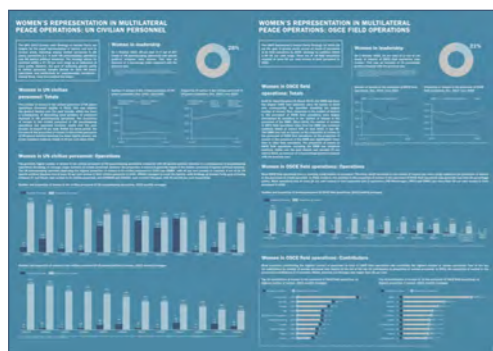
Discussion during an online expert workshop on 'Promoting a Free and Open Indo-Pacific: Naval Incident Management in Asia and Europe', 29 September.



Panel discussion at the event ‘Global Food Crisis: The Ripple Effects of the War in Ukraine on the Horn of Africa’, 12 October.



SIPRI co-hosts a side event at COP27's preparatory meeting in Kinshasa, Democratic Republic of the Congo, 5 October.



A visual representation of women in peace operations, 2022.

3 OCTOBER: SIPRI publication

Dr Lucie Béraud-Sudreau, Xiao Liang, Siemon T. Wezeman and Ming Sun publish the paper *Arms-production Capabilities in the Indo-Pacific Region: Measuring Self-reliance*.

6 OCTOBER: SIPRI publication

Kolja Brockmann and Nivedita Raju publish the paper *NewSpace and the Commercialization of the Space Industry: Challenges for the Missile Technology Control Regime*.

12 OCTOBER: SIPRI event

SIPRI, the Swedish Ministry for Foreign Affairs and the United Nations World Food Programme host an event entitled ‘Global Food Crisis: The Ripple Effects of the War in Ukraine on the Horn of Africa’.

13 OCTOBER: SIPRI publication

Dr Marta Bo, Laura Bruun and Dr Vincent Boulanin publish the paper *Retaining Human Responsibility in the Development and Use of Autonomous Weapon Systems: On Accountability for Violations of International Humanitarian Law Involving AWS*.

19 OCTOBER: SIPRI publication

Dr Mark Bromley, Lauriane Héau and Giovanna Maletta release the report *Post-shipment On-site Inspections: Multilateral Steps for Debating and Enabling Their Adoption and Use*.

20 OCTOBER: SIPRI publication

Dr Shourjya Deb and Dr Virginie Baudais publish a paper on *The Challenges of Data Collection in Conflict-affected Areas: A Case Study in the Liptako-Gourma Region*.

31 OCTOBER: SIPRI publication

Dr Claudia Pfeifer publishes the data-driven booklet *Women in Multilateral Peace Operations in 2022: What is the State of Play?*

OCTOBER 2022

POST-CONFLICT RECONSTRUCTION IN IRAQ

During its occupation of the Nineveh Plains between 2014 and 2017, the Islamic State particularly targeted ethnic and religious communities. Its aim was to erase all traces of diversity and the long-standing pluralism and coexistence in one of the most diverse regions of Iraq. Today, the region—known as ‘the breadbasket of Iraq’—is struggling to rebuild its infrastructure, homes and agriculture-based economy. Substantial reconstruction and reconciliation efforts are needed to address the social, cultural and economic impacts of the Islamic State occupation.

In partnership with Purdue University, the University of Notre Dame, Indiana University and the University of Duhok, SIPRI has been undertaking research since 2020 to better understand the needs of local communities in Nineveh in terms of reinstating cultural practices and to determine the impact of the Islamic State occupation on these practices. In 2022, SIPRI released a report about the need for a holistic approach to post-conflict reconstruction in the Nineveh Plains.



Upper left: A map representing Islamic State occupation in the Nineveh Governorate of Iraq.

Lower left: Shivan Fazil, SIPRI Researcher, is interviewed as part of the SIPRI film, ‘The Nineveh Plains of Iraq: How Culture is Helping to Restore Peace’, which weaves together footage from interviews with local people to tell the story from the perspective of minority groups living in the Nineveh Plains, 20 October.

Right: A UN Security Council meeting on the situation in Iraq.

NOVEMBER 2022

THE STOCKHOLM SECURITY CONFERENCE: TRENDS OF CONFLICT AND WARFARE IN THE 21ST CENTURY

Held on 8–14 November, the theme for the 2022 Stockholm Security Conference was ‘Trends of Conflict and Warfare in the 21st Century: Effects and Impact of the War in Ukraine’. The second in a series on the theme ‘Battlefields of the Future’, the conference engaged more than 1000 participants from around the world.

Through 15 thematic sessions, the Stockholm Security Conference explored the means and methods of warfare used in Ukraine and what implications they have for military spending, the development of new weapons and the role of information warfare. It also explored the effects of the war on the global multilateral system and regional dynamics, as well as on old and new nuclear risks. The concepts of the protection of civilians and urban warfare that were discussed during the 2021 conference have become even more relevant, so the 2022 conference explored the complexities surrounding the protection of civilians with a particular focus on gender and peacekeeping perspectives.



Right: The SIPRI Governing Board brings the 2022 Stockholm Security Conference to a close with a conversation about the daunting set of challenges facing the world today, 14 November.

Top left: Dr Patricia Lewis, Member of the SIPRI Governing Board (left), and Stefan Löfven, Chair of the SIPRI Governing Board (right).

Bottom left: Ambassador Chan Heng Chee, Member of the SIPRI Governing Board.

3 NOVEMBER: SIPRI commentary

Dr Farah Hegazi and Katongo Seyuba write the blog ‘Reducing climate-related security risks and building peace through adaptation’.

3 NOVEMBER: SIPRI event

SIPRI and the Observer Research Foundation (ORF) America host an expert workshop on ‘Cyber Postures and Dynamics: China, Russia, United States and Europe’ in Washington, DC.

4 NOVEMBER: SIPRI news

SIPRI and Point Sud release a comic book on security, governance and development in central Mali.

9 NOVEMBER: SIPRI publication

Emery Brusset, Dr Gary Milante, Marie Riquier and Dr Caroline Delgado publish a paper on *Measuring Peace Impact: Challenges and Solutions*.

11–16 NOVEMBER: SIPRI news

SIPRI hosts and actively engages in several events at the 2022 United Nations Climate Change Conference (COP27) held in Sharm el-Sheikh, Egypt.

15 NOVEMBER: SIPRI publication

Timo Smit publishes the paper *Delivering the Compact: Towards a More Capable and Gender-balanced EU Civilian CSDP*.

18 NOVEMBER: SIPRI publication

Dr Jingdong Yuan, Dr Jiayi Zhou and Fei Su publish the report *Treading Lightly: China’s Footprint in a Taliban-led Afghanistan*.

23 NOVEMBER: SIPRI publication

Amal Bourhrous, Shivan Fazil and Dr Dylan O’Driscoll publish the paper *Post-conflict Reconstruction in the Nineveh Plains of Iraq: Agriculture, Cultural Practices and Social Cohesion*.



Timo Smit, SIPRI Senior Researcher, launches the report *Delivering the Compact: Towards a More Capable and Gender-balanced EU Civilian CSDP* in Brussels, 15 November.



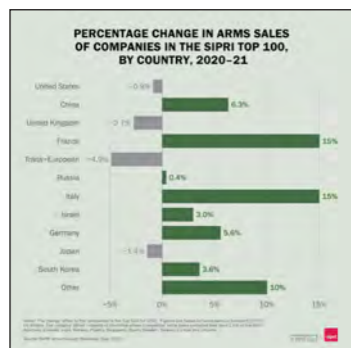
Giovanna Maletta, SIPRI Senior Researcher, briefs the European Parliament’s Subcommittee on Security and Defence, 29 November.



Dr Lucie Béraud-Sudreau, Director of the SIPRI Military Expenditure and Arms Production Programme, is interviewed in a SIPRI film, 25 November.



Dr Wilfred Wan, SIPRI Programme Director, speaks at a side event at the ninth review conference of the Biological Weapons Convention, 2 December.



A visual representation of the percentage change in arms sales of companies in the SIPRI Top 100, 2020–21.



SIPRI, on behalf of the EU Non-Proliferation and Disarmament Consortium, hosts an awareness-raising course on WMD proliferation for natural science students, 6–8 December.

2 DECEMBER: SIPRI publication

Kolja Brockmann, Dr Mark Bromley and Lauriane Héau publish the paper *The Missile Technology Control Regime at a Crossroads: Adapting the Regime for Current and Future Challenges*.

13 DECEMBER: SIPRI publication

Gretchen Baldwin publishes a report on *Considering the Future of Gender and Peace Operations: Strategic Debates and Operational Challenges*.

14 DECEMBER: SIPRI publication

Dr Andrea Edoardo Varisco, Pieter D. Wezeman and Alexandra Kuimova write a paper on *Illicit Small Arms and Light Weapons in Sub-Saharan Africa: Using UN Reports on Arms Embargoes to Identify Sources, Challenges and Policy Measures*.

14 December: SIPRI event

SIPRI hosts the webinar 'Beyond War Ecologies: Green Ways Forward for Ukraine'.

15 DECEMBER: SIPRI publication

Dr Lora Saalman, Fei Su and Larisa Saveleva Dovgal publish the report *Cyber Posture Trends in China, Russia, the United States and the European Union*.

15 DECEMBER: SIPRI commentary

Dr Jiayi Zhou writes the topical background 'Afghanistan and its neighbourhood: A stocktaking of regional cooperation since the Taliban takeover'.

19 DECEMBER: SIPRI publication

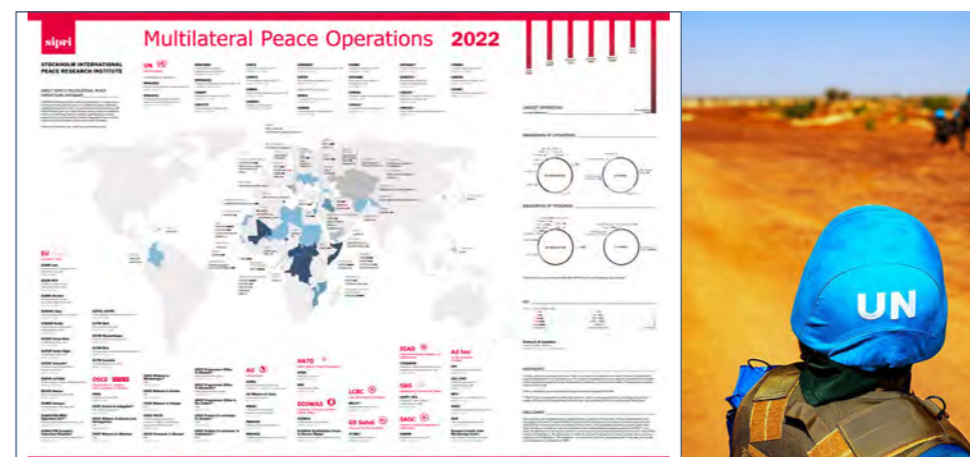
Dr Ahmed Morsy publishes the paper *Towards a Renewed Local Social and Political Covenant in Libya, Syria and Yemen*.

DECEMBER 2022

ENHANCING WOMEN'S REPRESENTATION IN MULTILATERAL PEACE OPERATIONS

The women and peace and security (WPS) agenda in peace operations has had a myriad of successes and setbacks in implementation. SIPRI's research on women's participation and gender perspectives in peace processes continues to evolve and adapt. This body of work is a means of strengthening the commitments on national contributions and women's representation in the new Civilian Common Security and Defence Policy (CSDP) Compact. In 2022, SIPRI produced a film series highlighting the challenges affecting civilian crisis management today and the efforts to strengthen civilian CSDP beyond 2023.

The long-standing SIPRI Multilateral Peace Operations Database and the related Multilateral Peace Operations Map present annual snapshots of multilateral peace operation deployments. In November, SIPRI launched a data visualization booklet on women in multilateral peace operations, which provides data on aggregate personnel trends, annual snapshots of data on women's representation in leadership, and annual averages of women personnel in peace operations and in member state contributions.



Left: A visual representation of multilateral peace operations, May.

Right: Peacekeepers in the UN Multidimensional Integrated Stabilization Mission in Mali.

FACTS AND FIGURES

- At the end of 2022, the number of employees at SIPRI was 83, of which 31 were men and 52 were women.
- SIPRI had 54 full-time research staff on average during 2022, with 26 different nationalities.
- SIPRI published 62 titles and over 30 online commentaries in various formats.
- Full translations of *SIPRI Yearbook 2022* into Arabic, Chinese, Russian and Ukrainian are underway and will become available in 2023.
- Summaries of *SIPRI Yearbook 2022* were issued in Catalan, Dutch, English, French, Italian, Japanese, Spanish and Swedish.
- At the end of 2022, SIPRI had over 84 800 followers on Twitter, more than 27 800 followers on Facebook and over 21 3800 followers on LinkedIn.
- In 2022 SIPRI was featured in over 59 900 global media outlet stories and an additional 5 700 blogs across 140 countries.
- SIPRI issued 96 targeted mailings and newsletters, as well as over 67 news items and press releases.
- SIPRI's YouTube channel generated over 187 days of total watch time and holds a viewership of over 60 200.



Behind the scenes of the Stockholm Forum and the Stockholm Security Conference.

FINANCES

SIPRI's annual accounts are prepared in accordance with the Annual Accounts Act. All figures are in SEK.

FINANCES	2022	2021
Income		
Parliamentary core grant	28 402 000	28 402 000
Funding from external projects	83 004 236	73 407 534
Royalties	323 255	176 133
Other	52 599	1 434
Total	111 782 090	101 987 101
Expenditure		
Project expenditure from grants	-34 503 699	-30 760 626
Administrative expenditure	-9 612 750	-8 067 462
Staff costs	-68 323 518	-62 406 572
Depreciation	-107 455	-153 439
	-112 547 422	-101 388 099
Operating profit	-765 332	599 002
Financial income		
Financial net amount	2 384 808	810 500
Change in capital this year	1 619 476	1 409 502



SIPRI's annual staff photo taken on the occasion of the meeting of the Governing Board, 18 November.

PHOTO CREDITS

Kharkiv after Russian rocket strikes on the city, photo by Kharkiv Regional State Administration/Wikimedia, p. 5.

Light weapons destroyed at ceremony in Abidjan, Côte d'Ivoire, photo by UN Photo/Basile Zoma, p. 6.

Gamal Abdel Nasser Mosque, Tripoli, photo by Ziad Fhema/Flickr, p. 8.

SpaceX Falcon 9 launch, photo by Unsplash/SpaceX, p. 17.

A view of UN peacekeepers in Mali, photo by UN Photo/Harandane Dicko, p. 25.

