



# Annual Report 2021

# Foreword



“Our mark of distinction:  
Linking academia and  
political consultancy.”

**Prof. Dr. Andreas Wenger,**  
Director, Center for Security Studies (CSS)

As in the previous year, the Corona pandemic was the focus of international public interest in 2021. Authoritarian states used the pandemic to further narrow the scope for opposition groups and minorities. But democratic societies also struggled to walk the tightrope between enforcing effective measures and respecting personal freedoms.

At the same time, the struggle of the great powers for regional spheres of interest and global influence intensified in international politics. To counter China's growing military influence in the region, Australia, the United Kingdom, and the United States entered into a trilateral security pact (AUKUS). Russia, in turn, massed well over 100,000 troops on its border with Ukraine. Shortly before the end of the year, Moscow published draft contracts for future agreements on so-called security guarantees with the United States and NATO. It became apparent to all that Russian and Western ideas about the future of the European security order were incompatible. In this respect, the crisis-like escalation of mutual relations could surprise no one.

An important focus of our work last year was on the security policy implications of the Corona crisis. On the one hand, the focus was on the international crisis management of the World Health Organization and the European Union as the two most important cooperation mechanisms with which Switzerland works in the fight against epidemics. On the other hand, we continued to deal with the reappraisal of national crisis management at the federal level and prepared a report evaluating the processes of cantonal crisis management in Graubünden.

The accelerating competition among major powers in the context of the coronavirus pandemic was the focus of the authors of the publication series Strategic Trends 2021. The five articles in the volume analyzed the changes in international security orders in the Euro-Atlantic region, the Middle East, and the Asia-Pacific region. The intensifying competition among the great powers provoked dangerous crises that threatened to escalate in all regions of the world. This was the troubling bottom line on the state of world politics.

In contrast, the Bulletin 2021 on Swiss Security Policy focused on the consequences of multilateralism in transition for Switzerland's commitment within the OSCE and Switzerland's candidacy for a seat as a non-permanent member of the UN Security Council. Other chapters dealt with the current debate on the introduction of a general service obligation and discussed the challenges of Switzerland's commitment to an open and rules-based digital space.

This annual report provides an overview of our activities and is intended to encourage reading of our publications. Our publications are available online on our website [www.css.ethz.ch](http://www.css.ethz.ch). If you would like to receive regular updates on CSS publications, you can sign up for our monthly newsletter here, [www.css.ethz.ch/en/center/css-newsletter.html](http://www.css.ethz.ch/en/center/css-newsletter.html), or follow us on Twitter (@CSS\_Zurich), Facebook (@css.zurich) or LinkedIn.

I wish you a stimulating read.

**Prof. Dr. Andreas Wenger**  
Director, Center for Security Studies (CSS)



## Table of Contents

3	<b>Foreword</b>
7	<b>Highlights 2021</b> Contributions to the Further Development of Swiss Security Policy Special Topic: The Security Implications of the Corona Crisis Various Highlights
10	<b>CSS Core Themes</b> Artificial Intelligence and Security Politics “Belt and Road Initiative”: Trade and Security in Eurasia Perspectives on Euro-Atlantic Security Mediation and Peace Promotion Military Doctrine and Arms Procurement Cyber Security Politics Socio-technical Resilience and Disaster Preparedness
17	<b>The CSS in Figures</b>
19	<b>CSS Research</b> Selected Books Selected Journal Articles Research Projects
25	<b>CSS Think Tank</b> Publications Dialogue Platforms Policy Consultancy
35	<b>CSS Education</b> Education Programs Continuing Education
40	<b>About the CSS</b>

# Contributions to the Further Development of Swiss Security Policy

With a series of publications and various activities in the field of policy advice, the CSS made significant contributions and valuable inputs to the further development of security policy in Switzerland in 2021.

## Editorial Committee – Arms Control and Disarmament Strategy 2022–2025

CSS Director Andreas Wenger attended meetings of the committee in 2021 and participated in the drafting of the strategy paper on disarmament and arms control recently adopted by the Federal Council.

### Book chapter by Prof. Andreas Wenger

*Sicherheitspolitik / Security Policy*  
In: Handbook of Swiss Politics 6, NZZ Libro

*Upgrading and differentiating the contributions of foreign policy to peace and security in the world*  
In: Swiss Foreign Policy, NZZ Libro

## Strategy workshop FOCP: Strategic further development of the Federal Office for Civil Protection

On May 12, 2021, CSS Director Andreas Wenger and CSS Researcher Benjamin Scharte participated in this workshop with the management of the FOCP and contributed their expertise. In a debriefing on June 1, important results were recorded.

## General Service Obligation: Basis for a Debate

In this article in the Bulletin 2021 on Swiss Security Policy, Boas Lieberherr and Benno Zogg deal with the current debate on the introduction of a general duty for both genders in Switzerland. This idea is again increasingly discussed in Switzerland and is widely met with sympathy – however, the debate is still young and accordingly undifferentiated.

## A non-permanent seat on the UN Security Council: The Role of Defense Ministries and Army Headquarters in a Country-Specific Comparison

Switzerland, a full UN member since 2002, is currently running for a seat as a non-permanent member of the UN Security Council (UNSC) for the first time. Its prospects of being elected to the SC for the period 2023 to 2024 at the UN General Assembly in summer 2022 are very good. This CSS study by Fabien Merz aims to shed light on experiences and best practices in other countries regarding the role and tasks of Ministries of Defense and Army Headquarters in the context of SR membership.



## CSS Brown Bag Webinar SIPOL B 2021

On June 7, 2021, Ambassador Pálvi Pulli, Head of Security Policy in the General Secretariat of the DDPS, Georg Häsler, editor at the Neue Zürcher Zeitung, and Prof. Dr. Andreas Wenger, Director of the CSS, discussed the new Security Policy Report in a brown bag webinar. The focus was on assessments of the threat situation, with particular emphasis on hybrid elements, and the resulting possible consequences for the armed forces and their ability to meet these challenges as effectively as possible.

# Special Topic: The Security Implications of the Corona Crisis

The CSS has studied the medium- and long-term consequences of the Corona pandemic. The focus is on national and international crisis management and the impact of the crisis on international relations and national and international security policy.

## Covid-19 and WHO Crisis Management

The accusation of a supposed China-listening attitude fails to recognize the dilemma of the World Health Organization (WHO) in the fight against infectious diseases. Despite limited options for action, the COVID-19 pandemic has highlighted the essential role of the UN agency as a control center in international disease control, argues Jan Thiel in this article for the German Review on the United Nations.

[Onlineversion](#) ■



From the photo series "ETH Zurich in emergency operation (COVID-19)".

## Meeting of the Kerngruppe Sicherheit (KGSi)

On June 4, 2021, CSS Director Andreas Wenger gave a presentation to KGSi on "The Security Implications of the Pandemic."

## COVAX Needs a Political Future

Financially strengthening and institutionally advancing the new multilateral vaccine platform COVAX is in the health, economic, and security interests of Western states, argue Michèle Gemünden and Jan Thiel in this CSS Policy Perspective.

[Onlineversion](#) ■

## An Evaluation of Switzerland becoming a Participating State of the European Union Civil Protection Mechanism

This report provides an independent evaluation of the benefits, costs, opportunities, and risks for Switzerland should it decide to become a participating state of the UCPM. [Onlineversion](#) ■

## Online seminar with the Federal Chancellery, Strategic Leadership Support Section

CSS Director Andreas Wenger was able to contribute his expertise to this seminar on March 9, 2021, on the topic "Recommendations of the CSS: Analysis of Swiss Crisis Management in the First Phase of the Pandemic". ■

## Workshop of the Swiss Science Council SSC

On August 11, 2021, CSS Director Andreas Wenger gave a presentation on the topic of "Acceptance of crisis management measures: A discussion about science, politics and science policy" and participated in the subsequent expert discussion. ■

## Kick-off of the Project for the Evaluation of the Cantonal Crisis Management in Graubünden

On behalf of the Office of Military Affairs and Civil Defense, the CSS is preparing a report evaluating the processes of cantonal crisis management and is drafting specific recommendations for action.

## Visit and presentation by Federal Councillor Viola Amherd: "A secure Switzerland – what we want and need to do for it".

At the invitation of the Center for Security Studies (CSS) at ETH Zurich and the Europa Institute at the University of Zurich, Federal Councillor Viola Amherd gave a public lecture on November 8, 2021 on the topic "A secure Switzerland – what we want and need to do for it".



Switzerland's security policy must adapt to a nastier environment, says Federal Councillor Viola Amherd. (© Alessandro Della Bella / ETH Zurich)

ETH President Joel Mesot welcomed the magistrate to the packed Audimax and referred to ETH's close and multifaceted partnership with the federal defense sector. Security, said the ETH President, is by no means a given and also requires the contribution of science. In the subsequent Q&A session, Federal Councillor Amherd answered numerous questions from the audience.

## "We need pandemic response and air defense" Interview with Federal Councillor Viola Amherd

In the interview for Bulletin 2021 Federal Councillor Viola Amherd talks about the attractiveness of the Swiss Armed Forces, the fight against the COVID-19 pandemic and the latest security policy report. She assesses the opportunities and challenges of including women in tomorrow's armed forces as well as the debate on introducing compulsory service for both genders. In the context of the COVID-19 pandemic, Amherd also reflects on the potential

for improvement in Swiss crisis management and the targeted deployment of military units. Finally, she highlights the current security challenges for Switzerland in the context of intensifying great power competition, hybrid warfare and climate change, and explains what this means for the Swiss Armed Forces' engagement at home and abroad. [Onlineversion](#)

Journal article:

## Data Matters: The Politics and Practices of Digital Border and Migration Management

Data is more important than ever in regulating borders and migration. This Geopolitics article by CSS Researcher Matthias Leese, Simon Noori, and Stephan Scheel contributes innovative conceptual work and new empirical findings to current debates in border and migration research.

It examines how to deal with the dissemination of data for border and migration management purposes in conceptual and theoretical terms.



Leese, Matthias; Noori, Simon; Scheel, Stephan: **Data Matters: The Politics and Practices of Digital Border and Migration Management**. In: Geopolitics, Volume 27, Issue 1, 5–25, July 2021

## CSS Core Theme

# Artificial Intelligence and Security Politics

Artificial intelligence (AI) is a key driver of changes in the economy, society, and the state. The work of the CSS focuses on the impact of AI on defense and foreign policy, as well as on internal security and democracy. In particular, we look at the anticipated changes in war and conflict caused by AI-based applications, the competition over AI-technology and resulting shifts in power, the regulation and governance of AI, and changes in the activities of intelligence services.



> [www.css.ethz.ch/Themes/AI.html](http://www.css.ethz.ch/Themes/AI.html)

## News

## Artificial Intelligence, Forward-Looking Governance and the Future of Security

*Swiss Political Science Review 2021*

In this article, Andreas Wenger and Sophie-Charlotte Fischer demonstrate that scholars who want to study AI's link to power and security should broaden their perspective to include conceptual approaches from science and technology studies (STS). In addition, the authors introduce two STS-inspired concepts and show how AI and security research can benefit from them.

## New Publications

Dominika Kunertova, **From Robots to Warbots: Reality Meets Science Fiction**, *CSS Analyses in Security Policy*, No. 292.

Julian Kamasa, **Microchips: Small and Demanded**, *CSS Analyses in Security Policy*, No. 295.

Mareile Kaufmann, Matthias Leese, **Information In-Formation: Algorithmic Policing and the Life of Data**, in: *Automating Crime Prevention, Surveillance, and Military Operations*, 2021.

Andrea Gilli, Mauro Gilli, **Rethinking the Impact of Emerging Technologies on Strategic Stability**, in: *Europe's Evolving Deterrence Discourse*, Center for Global Security Research Lawrence Livermore National Laboratory, 2021.

Sophie-Charlotte Fischer, Andrea Gilli, Mauro Gilli, **Technological Change and Grand Strategy**, in: *The Oxford Handbook of Grand Strategy*, 2021.

## Other Activities

Blog: **Bevölkerungsschutz 2030: Chancen und Risiken der Künstlichen Intelligenz**

In this Alertswiss blog post from the Swiss Federal Office for Civil Protection (FOCP), Kevin Kohler looks at the opportunities and risks of using artificial intelligence in the civil protection of the future.

Online article: **Tecnologia e nuovi conflitti globali**

Technological advances in processors, Big Data and machine learning have led to a dramatic acceleration in the broader field of artificial intelligence over the past two decades. But this is just the beginning, argue Andrea Gilli and CSS Researcher Mauro Gilli on Aspenia Online.

Guest lecture: **DiploFoundation**

In April 2021, Sophie-Charlotte Fischer spoke on AI and international security at the DiploFoundation as part of her course "Artificial Intelligence: Technology, Governance, and Policy Frameworks." Her talk focused specifically on the growing interest of militaries around the world in developing AI capabilities and the current state of military AI programs in the U.S., China, France, and Israel.

## CSS Core Theme

# "Belt and Road Initiative": Trade and Security in Eurasia

The geostrategic importance of Eurasia is growing rapidly as a consequence of the ongoing global power shifts. In this core theme, we examine how a rising China is expanding its economic and political influence through projects such as the "Belt and Road Initiative" and what impact this has on Europe. We also analyze the increasingly cooling relations among China, Russia and the USA in the context of Eurasian development.



## News

## Eurasia in Transition: Geopolitics, Connections and Challenges

*International conference, November 10–12, 2021*

Organized in cooperation with the Center for Eastern European Studies (CEES) at the University of Zurich, this conference aimed to analyze the major political and socio-economic changes in the newly independent fifteen states on the territory of the former Soviet Union. In a total of eight panels, geographically given spatial factors, infrastructural networks as well as central challenges for international dynamics due to political and social transformations were addressed.

> [www.css.ethz.ch/Themes/BRI-China.html](http://www.css.ethz.ch/Themes/BRI-China.html)

## Other Activities

Media article: **Les relations sino-russes remettent en question la sécurité transatlantique**

The US should maintain its commitment to NATO, but European countries could make a vital contribution to the transatlantic partnership by increasing their defense budgets, argues Brian G. Carlson in this article for LeTemps.

Interview: **Baut Indien eine Militärbasis im indischen Ozean?**

According to research by Al-Jazeera, India is to build a military base on a remote island in the Indian Ocean. Boas Lieberherr discusses in SRF Echo der Zeit what is known about it and why it would be strategically important for India to be able to have aircraft take off and land there.

Interview: **Es ist gut möglich, dass Taiwan in den nächsten sechs Jahren angegriffen wird**

More than 150 Chinese military aircraft have entered Taiwan's Air Defense Identification Zone (ADIZ) in recent days. Brian G. Carlson, in an interview with Watson, explains that he sees this as a warning signal to the West.

Media Article: **The Belt and Road and the Pandemic: China in Eurasia**

Benno Zogg discusses in this International Policy Digest article how the coronavirus pandemic could change China's Belt and Road Initiative (BRI) and how states in the broader Eurasian region are dealing with it.

## New Publications

Boas Lieberherr, **Geostrategic Storm in the Indian Ocean**, *CSS Analyses in Security Policy*, No. 284.

Linda Maduz, Simon Stocker, **South-East Asia: A Hotspot in Great Power Rivalry**, *CSS Analyses in Security Policy*, No. 277.

Brian G. Carlson, **Europa, das transatlantische Verhältnis und China**, in: *SIRIUS – Journal of Strategic Analysis*, 2021.

## CSS Core Theme

# Perspectives on Euro-Atlantic Security

In this core theme, the spotlight is on developments in the Euro-Atlantic security structures, which are relevant for Swiss foreign, security and defense policy. The focus is on security organizations such as NATO and OSCE, military cooperation within the EU and arms control. Also covered are relations between Russia and Europe and challenges facing Europe with regard to North Africa and the Middle East.

## News

## Adapting arms control to the new realities

*SIRIUS – Journal of Strategic Analysis*

Challenges related to geopolitical upheaval, multipolarity, and technological developments strongly affect the chances of success of negotiations on new arms control agreements. These challenges prompt a review of the concept of arms control, argues Névine Schepers in this brief analysis.

> [www.css.ethz.ch/Themes/European-Security.html](http://www.css.ethz.ch/Themes/European-Security.html)

## New publications

Benno Zogg, **Belarus in Upheaval: Three Scenarios**, *CSS Policy Perspectives*, 9/2.

Dominika Kunertova, **Europe: Greater Autonomy, Better Allies**, *CSS Policy Perspectives*, 9/10.

Michiel Foulon, Jack Thompson, **The Future of European Strategy in a Changing Geopolitical Environment: Challenges and Prospects**, *The Hague Centre for Strategic Studies* 2021.

Henrik Larsen, **NATO's Strategic Concept: Three Do's and Don'ts**, *CSS Policy Perspectives*, 9/7.



## Other activities

Webinar: **Redesigning Nuclear Arms Control for New Realities**  
In the report, the authors outline building blocks and guidelines for a transatlantic political strategy on nuclear arms control adapted to today's security and geopolitical environment. Links to the webinar and report can be found [online](#).

Fireside Talks: **Zukunft der Rüstungskontrolle, EDA, Februar 2021**  
In a series of short presentations, CSS researchers presented for DFA on "New Technologies and Modern Arms Control," "Trends/Developments in Life Sciences and Implications for Arms Control," and "Missiles and Space."

Media Article: **Der Brexit und die Implikationen für die innere Sicherheit in Europa**  
What consequences will the UK's exit from the EU have for the internal security of European countries, including Switzerland? Julian Kamasa provides an assessment in this NZZ guest commentary.

Blog: **Why NATO Should Not Offer Ukraine and Georgia Membership Action Plans**  
Preventing Ukraine and Georgia from joining NATO is one of Russia's key geopolitical goals, which it is willing to use military force to achieve. In this commentary for War on the Rocks, Henrik Larsen explains geopolitical and domestic reasons why NATO should not draw Ukraine and Georgia closer to it.

## CSS Core Theme

# Mediation and Peace Promotion

The CSS aims to study, develop and promote effective forms of mediation in armed conflicts. The focus is on mediation support in peace processes, mediation in conflicts with a religious nature, and ceasefires in peace processes. Further, the role of local mediators, gender perspectives, the issue of environment and peace, and peacebuilding in fragile contexts will be explored.



> [www.css.ethz.ch/Themes/Mediation.html](http://www.css.ethz.ch/Themes/Mediation.html)

## News

## Redefining Peace Leadership: Insights from Track One Women Negotiators and Mediators

*CSS Mediation Resources*

This publication by Anna Hess Sargsyan and Anna Möller-Loswick compares the insights of negotiators and mediators from three workshops on Track One peace processes. The publication was presented by CSS in a webinar as part of the Mediation Support Project (CSS and swisspeace, supported by the DFA) with the European Institute of Peace (EIP), the University of San Diego, and the Folke Bernadotte Academy.

## Other Activities

Interview: **Kämpfen für den Glauben: Christliche Nationalisten in den USA**  
Many people in the US feel a need to defend their country's Christian heritage, with violence if necessary, as was demonstrated by some during the riot of January 6. What is Christian Nationalism, what is its background and goal, how is it connected to President Trump and how is the US dealing with it? Answers in this SRF Echo der Zeit with Cora Alder.

Media article: **Lateinamerikas tiefer Graben zwischen Staat und Gesellschaft**  
People in Latin America love their respective countries, but are dissatisfied with the state. This discontent is noticeably on the rise. Thus, major social unrest could begin as the pandemic fades, argues Enzo Nussio in this article for the NZZ.

Practice-Based Study: **Cyber Ceasefires: Incorporating Restraints on Offensive Cyber Operations in Agreements to Stop Armed Conflict**  
Despite the increased use of offensive cyber capabilities in armed conflict, there is still no guidance for peace practitioners on whether and how peace processes need to evolve with this trend. This study by Sean Kane and Govinda Clayton seeks to fill this gap, specifically analyzing how developments in offensive cyber capabilities might affect ceasefire negotiation and implementation efforts.

## New Publications

Abbas Aroua, Jean-Nicolas Bitter, Simon Mason, **The Role of Value Systems in Conflict Resolution**, *CSS Policy Perspectives*, 9/9.

Mae Chokr, **The Persisting Past of Iraq**, *CSS Analyses in Security Policy*, No.289.

Emanuel Schäublin, **Counting Good and Bad Deeds under Military Rule: Islam and Divine Bookkeeping in Nablus (Palestine)**, in: *Rules and ethics. Perspectives from anthropology and history*, 2021.

Valerie Sticher, **Healing Stalemates: The Role of Ceasefires in Ripening Conflict**, in: *Ethnopolitics*, 2021.

Claudia Wiehler, **Deciding on the Tit for the Tat: Decision-Making in the Wake of Ceasefire Violations**, in: *International Peacekeeping*, 2021.

## CSS Core Theme

# Military Doctrine and Arms Procurement

Issues of military security and defense are increasingly gaining political relevance as great power rivalries continue to intensify. We identify trends in military doctrine, force structures and arms policy. We monitor ongoing conflicts and their impact on defense debates at home and abroad. Furthermore, we study the influence of new technologies and analyze the defense and deterrence strategies of small states.



## News

**Rüstungspolitik in kleinen und mittleren Industriestaaten: Rahmenbedingungen, strategische Zugänge, Optionenraum**  
In: *stratos* 21/2

In this article for *stratos*, Amos Dossi analyzes the problem and the theoretical possibilities for Switzerland to maintain its ability to act in the arms industry against the background of long-term developments.

> [www.css.ethz.ch/Themes/Armament-Policy.html](http://www.css.ethz.ch/Themes/Armament-Policy.html)

## New publications

Amos Dossi, Niklas Masuhr, **European Fighter Programs: A Preliminary Assessment**, *CSS Analyses in Security Policy*, No. 291.

Dominika Kunertova, **Weaponized and Overhyped: Hypersonic Technology**, *CSS Analyses in Security Policy*, No. 285.

Dominika Kunertova, **European Drone Clubs Stall Strategic Autonomy**, *CSS Policy Perspectives*, 9/5.

Andrea Gilli, Mauro Gilli, **Lo Stretto di Taiwan: alcuni scenari di conflitto armato**, *Aspenia Online*, 2021.

## Other activities

Media Article: **China soll eine atomare Hyperschallwaffe entwickelt haben: Was ändert das am globalen Machtgefüge?**

According to the US military, China tested a hypersonic weapon this summer, which can be equipped with a nuclear warhead. Dominika Kunertova explains to NZZ that this was a surprise for the US, despite being part of the reason for the arms race.

Media Article: **How Drones Have Added a New Dynamic to Conflicts**

In this Aljazeera article, Mauro Gilli talks about the opportunities and dangers of drone warfare in contemporary armed conflicts.

Interview: **Should There Be a Form of Universal Civilian Service?**

In an interview at *Monocle Daily*, Benno Zogg discusses his and Boas Lieberherr's book chapter in the CSS's latest Bulletin on Swiss Security Policy on the idea of universal compulsory service for Switzerland.

Television appearance: **Strahlende Zukunft? Über Atomwaffen und Kernkraft**

Despite the potential danger, nuclear fission is currently experiencing an upswing. What are the opportunities and risks? Will it bring us climate-neutral electricity and security through deterrence? Or is it the end of humanity? Answers can be found in this SRF Kultur Sternstunde Philosophie with Oliver Thränert and Anna Deplazes.

## CSS Core Theme

# Cyber Security Politics

Over the last decade, cyber incidents have become more costly, more damaging, and also more political. We focus on two interlinked problems: first, the use and misuse of digital technologies in politics, society, and business; and second, the ongoing negotiation processes among the state, society, and the private sector regarding the definition of roles, tasks, and rules of conduct in cyberspace.

## Other Activities

Blog: **There is no Cyber "Shock and Awe": Plausible Threats in the Ukrainian Conflict**

The situation in Ukraine is precarious. In addition to Russia's massive military buildup along Ukraine's borders, which poses a growing risk of a large-scale military confrontation, many analysts also emphasize the potential for devastating cyberattacks. In contrast, Lennart Maschmeyer and Nadiya Kostyuk explain in *War on the Rocks* that cyber operations remain of secondary importance and will provide Russia with marginal benefits at best.

Media article: **Der Teufel steckt in der Anwendung**

In this article for *Schweizer Monat*, Myriam Dunn Cavetty talks about the early days of the Internet, why data was transmitted unencrypted back then, and why encryption and decryption present us with a problem today as a society that cannot be solved with technology alone.

Policy-Report: **Governance Approaches to the Security of Digital Products – A Comparative Analysis**

In this report for the Geneva Dialogue of Responsible Behavior in Cyberspace, Nele Achten provides an overview of public policy on digital product security. She explains how the relatively new policy field of digital product security can be distinguished from cybersecurity regulations around critical infrastructure protection and data security.

Media Article: **U.N. Members Seek New Cyber Discussions Amid Rising Ransomware Attacks**

The future of the UN-led effort to create rules governing states' behavior in cyberspace is unclear, even as countries respond to a growing number of ransomware attacks. Stefan Soesanto explains in the *Wall Street Journal* that there is complete confusion about what the next step is and where this process will lead.

Media Article: **With Russian Hackers in Mind, NATO Takes Hard Look at Cyber Strategy**

In this article by the *Christian Science Monitor*, Stefan Soesanto and Max Smeets comment on article five of the NATO Pact. With modern warfare expanding to virtual battlefields, NATO strategists are overhauling their cyber tactics. That means rethinking the concept of deterrence, as well as what constitutes a cyberattack that triggers Article five: a crucial issue amid tensions between Russia and NATO-supported (though nonmember) Ukraine.



## News

**The Law of Neutrality in Cyberspace**  
*CSS Cyberdefense Reports*

The current security environment is characterized by increasing tensions and geopolitical competition. This report provides a historical and technological background on neutrality and a breakdown of the legal debates over the application of neutrality law in cyberspace.

> [www.css.ethz.ch/Themes/Cybersecurity.html](http://www.css.ethz.ch/Themes/Cybersecurity.html)

## New Publications

Nele Achten, **Regulating Cybersecurity in the Health Care Sector**, *CSS Analyses in Security Policy*, No. 296.

Nele Achten, **National Approaches to Ransomware Protection**, *CSS Analyses in Security Policy*, No. 297.

Max Smeets, **Cyber Arms Transfer: Meaning, Limits and Implications**, in: *Security Studies*, 2021.

Lennart Maschmeyer, **Digital Disinformation: Evidence from Ukraine**, *CSS Analyses in Security Policy*, No. 278.



## CSS Core Theme

# Socio-technical Resilience and Disaster Preparedness

This core theme deals with the security of societies and their critical infrastructures under consideration of natural, social and technical risk factors. Resilience is studied as a system-specific phenomenon in order to understand the dynamic and contextual characteristics of complex socio-technical systems and thus contribute to the further development of future civil protection.



## News

## Wildfires in the Atomic Age: Mitigating the Risk of Radioactive Smoke

Journal article, Fire

Christine Eriksen examines the risks posed by forest fires that re-release radioactive fallout originally released into the environment by nuclear power plant accidents or nuclear weapons testing. Her article highlights the continuing consequences of nuclear disasters, outlines future research directions, suggests possible solutions, and emphasizes the benefits of risk mitigation.

› [www.css.ethz.ch/Themes/Disaster-Management.html](http://www.css.ethz.ch/Themes/Disaster-Management.html)

## New publications

Christine Eriksen, Andrin Hauri, **Climate Change in the Swiss Alps**, *CSS Analyses in Security Policy*, No. 290.

Benjamin Scharte, **COVID-19: Germany Rethinks Civil Protection**, *CSS Analyses in Security Policy*, No. 287.

Lisa Mende, Benjamin Scharte, et. al, **Freiwillige in der Krise erfolgreich(er) einbinden: Handlungsempfehlungen für die lokale Verwaltung**, *HybOrg Praxispapier*, 2021.

Lisa Mende, Benjamin Scharte, et. al, **Flexibel durch die Krise: Handlungsempfehlungen für die lokale Verwaltung**, *HybOrg Praxispapier*, 2021.

## Other activities

### Blog: Strategic Foresight: Can Prediction Challenges Be a New Tool for Governments?

The pandemic has increased the willingness to engage in strategic foresight and “think about the unthinkable.” Kevin Kohler highlights Prediction Challenges as one of the methods of Strategic Foresight.

### Blog: Cell Broadcast: Sinnvolle Ergänzung zur Alarmierung der Bevölkerung

Kevin Kohler, Andrin Hauri and Benjamin Scharte discuss cell broadcasting in an emergency. They explain the current warning system in Switzerland, discuss the advantages and disadvantages of supplementing it with cell broadcasting and how such a warning system could be set up for the future.

Radio Interview: **Climate Change Is Here – Not on Its Way**  
How should we understand the risks we face as the climate crisis intensifies? What makes a community vulnerable to extreme weather? Christine Eriksen answers these questions and more on Living Planet, a Deutsche Welle radio program.

### Radio interview: Katastrophenschutz: Wie beugt man Risiken vor, die bislang beispiellos waren?

Flood situation in Germany: In this Deutschlandfunk Kultur interview, Benjamin Scharte answers questions about how to assess the risk of an unprecedented catastrophic event, as well as technical and human resilience.

## The CSS in Figures

Among the Top Ten most viewed websites at ETH Zurich, was that of the CSS with over **537,429** views.

A total of **747,309** documents were downloaded from the CSS website, the most common being the CSS Analyses with almost **200,000** downloads.

CSS has **15,400** followers on Twitter, nearly **110,000** on Facebook and **19,120** on LinkedIn.

CSS staff contributed to **18** different courses at ETH Zurich reaching **551** students.

CSS employees gave more than **250** lectures to academic and non-academic audiences.

In its advisory role, the CSS entered into dialogue more than **160** times with CSS partners in politics and administration in workshops, hearings and other formats.

CSS employees published **17** articles in Swiss newspapers and were interviewed **40** times by Swiss media.

## Honors

### ERC Grant for Matthias Leese:

The data practices of European law enforcement and border control



Matthias Leese, political scientist and CSS Senior Researcher, focuses on the data quality in databases of European border control and security authorities. These databases – which include, for example, the information systems of the Schengen area and Europol – are important for security in Europe. However, if the data stored in them is inaccurate or not up to date, this can limit the efficiency of the authorities or affect the fundamental rights of citizens. Leese's project will explore how security organizations handle their data and their awareness of data quality issues. He will also develop recommendations for the attention of the stakeholders involved.

› *Christine Eriksen* received the **Inspirational Female Geographer** honor from the Royal Geographical Society with the Institute of British Geographers as part of their 2021 International Women's Day initiative.

› *Valerie Sticher* received the **2021 Cedric Smith Prize for the best article**: 'Negotiating Peace with Your Enemy: The Problem of Costly Concessions' from the Conflict Research Society (CRS).

› *Govinda Clayton* received the **Webby Nomination: Best Explainer on Internet 2020** from the International Academy of Digital Arts and Sciences (IADAS).



# CSS Research



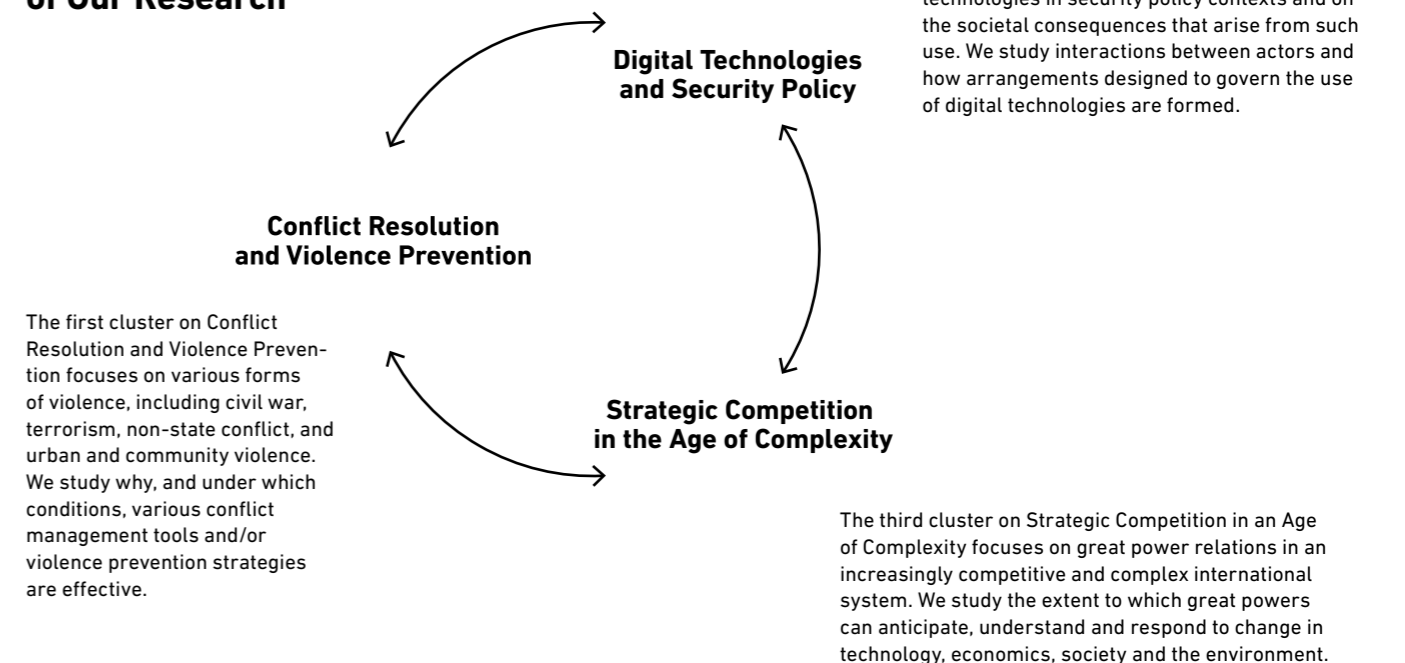
**“Research at CSS is diverse, interdisciplinary and relevant.”**

**Dr. Myriam Dunn Cavelty,**  
Deputy Head CSS Research and Teaching

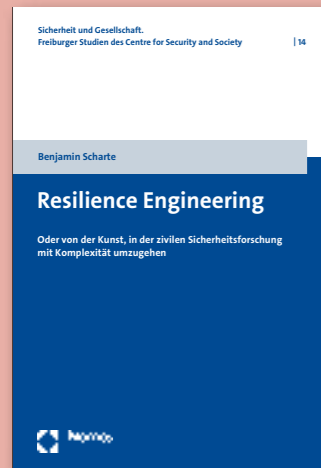
CSS research is dedicated to a wide range of security policy issues with high socio-political relevance. We distinguish ourselves through excellent, innovative and high-impact academic research; a dialogue with practitioners and the broader public about the results of that research; and the provision of high-quality teaching for academic and practitioner students. Our research is theory-driven, empirically grounded, and methodologically pluralistic. We are concerned with old and new threats to states and their

societies and with the way in which key actors organize to address these threats. The analysis of causes and consequences of political violence, of shifts in security thinking, and of institutions, political processes, norms, and policies to mitigate insecurity, define us. It is true that we operate in an inherently inter- and transdisciplinary field: We draw on explanatory approaches from international relations, international history, science and technology studies, political sociology, political psychology, and criminology.

## The Three Clusters of Our Research



## Selected Books and Book Chapters



*Benjamin Scharte*  
**Resilience Engineering –  
 Oder von der Kunst, in der zivilen  
 Sicherheitsforschung mit Kom-  
 plexität umzugehen**  
 2021  
[Onlineversion](#)

Our world is becoming increasingly complex. To make it safer, we need resilience – understood as generic adaptability. In this book, Benjamin Scharte argues that resilience can be normatively desirable by combining individual freedom and security. From this, he develops a new concept of resilience for civil security research and shows how engineering can implement it through system principles such as diversity, modularity, decentralization, and redundancy. ■

*Sophie-Charlotte Fischer, Andrea Gilli,  
 Mauro Gilli*  
**Technological Change and Grand  
 Strategy**  
 In: The Oxford Handbook of Grand Strategy  
 2021  
[Onlineversion](#)

What is the relationship between technological change and grand strategy? Can great powers promote technological trends that enable them to pursue certain grand strategic goals? Or is technological change beyond the reach of great powers and therefore acts as an independent enabler or constraint? This book chapter by CSS PhD student Sophie-Charlotte Fischer, Andrea Gilli, and CSS researcher Mauro Gilli provides a brief introduction to the link between technological change and grand strategy. ■

*Myriam Dunn Cavelty, Andreas Wenger  
 (eds.)*  
**Cyber Security Politics: Socio-  
 Technological Transformations  
 and Political Fragmentation**  
 2022  
[Onlineversion](#)

This anthology, edited by Myriam Dunn Cavelty and Andreas Wenger, examines new and challenging political aspects of cybersecurity and presents it as an issue defined by socio-technological insecurity and political fragmentation. The first part addresses the current use of cyberspace in conflict situations, while the second part focuses on political responses of state and non-state actors in an environment characterized by insecurity. This highlights four key debates that summarize the complexities and paradoxes of cybersecurity policy from a Western perspective. ■

## CSS Studies in Security and International Relations

The CSS Studies in Security and International Relations focus on historical and current security policy issues. Based on a broadened concept of security, the series presents itself as a forum for innovative research. The authors of the studies include both CSS Researchers and scholars from associated partner institutes.

The following books have already been published in this series:

*Myriam Dunn Cavelty, Andreas Wenger  
 (eds.)*  
**Cyber Security Politics: Socio-Techno-  
 logical Transformations and Political  
 Fragmentation**  
 2022

*Andreas Wenger, Ursula Jasper,  
 Myriam Dunn Cavelty (eds.)*  
**The Politics and Science of Prevision**  
 2021

*Stephen Aris, Aglaya Snetkov,  
 Andreas Wenger (eds.)*  
**Inter-Organizational Relations in  
 International Security**  
 2018

*Roland Popp, Liviu Horovitz,  
 Andreas Wenger (eds.)*  
**Negotiating the Nuclear  
 Non-Proliferation Treaty: Origins  
 of the Nuclear Order**  
 2016

*Wilhelm Mirow*  
**Strategic Culture, Securitisation and  
 the Use of Force: Post-9/11 Security  
 Practices of Liberal Democracies**  
 2016

*Aglaya Snetkov*  
**Russia's Security Policy under Putin:  
 A Critical Perspective**  
 2015

*Thierry Tardy, Marco Wyss*  
**Peacekeeping in Africa: The Evolving  
 Security Architecture**  
 2014

## Selected Journal Articles



*Lennart Maschmeyer*  
**The Subversive Trilemma:  
 Why Cyber Operations Fall Short  
 of Expectations**  
 In: International Security, 2021

Many expect cyber operations to provide independent benefits in both warfare and low-intensity competition. However, they typically fail to deliver on this promise due to the subversive trilemma of cyber operations, where speed, intensity, and control are negatively correlated. In this article for International Security, Lennart Maschmeyer empirically supports this argument using a case study of the Russian-Ukrainian conflict. ■

*Enzo Nussio, Tobias Böhmelt,  
 Vincenzo Bove*  
**Do Terrorists Get the Attention  
 They Want? Comparing Effects of  
 Terrorism Across Europe**  
 In: Public Opinion Quarterly, Vol. 85, No. 3  
 Oxford University Press, Oxford, 2021

Terrorists aim to influence an audience beyond their immediate victims. However, they can only achieve this if an attack receives sufficient public attention. In this article for Public Opinion Quarterly, CSS Researcher Enzo Nussio, Tobias Böhmelt, and Vincenzo Bove combine a quasi-experimental approach to causal identification with a comparative design to analyze whether terrorists receive attention. ■



*Myriam Dunn Cavelty, Jonas Hagmann*  
**The Politics of Security and  
 Technology in Switzerland**  
 In: Swiss Political Science Review, 2021

Technologies play a critical role in security policy. Recently, IR scholars have aimed to understand the social and political practices that influence the shape, design, and deployment of security technologies, rather than assuming that technologies have linear, independent effects on policy. This journal article by CSS' Myriam Dunn Cavelty and Jonas Hagmann takes this new perspective and applies it to issues at the forefront of public debate in Switzerland. Their contributions analyze how cybersecurity, predictive policing, drones, artificial intelligence, targeted sanctions, urban design, and spyware are deliberated, negotiated, programmed, and critiqued in Switzerland. ■

Enzo Nussio, Juan E. Ugarriza

### Why Rebels Stop Fighting: Organizational Decline and Desertion in Colombia's Insurgency

In: International Security  
MIT Press 2021

The unauthorized exit from an armed organization, what we call "desertion," is a highly consequential act. If caught, deserters may face drastic punishment, including execution. Why, then, do some members of armed groups nevertheless decide to stop fighting? In this article of the journal International Security, CSS' Enzo Nussio and Juan E. Ugarriza offer a new theoretical argument about the organizational dynamics associated with desertion, drawn from collective action theory. ■



Florian Egloff, Myriam Dunn Cavelty

### Attribution and Knowledge Creation Assemblages in Cybersecurity Politics

In: Journal of Cybersecurity  
Oxford University Press 2021

Attribution is central to cybersecurity politics. It establishes a link between technical occurrences and political consequences, ultimately creating cybersecurity "truths" with political consequences. In this Journal of Cybersecurity article, CSS' Florian Egloff and Myriam Dunn Cavelty purport that the "truth" about cyber-incidents, established through attribution, is constructed through a knowledge creation process being neither value-free nor purely objective but built on assumptions and choices. ■

Matthias Leese

### Security as Socio-Technical Practice: Predictive Policing and (Non-)Automation

In: Swiss Political Science Review  
Swiss Political Science Association, 2021

Predictive policing is among the most prevalent new technological tools for law enforcement. Understanding how the police produce knowledge about crime and society in technologically mediated ways is important vis-a-vis practices of social ordering. In this Swiss Political Science Review article, CSS' Matthias Leese suggests to draw on literature from Science and Technology Studies (STS) in order to understand the impact of technology not as analytically isolated artefact, but as embedded in socio-technical relations that define how it comes to matter in everyday practice. ■

Alexander Bollfrass

### Separating isotope facts from fallacies: nuclear weapons proliferation in the eyes of three intelligence communities

In: Intelligence and National Security  
Taylor & Francis, 2021

CSS' Alexander Bollfrass compares how intelligence agencies have performed in assessing the nuclear proliferation intentions of other countries. Using original archival and declassified documents from the Cold War era, this Intelligence and National Security article appraises the accuracy of American, British, and West German intelligence proliferation assessments of India and Argentina. ■



Miguel Alberto Gomez, Christopher Whyte

### Breaking the Myth of Cyber Doom: Securitization and Normalization of Novel Threats

In: International Studies Quarterly,  
Vol. 65, No. 4.  
Oxford University Press, 2021

Do logic-of-the-domain explanations account for insecurity following cybersecurity incidents? In this International Studies Quarterly article, CSS' Miguel Alberto Gomez and Christopher Whyte demonstrate that repeated exposure to news of cybersecurity incidents does not cause panic and dread among publics. Rather, perceptions are shaped by embeddedness in digital society and the sense of control such that exposure mitigates negative emotions over time, normalizing novel threats. Moreover, assessments of digital threats towards the polity are grounded on personal threat sensitivity. ■

## Doctoral Program of the Center for Comparative and International Studies (CIS)

At the heart of the doctoral program of the Center for Comparative and International Studies (CIS) is the writing of the dissertation. Additionally, the students attend – complementary to their previous courses of study – courses in their respective specialties. The following dissertations were supervised by the CSS in 2021:

- › *Markus Geray*  
**You Shall (not) Pass: Where, Why, and How Armed Groups use Roadblocks in Violent Conflicts**
- › *Jennifer Scurrall*  
**How Artificial Intelligence Modifies Political Opinion Formation – An Experimental Approach to Understand the Influence of Political Bots in Online Social Networks**
- › *Claudia Wiehler*  
**Contagious Escalation: Investigating Network Effects Between Community-based and Militarized Conflict Dyads**
- › *David Kostenwein (ISTP Doctorate)*  
**In Between Walls and Fences: How Gated Communities in Bogotá Shape Exclusive and Insecure Public Spaces outside the Gates**
- › *Samuel Lloyd (ISTP Doctorate)*  
**Urban Policies as Tools for Enhancing Informal Social Control Processes and Reducing Crime in Public Space**
- › *Annabelle Vuille*  
**Big Ticket vs. Small, Smart, and Many: Exploring Small State Force Structure Choices** (Southern Denmark University)
- › *Valerie Sticher*  
**Ceasefires as Bargaining Instruments in Intrastate Conflicts: Ceasefire Objectives and Their Effects on Peace Negotiations** (Leiden University)
- › *Amos Dossi*  
**Balancing Scale against Heterogeneity: How Military-Technological Complexity Influences Optimal Framework Size in Armaments Procurement** (University of St. Gallen)

## Research Project

### Keeping Many Peaces: Conflict Resolution in Local, Non-State Based Conflicts



Workshop for local peacebuilding in the Central African Republic, 2021. © Allard Duursma

The central question of this project is: How effectively do peacekeeping missions contribute to ending and resolving non-state conflicts? Non-state conflicts between communal groups, armed militias, or armed opposition groups are pervasive in places where peacekeeping operations are currently conducted. Accordingly, it is critical to understand how peacekeepers contribute to ending and resolving non-state conflicts.

However, little attention has been paid to the role of peacekeeping personnel in conflict management in non-state conflicts. Most research to date has focused on how peacekeeping influences fighting between government forces and rebel groups in civil wars. This project therefore examines how peacekeeping operations contribute to ending and resolving non-state conflicts.

## Research Project

### Strong Communities, Weak States. Lynching in Latin America

In this research project, Enzo Nussio and Govinda Clayton are collaborating with a group of students to examine the issue of vigilante justice in Latin America. Due to impunity and state illegitimacy, Latin American citizens often take justice into their own hands and punish suspected criminals.

The backbone of the project consists of a dataset on such vigilante events that took place in Latin America between 2010 and 2019. Thanks to newspaper reports, the research team was able to identify about 2500 such cases, with a fatality in 20% of them. A survey and qualitative field research were conducted in Mexico City to deepen the research.



# CSS Think Tank



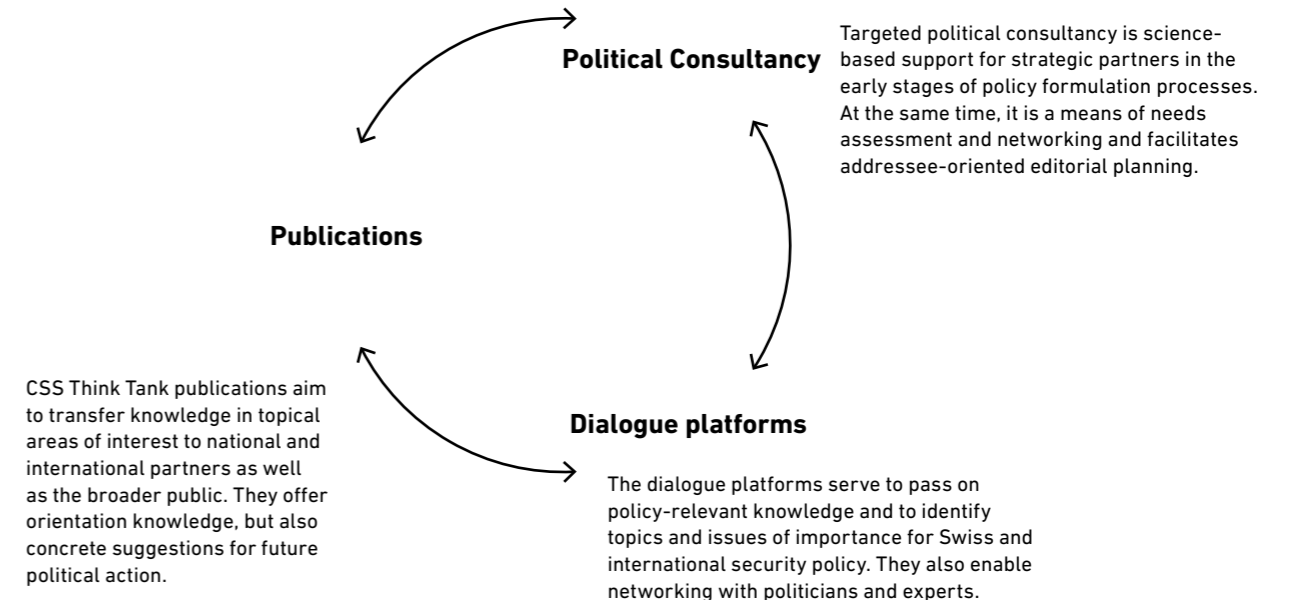
**“Political consultancy thrives through constant dialogue with policymakers and society.”**

**Dr. Oliver Thränert,**  
Head CSS Think Tank

The basis of the CSS Think Tank’s work is its understanding of science-based advisory work as part of a continuous dialogue between politics, science and society. Knowledge production aimed at consultancy is not a one-way street. What issues are relevant or to be prioritized for politics and society cannot be developed by the CSS Think Tank on its own. Rather, this can only succeed if its employees are in constant dialogue with politics and society. Therefore, the CSS Think Tank is in constant and close exchange with its strategic partners. The resulting knowledge about the needs of politics and society allows for an early anticipation of topics.

It also feeds into editorial planning for publications, dialogue platforms and policy advice. The feedback on the written and oral products forms the basis for further topic planning. In short, the dialogue-based knowledge production of the CSS Think Tank results in needs-oriented advice, which in turn leads to the raising of new questions.

## Think Tank Work as a Dialogue among Science, Politics and Society



# CSS Analyses in Security Policy

**Geostrategischer Sturm über dem Indischen Ozean**  
China, die USA und Indien konkurrieren um politischen, wirtschaftlichen und militärischen Einfluss im Indischen Ozean. Das kürzliche Machtgefüge in der Instabilität wenig entwickelten Regionen wird multipolarer und instabiler. Die maritime Sicherheit ist gefährdet – mit möglichen Rückwirkungen auf die europäische Versorgungssicherheit.

**Europa und der Atomwaffenverbot**  
Das Inkrafttreten des Atomwaffenverbotsvertrags gibt einem Bedürfnis nach in den Parlamenten und der Zivilgesellschaft Rückwind, um den Druck auf atomar bewaffnete Staaten und ihre militärischen Verbündeten zu erhöhen. Besonders in Europa hat der Vertrag Auswirkungen auf lang bestehende Positionen und könnte zu die größten Bemühungen zur nuklearen Abschaltung beeinflussen.

**Kampfroboter: Realität oder Science-Fiction?**  
Die fortschreitende Robotisierung von Streitkräften wirft Zweifel auf, ob tödliche autonome Waffensysteme überhaupt erstrebenswert sind. Unbewaffnete Militärfahrer haben zwar bereits unzählige neue Möglichkeiten eröffnet. Die Entwicklung vollautonom, intelligenten Maschinen bleibt aber gegenwärtig noch Zukunftsmusik.

**Newsletter CSS Analyses**  
A newsletter that regularly reports on the latest issues can be subscribed to at [www.css.ethz.ch/cssanalysen](http://www.css.ethz.ch/cssanalysen).

Since 2006, the CSS Analyses in Security Policy have been discussing current foreign and security policy developments and their backgrounds in a concise form. The topics are often examined with a view to Switzerland, but usually also appeal to an international audience. CSS analyses are published on the first Wednesday of the month (except January, July and August) in German, French and English.

Editors: Lisa Watanabe, Julian Kamasa, Fabien Merz, Benno Zogg, and Névine Schepers.

### All CSS Analyses 2021

- > No. 296: **Regulating Cyber-security in the Health Care Sector** *Nele Achten*
- > No. 295: **Microchips: Small and Demanded** *Julian Kamasa*
- > No. 294: **Die Taliban im Fokus Chinas und Russlands** *Brian Carlson*
- > No. 293: **Ukraine, Georgia and Moldova between Russia and the West** *Henrik Larsen*
- > No. 292: **From Robots to Warbots: Reality Meets Science Fiction** *Dominika Kunertova*
- > No. 291: **European Fighter Programs: A Preliminary Assessment** *Amos Dossi, Niklas Masuhr*
- > No. 290: **Climate change in the Swiss Alps** *Christine Eriksen, Andrin Hauri*
- > No. 289: **The Persisting Past of Iraq** *Mae Anna Chokr*
- > No. 288: **Contemporary Christian Nationalism in the US** *Cora Alder, Emanuel Schäublin*
- > No. 287: **COVID-19: Germany Rethinks Civil Protection** *Benjamin Scharte*
- > No. 286: **Europe and the Nuclear Ban Treaty** *Névine Schepers*
- > No. 285: **Weaponized and Overhyped: Hypersonic Technology** *Dominika Kunertova*
- > No. 284: **Geostrategischer Sturm in the Indian Ocean** *Boas Lieberherr*
- > No. 283: **Intersectional Conflict Analysis: Religion and Gender** *Cora Alder*
- > No. 282: **Undermining Trust: Rearmament in the Western Balkans** *Andrej Marković, Jeronim Perović*
- > No. 281: **Local Mediation with Religious Actors in Israel-Palestine** *Simon Mason*
- > No. 280: **Yemen – A Playing Field for Regional Powers** *Jeremy Guggenheim*
- > No. 279: **CSDP Missions: Addressing their Limited Reform Impact** *Henrik Larsen*
- > No. 278: **Digital Disinformation: Evidence from Ukraine** *Lennart Maschmeyer*
- > No. 277: **South-East Asia: A Hotspot in Great Power Rivalry** *Linda Maduz, Simon Stocker*

# CSS Policy Perspectives

In the CSS Policy Perspectives, CSS staff members analyze current security policy issues, sometimes in co-authorship with international guest authors. CSS Policy Perspectives are produced on an ad-hoc basis and translate the CSS's academic expertise into policy-oriented analyses and recommendations for action. The publication targets an international audience and is therefore mostly written in English. Fourteen CSS Policy Perspectives were published in the 2021 reporting year:

- > **Europe: Greater Autonomy, Better Allies**
- > **The Role of Value Systems in Conflict Resolution**
- > **Redesigning Nuclear Arms Control for New Realities**
- > **NATO's Strategic Concept: Three Do's and Don'ts**
- > **Nord Stream 2: It's Time to Change Perspective**
- > **European Drone Clubs Stall Strategic Autonomy**
- > **COVAX Needs a Political Future**
- > **Arms Control Without Treaties**
- > **Belarus in Upheaval: Three Scenarios**
- > **Turbulent Trade: Europe and the Biden Challenge**

**CSS Policy Perspectives Newsletter**  
A newsletter, which provides regular updates on the latest issues, can be subscribed to at [www.css.ethz.ch/en/publications/css-policy-perspectives.html](http://www.css.ethz.ch/en/publications/css-policy-perspectives.html).

# Russian Analytical Digest

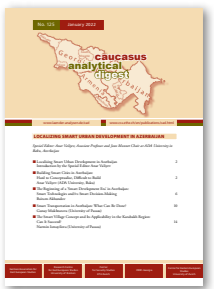
The Russian Analytical Digest (RAD) analyzes events, trends and developments with regard to the political, economic, security and social situation in Russia. Each issue contains academic and policy-relevant articles by international authors, as well as thematic statistical information, graphs and opinion polls. The publication is published in cooperation with the Research Center for Eastern European Studies at the University of Bremen, the Institute for European, Russian and Eurasian Studies at George Washington University, the Center for Eastern European Studies (CEES) at the University of Zurich, and the German Society for Eastern European Studies (DGO).



- Russian Analytical Digest (RAD)
- > No. 274: **Russian-US Relations**
  - > No. 273: **Russia and the Conflicts in the South Caucasus: Perspectives from Armenia and Azerbaijan**
  - > No. 272: **Russian Agriculture and Climate Change**
  - > No. 271: **Duma and Regional Elections 2021**
  - > No. 270: **Russia-Turkey Relations**
  - > No. 269: **Russia and the Arctic**
  - > No. 268: **The State of the Russian Economy**
  - > No. 267: **Nord Stream II**
  - > No. 266: **Preparing for the Parliamentary Elections of 2021: Russian Politics and Society**
  - > No. 265: **Russia's Relations With China**
  - > No. 264: **Agriculture**
  - > No. 263: **Social Inequality**

# Caucasus Analytical Digest

The Caucasus Analytical Digest (CAD) is published as an Internet publication by the CRRC-Georgia / Research Center for Eastern European Studies at the University of Bremen, the CSS, the Center for Eastern European Studies (CEES) at the University of Zurich, and the German Society for Eastern European Studies (DGO). The CAD analyzes the political, economic, and social situation in the three South Caucasian states of Azerbaijan, Armenia, and Georgia in terms of the international and security dimensions of the region's development.



### Caucasus Analytical Digest (CAD)

- > No. 125: **Localizing Smart Urban Development in Azerbaijan**
- > No. 124: **Participation of Civil Society in Georgia's Climate Policy**
- > No. 123: **Georgia's Political Crisis: Actors and Instruments of Polarization**
- > No. 122: **Tourism in Georgia: From Past Lessons to Future Perspectives**
- > No. 121: **Local Dimensions of the Nagorno-Karabakh Conflict**
- > No. 120: **Renewable Energy in the South Caucasus**
- > No. 119: **Mitigating the Social Consequences of the COVID-19 Pandemic**

## Bulletin 2021 on Swiss Security Policy

The 2021 issue of the CSS' annual "Bulletin on Swiss Security Policy" again deals with current issues in Swiss foreign and security policy. In addition to an interview with Federal Councillor Viola Amherd, it contains five other articles. The authors analyze issues at both the strategic and operational levels, at the level of the administration, and in parliamentary processes.



The entire bulletin, including the interview and all five articles, can be downloaded as a pdf: [Onlineversion](#)

### Opportunity on the international stage: Switzerland on the UN Security Council

In this article, Fabien Merz focuses on the United Nations Security Council. Switzerland has a good chance of being elected for the first time as a non-permanent member of the UN Security Council in 2023/24. According to the author, the seat is a historic opportunity to contribute to peace on the international stage. In order to contribute profitably to this body, which is dominated by the permanent members, Switzerland can benefit from the experience of other smaller members elected into the Security Council.

### Multilateralism in Transition: Challenges and Opportunities for the OSCE

In this contribution, Lisa Watanabe examines current challenges and opportunities for the Organization for Security and Co-operation in Europe (OSCE) in the context of Secretary General Thomas Greminger's mandate, which ended in 2020, and the increasing polarization among OSCE member states. In addition, it refers to the CSS publication "Multilateralism in Transition", which was published in the summer of 2021 on the same topic. The five main messages of this publication regarding consensus-building within the OSCE, its long-term focus on conflict resolution and new challenges for the organization are summarized in this article.

## Strategic Trends 2021

The publication series Strategic Trends offers an annual analysis of important developments in world politics. The focus is on issues of international security. The volumes contain in-depth studies of selected key trends and are enriched with numerous graphics. The series is published in English.

In 2021, major trends in world politics are leading to rapid changes in the international order. These trends have been underway for some time, but the coronavirus pandemic has accelerated them. Competition among great powers and dangerous crises threaten to erupt in all regions of the world, perhaps even simultaneously.



### China- Russia Relations and Transatlantic Security

In the first chapter Brian G. Carlson examines the impact of the relationship between China and Russia on transatlantic security.

### Franco-German-British Security Cooperation After Brexit

In the second chapter Julian Kamasa evaluates the potential for security cooperation between France, Germany, and the United Kingdom in the E3 and other post-Brexit formats.

### Turkey's New Outlook: Power Projection in the Middle East and Beyond

In the third chapter Niklas Masuhr analyzes the recent military interventions by Turkey. He points out their limited success and dependence on Russia's consent.

### Europe and Major-Power Shifts in the Middle East

In the fourth chapter Lisa Watanabe describes how US withdrawal from the Middle East has allowed other powers, particularly Russia and China, to increase their involvement in the region.

### Japan and South Korea: Adapting to Asia's Changing Regional Order

In the concluding chapter, Linda Maduz analyzes Japan's and South Korea's responses to China's rise and to concerns about continued US involvement in Asia.

Due to the Corona pandemic, the annual workshop to present the "Strategic Trends" unfortunately did not take place. Instead, the theses of the authors were presented online:

- June 4: Webinar with DDPS and representatives of the Swiss Armed Forces
- June 11: Presentation of the chapters to the FDFA and representatives of Swiss embassies
- June 16: Presentation of the theses at the GCSP



On May 23, 2021, a double-page was published in the Neue Zürcher Zeitung with summaries of two Trends articles on Turkey's Middle East policy and Russian-Chinese rapprochement. The latter topic was also presented in an article in the newspaper Le Temps on June 10.

## Studie Sicherheit 2021

Aussen-, Sicherheits- und Verteidigungspolitische Meinungsbildung im Trend



Authors: **Tibor Szvircsev Tresch, Andreas Wenger, Stefano De Rosa, Thomas Ferst, Robert Jacques**  
Editors: **Tibor Szvircsev Tresch, Andreas Wenger**

The publication is published in German and includes summaries in German, French, Italian and English. [Onlineversion](#)

The annual study Security, which is published jointly by the Military Academy and the CSS, serves to identify long-term trends and tendencies in the formation of opinion on foreign, security and defense policy in Switzerland. They are based on representative surveys conducted every year and include the repetition of core questions on foreign, security and defense policy as well as surveys on selected in-depth topics.

The data of the study were collected between January 5 and 26, 2021. The COVID 19 pandemic and the associated restrictions on public life, Brexit, the storming of the Capitol in Washington (Jan. 6, 2021) and the inauguration of the new US President Joe Biden (Jan. 21, 2021) may have had an influence on response behavior.

In January 2021, the Swiss generally feel very secure and are unanimous in their support for neutrality. In terms of foreign policy, the Swiss electorate is conditionally more open. Respondents continue to have a positive attitude toward the Swiss army. A general compulsory civil service for Swiss men and women is supported by a majority and viewed positively.

## CSS Dialogue Platforms

### Book Launch: "Multilateralism in Transition: Challenges and Opportunities for the OSCE"

On July 19, 2021, the CSS, in collaboration with the OSCE Network of Think Tanks and Academic Institutions, hosted an online book launch. How is the OSCE dealing with the current challenges of geopolitical polarization and the crisis of multilateralism? The event weighed the pros and cons of OSCE consensus principles, discussed how to apply these principles while better clarifying priorities, and how to balance conflict management and resolution. ■

### ETH CSS Joint Report Online Launch: "Redesigning Nuclear Arms Control for New Realities"

The CSS held an online event on December 1, 2021, to launch this report, which provides an assessment of the current state of nuclear arms control. The authors outline building blocks and guiding lines for a transatlantic political strategy on nuclear arms control adapted to today's security and geopolitical environment. It is the result of discussions by a transatlantic working group convened by the CSS between October 2020 and August 2021. ■

### ETH Online Event Talk: "Polizeiarbeit in Pandemiezeiten"

On December 6, 2021, the CSS hosted a virtual ETH Evening Talk. Police forces ensure public safety. Due to the Corona pandemic, they are facing new challenges. What lessons can be learned from the experience gained so far for crisis management in general? In addition to trying to answer this question, topics such as the use of digital technologies in law enforcement and international police cooperation were discussed. ■

## CSS Political Consultancy Selected Studies

In its advisory role, the CSS supports various public sector actors working in the field of security policy.



*Brian G. Carlson, Niklas Masuhr, Boas Lieberherr, Linda Maduz, Henrik Larsen, Fabien Merz, Amos Dossi, Julian Kamasa, Névine Schepers, Dominika Kunertova, Benjamin Scharte, Christine Eriksen*  
**Sicherheitpolitische Trends 2022–2030: Grossmächtekonflikt und Technologiewettbewerb**  
Center for Security Studies (CSS), 2021

Each year, CSS analyzes global political developments and possible consequences for Switzerland over the next eight years. This time we focus on trends of the Chinese and Russian great powers; potential and risks of AUCUS, the new military alliance between Australia, UK and USA; Europe's place in the world between China and the USA; security scenarios in the "Indo-Pacific"; NATO's adaptation to challenges from the great powers Russia and China; and Turkey as a conflict actor. ■

*Linda Maduz*  
**Confidence and Securitybuilding on the Korean Peninsula and the Role of Switzerland**  
Center for Security Studies (CSS), 2021

This CSS study by Linda Maduz argues that Switzerland is well-positioned to play a constructive role on the Korean Peninsula, whose geopolitical importance is rapidly increasing. ■



*Thomas Greminger, Fabian Grass, Anna Hess Sargsyan, David Lanz, Benno Zogg*  
**Multilateralismus im Umbruch: Herausforderungen und Chancen für die OSZE**  
Center for Security Studies (CSS), 2021

This CSS study examines the challenges posed to the OSCE by the broad context of the global crisis of multilateralism and increasing geopolitical polarization, and how it has responded. ■

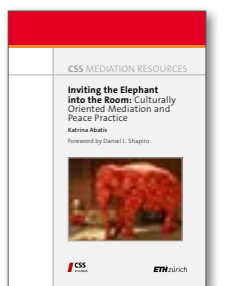
*Stefan Soesanto*  
**Terra Calling: Defending and Securing the Space Economy**  
Center for Security Studies (CSS), 2021

This report attempts to provide the reader with a better understanding of the fundamental cybersecurity and cyberdefense challenges in the space domain. Finally, the author provides some recommendations for the Swiss government and a brief outlook that identifies three future trends. ■



*Jakob Bund*  
**Finding China's Edge**  
Center for Security Studies (CSS), 2021

This report analyzes China's influx efforts through the lens of narrative control, cutting through questions of factual accuracy and seeking to focus on the longer-term interests and priorities that shape Beijing's messaging. Building on existing analyses that have increased visibility of the growing presence of Chinese propaganda elements on Western social media platforms, this report examines tactical developments in social media use to understand what capability developments may persist beyond the pandemic. ■



*Katrina Abatis*  
**Inviting the Elephant into the Room: Culturally Oriented Mediation and Peace Practice**  
Center for Security Studies (CSS), 2021

Katrina Abatis focuses on the United Kingdom, where increasing polarization threatens to undermine previous strategies of social integration and the population increasingly questions established institutions. Culture is often invisible to conflicting parties, who can only see the world through their own lens, so that conflicts over values seem insurmountable. ■



## Selected Hearings, Workshops and Courses

### Course for Higher Cadres of the Swiss Security Association (LG SVS II / 2021)

On August 31, 2021, Prof. Andreas Wenger gave the opening lecture with subsequent discussion at the SVS senior management course in Bern on the topic of "Switzerland's Security Policy in a Historical Perspective". ■



### Workshop: Power in the Age of Great Power Rivalry

On September 30, 2021, CSS staff and representatives of the FIS met for a one-day workshop. In a first block, the participants were asked how the balance of power between the USA, Russia and China can be assessed on the basis of various factors. After that, the military relations between the three great powers were analyzed in depth. Subsequently, the focus was on China as a challenge for Europe and finally on the Middle Kingdom as a problem for the global order. ■

### Spiez CONVERGENCE 2021 und 6th United Nations Secretary-General's Mechanism (UNSGM) Designated Laboratories Workshop

The CSS supported the Spiez Laboratory in the organization and implementation of the 4th Spiez CONVERGENCE Conference 2021 (September 10 and 13–15, 2021) and the 6th UNSGM Designated Laboratories Workshop 2021 (September 16–17, 2021). The events originally scheduled for September 2020 were held virtually due to the Covid-19 pandemic. In particular, the CSS was co-responsible for the program planning of Spiez CONVERGENCE by identifying relevant topics and speakers, developing an event concept for virtual delivery, and preparing the conference report. ■

### UN Religion and Mediation Course

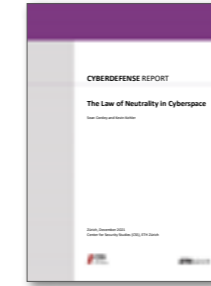
In December 2021, the CSS, together with the UN DPPA, the FDFA, and the Network for Religious and Traditional Peacemakers, led a four-day online course on conflict analysis, mediation skills, and process design. The course was tailored to conflicts in which religious dimensions, worldviews, and value systems play a role and was devoted to case studies from Mali, Afghanistan, and Colombia, among others. The workshop was held as part of the Culture and Religion in Mediation (CARIM) program, an initiative of the CSS and the FDFA. ■

### Worldview Learning Workshop

In September 2021, the CSS, together with the FDFA, Seton Hall and the University of British Columbia, organized a workshop to map the different approaches and methods used by peace practitioners to deal with ideological differences in conflicts. The workshop was held as part of the Culture and Religion in Mediation (CARIM) program, an initiative of the CSS and the FDFA. ■



Discussion of a case study in Kartause Ittingen, © David Wood



### Workshop to discuss the CSS Cyberdefense Report, "The Law of Neutrality in Cyberspace."

On 6 October 2021, the study on the topic of cyber and neutrality was presented by CSS researchers to experts from the DDPS, the FDFA and the Cyber Command project in a face-to-face workshop in Bern. Specific questions and feedback on the study could thus be discussed together before publication in December. ■

### Redefining Peace Leadership

Very little is known about the experiences of women mediators and negotiators in track-one peace processes. To address this issue, women mediators and negotiators from a wide range of conflict contexts and peace processes were brought together for three workshops in December 2021 to explore the challenges they have faced and the strategies they have developed at the Track One level. ■

### ETH Science City

Linda Maduz spoke on "China: from poorhouse to world power" on November 9, 2021 and Simon Mason on "Solving armed conflicts peacefully?" on November 21, 2021 as part of ETH Zurich's public event series "Science City". The lectures are available online and are intended to convey to a wider audience the kind of research and teaching that ETH Zurich is involved with. ■

### UNHCR Religion and Conflict Workshop

In May 2021, the CSS, together with the FDFA, organized an online workshop on the analysis of conflicts involving religious actors and appropriate responses to them. The workshop, part of the Culture and Religion in Mediation (CARIM) program, an initiative of the CSS and the FDFA, focused on the UN's worldviews on religion in conflict and the implications for UNHCR's engagement in different conflict contexts. ■

### Multi-track approaches in Peace Processes: Yemen

In November 2021, the "Beyond the Tracks – Yemen" project was launched at this workshop in Amman, hosted by the Swedish Dialogue Institute for the Middle East and North Africa. The core project team of the Mediation Support Project (CSS, swisspeace, supported by the FDFA), the Centre for Humanitarian Dialogue, the Folke Bernadotte Academy and two Yemeni partner organizations jointly discussed goals, processes and next steps. The initiative seeks to clarify the criteria by which dialogue, negotiation, and mediation processes by elites can be linked or delineated with processes at other levels of society. ■



Exercise during Workshop in Amman, © Katrina Abatis



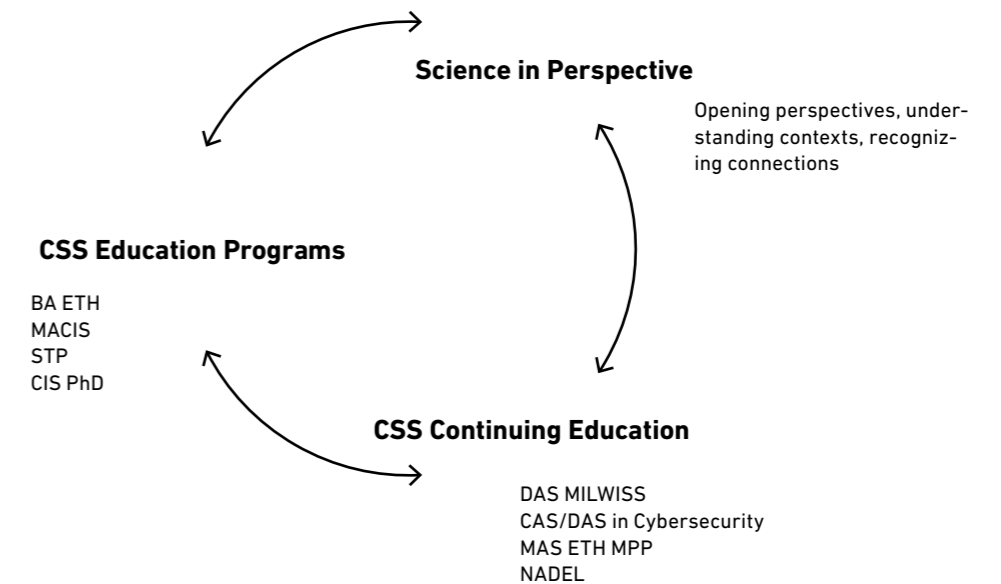
# CSS Education

The CSS education courses are a central part of the study programs of the Department of Humanities, Social and Political Sciences (D-GESS) of ETH Zurich and the Center for Comparative and International Studies (CIS) of ETH Zurich and the University of Zurich.

Our courses cover all aspects of security policy within the framework of ETH teaching, from theory to concepts and history to specific topics. The teaching ranges from introductory lectures with tutorials to research-oriented seminars.

Prof. Andreas Wenger is Director of Studies for the Bachelor in Political Science and the Diploma of Advanced Studies in Military Science and also serves as Program Director for the Master of Advanced Studies ETH Mediation in Peace Processes (MAS ETH MPP).

## CSS Education: Education Programs and Continuing Education



# CSS Education Programs

## BA ETH in Political Science

The six-semester bachelor's degree program BA Governmental Sciences is aimed at prospective Swiss professional officers. It comprises a curriculum of humanities, social and political science subjects, which are supplemented with military science courses. The program is a collaboration between the Department of Humanities, Social and Political Sciences (D-GESS) at ETH Zurich and the Military Academy (MILAK) at ETH Zurich. The students are at the same time graduates of the Bachelor Course (BLG) at MILAK.

### The following courses were offered by CSS in 2021:

#### Lectures:

- > Schweizer Aussen- und Sicherheitspolitik seit 1945 (Spring Semester 2021)
- > Weltpolitik seit 1945: Geschichte der Internationalen Beziehungen (Fall Semester 2021)
- > Die Rolle von Technologie in nationaler und internationaler Sicherheitspolitik (Fall Semester 2021)
- > Einführung in die Cybersicherheitspolitik (Fall Semester 2021)

#### Seminars:

- > Seminar I: Eine neue multipolare Weltordnung – Akteure und Interessen (Spring Semester 2021)
- > Seminar II: Eine neue multipolare Weltordnung – Akteure und Interessen (Fall Semester 2021)

## Master of Arts in Comparative and International Studies (MACIS)

MACIS is a four-semester research-oriented graduate program of the Center for Comparative and International Studies (CIS). The MACIS curriculum combines comparative and international political science to teach students about the complex interrelationships between national, international, and transnational political processes. Particular emphasis is placed on methods, theories and research-oriented work. In this respect, the MACIS is also intended as preparation for the doctoral level. Of the national and international applicants, around 20 students can be accepted each year.

### The following courses were offered by CSS in 2021:

#### Seminars:

- > Ending Violence (Spring Semester 2021)
- > Political Violence (Fall Semester 2021)
- > Politics of Cyber Security (Fall Semester 2021)

## Master of Science in Science, Technology and Policy (STP)

The Master's Program in Science, Technology and Policy has been offered since September 2015. The program provides students of science and technology with the tools to analyze complex societal issues at the interface of science, technology and policy.

### The following courses were offered by CSS in 2021:

#### Seminar:

- > Science Communication (Spring Semester 2021)

## Science in Perspective / Wissenschaft im Kontext

With the course program Science in Perspective / Wissenschaft im Kontext, the D-GESS enables students at ETH Zurich to gain new perspectives on the content of their core subjects. SiP thus enriches studies at ETH Zurich and contributes to the university's unique profile. Various CSS staff members teach in this course program. In the lectures, political contexts are conveyed without which science and technology would be inconceivable. The aim is to empower students to recognize and critically question the connections among scientific knowledge, technical innovations, cultural contexts, individuals and societies. In this way, they expand their reflective skills and are prepared for societal and global developments of the future.

### The following courses were offered by CSS in 2021:

#### Lectures:

- > Schweizer Aussen- und Sicherheitspolitik seit 1945 (Spring Semester 2021)
- > Weltpolitik seit 1945: Geschichte der Internationalen Beziehungen (Fall Semester 2021).
- > Einführung in die Cybersicherheitspolitik (Fall Semester 2021)
- > Die Rolle von Technologie in nationaler und internationaler Sicherheitspolitik (Fall Semester 2021).

## One Study, Two Paths: The Dual-Use Dilemma in the Life Sciences

In the fall semester of 2021, Michèle Gemünden and Oliver Thränert led as part of the course program "Science in Context" (Science in Perspective) conducted the seminar "One Study, Two Paths: The Dual-Use Dilemma in the Life Sciences" as a live online course. Seven-ten students from bachelor to doctoral level from three departments and six different natural and life science programs actively participated in the event. Keynote speeches were given by co-operating partners of Spiez Laboratory and by the Export control center of the ETH complemented the seminar. Interactive group work, a business game as well as individual case studies and the design of a visual Code of Conduct encouraged the students to take an in-depth look at dual-use issues in the life sciences. While scientific findings and technical developments in this area are of great benefit to society, there is a risk of dual use.

At the same time, they often pose a risk of being misused for the production of biological or chemical warfare agents. In this context, the students studied the Chemical Weapons Convention (CWC) and the Biological Weapons Convention (BWC), which prohibit the development, production, use, stockpiling and distribution of such weapons.

## CIS Doctoral Program

The Center for Comparative and International Studies (CIS) offers different ways to complete a doctoral program. The 12 ECTS doctorates of the Department of Humanities, Social and State Sciences (D-GESS) at ETH Zurich specialize in one of the five core research topics – Democracy, Market and Politics, Political Violence, Sustainable Development, and Security. It is possible to pursue a subject-specific or cross-disciplinary doctorate. The subject-specific doctorate is intended for candidates who have completed a master's degree in a

subject area of a D-GESS professorship. (e.g. law, history, philosophy, political science, sociology, economics). The Master's degree should have a similar focus as the doctorate. The cross-disciplinary D-GESS doctorate is recommended for candidates who have obtained a Master of Science (MSc) in natural or technical sciences from ETH Zurich or another university. The D-GESS doctorate requires cooperation with another ETH department – e.g. in the form of co-referees from the natural or technical sciences of ETH Zurich.

# CSS Continuing Education



MAS students during a negotiation simulation. © E. Isoaho

## Master of Advanced Studies ETH Mediation in Peace Processes (MAS ETH MPP)

The CSS supports the Master of Advanced Studies ETH Mediation in Peace Processes. This program provides participants with the necessary knowledge, skills and techniques to mediate in violent political conflicts. The MAS ETH MPP is currently the only MAS program for mediation in peace processes.

The MAS ETH MPP is based on a close partnership between ETH Zurich, the Swiss Federal Department of Foreign Affairs (FDFA) and the foreign ministries of Germany, Finland and Sweden. The program is also supported by international organizations such as the UN, the EU and the Organization for Security and Cooperation in Europe (OSCE). In 2019, the CSS successfully completed the first program cycle and began the second cycle.

The MAS ETH MPP program held a total of four modules in 2021. Module 4 "Mediation Process Design – Models, Theory, and Practice" dealt with the basic elements of process design and their embedding in the respective context. Module 5 "Advanced Mediation Methods – Advanced Skills, Methods, and Organization" offered students the opportunity to deepen the core skills acquired in the first four modules and to apply them in complex conflict situations at the macro level. Finally, Module 6, "Mediation Processes – Simulation and Practice", integrated the overall knowledge, skills, and techniques of the previous five modules in a mediation simulation lasting several days.

The third program cycle also began with the first module "Mediation in Context – Conflict Analysis and Resolution" in November 2021, which introduced the necessary basics and methods to mediate in violent, political conflicts.

The ongoing global pandemic forced the program to move Modules 4 and 5 to the virtual classroom. Fortunately, the students of the second program cycle were able to gather in Zurich for their sixth and final module in October 2021. The students of the third program cycle were also able to take their first module in presence in November 2021. The personal contact after the long period of virtual meetings proved to be very valuable for all participants.

In addition, the MAS ETH MPP program continued its "Mediation Exchanges" knowledge community event series. The following events were offered virtually:

- > 3/2021 "Mediation during a Global Pandemic: The Peace Efforts in Libya" with Stephanie Williams, Special Advisor to UN Secretary-General António Guterres for Libya.
- > 4/2021 "The Power and Impotence of Mediators" with Bill Marsh, independent mediator.

The program also held several virtual meetings with representatives of its Strategic Advisory Board (UN, Switzerland, Germany, Sweden, Finland) during 2021 to introduce the new cohort and plan a formal Advisory Board meeting and high-level policy forum in 2022.

### Modules:

- > Module 4: Mediation Process Design – Models, Theory, and Practice (March 8–26, 2021)
- > Module 5: Advanced Mediation Methods – Advanced Skills, Methods, and Organization (June 7–18, 2021)
- > Module 6: Mediation Processes – Simulation and Practice (September 27–October 15, 2021)
- > Module 1: Mediation in Context – Conflict Analysis and Resolution (November 8–26, 2021).

## DAS ETH in Military Science

The two-semester continuing education program Diploma of Advanced Studies ETH in Military Science (DAS MILWISS) is aimed at prospective professional officers who already have a university degree or equivalent qualification. Admitted are Swiss, but also representatives of friendly foreign armies who were simultaneously accepted into the diploma course of the Military Academy (MILAK) at the ETH Zurich (DLG).

The program DAS MILWISS is accredited at the ETH School for Continuing Education and comprises selected military science subjects supplemented by security policy. It is conducted in cooperation between the Department of Humanities, Social and Political Sciences (D-GESS) of ETH Zurich and MILAK.

On March 12, 2021, 17 graduates of the Bachelor Course (BSG17) and the Diploma Course (DAS19) of the Military Academy were graduated at the ETH. In compliance with the security measures of COVID-19, they received their diplomas as federally certified professional officers at the Military Academy in Birmensdorf. The other guests and family members were able to participate in the event virtually.

## CAS / DAS ETH in Cyber Security

This program takes a multidisciplinary approach that examines both technical and strategic-political aspects of information and cybersecurity. In addition to an introduction to the subject and a seminar on a current cybersecurity topic, lecturers from the Department D-GESS offer a course on political, strategic, governmental and military aspects of cybersecurity.

### CSS employees taught in three courses in 2021:

- > Realities of Cyber Conflict (Max Smeets)
- > Perceptions of Cyber Conflict (Miguel Gomez)
- > Attribution (Florian Egloff)

## NADEL Center for Development and Cooperation

The NADEL Center for Development and Cooperation combines empirical social science research with an interdisciplinary teaching program and various transfer programs for practice and thus pursues the goal of contributing to effective and sustainable development cooperation.

### The CSS cooperates with the NADEL in two courses, which are held every two years:

- > Mediation Process Design – Supporting Dialog and Negotiation
- > Fragile Contexts – Politics, Security and Development

Neither course took place in 2021 but will be offered again in 2022.

## About the Center for Security Studies (CSS)

The CSS is committed to researching Swiss and international security issues. Its activities are structured into the pillars of research, teaching, and think tank. The CSS was founded in 1986 by Prof. em. Dr. Kurt R. Spillmann and has developed into a national center of competence for security policy with an international impact. Its work is independent, of practical relevance, and based on solid academic inquiry. The CSS combines research with policy consultancy to bridge the gap between academia and practice. It trains highly qualified young talents and serves as a point of contact and source of information for the interested public.

### Management, employees

Since 2002, the CSS has been headed by Prof. Dr. Andreas Wenger. He is professor for Swiss and International Security Policy at ETH Zurich and program director of the MAS ETH Mediation in Peace Processes. The CSS employs a total of about 60 staff members. ■

### Partner network

The CSS has a large network of national and international partners from academia, administration, policy, the media, and the private sector. ■

### CSS Internship

Each year, the CSS offers six-week internships for four students from master's or bachelor's programs who are in their final year of study. Due to the coronavirus pandemic, the internships in 2021 could only be carried out to a limited extent. ■

### Strategic partnership

Since 2004, the CSS has been jointly supported by ETH Zurich and the Federal Department of Defence, Civil Protection and Sport (DDPS). Another partnership with the Federal Department of Foreign Affairs (FDFA) was established in 2012. Advisory boards comprising representatives of the two sponsoring bodies support the CSS Management in developing its strategic orientation. The CSS is part of the Department of Humanities, Social and Political Sciences (D-GESS) at ETH Zurich. Together with the chairs in Political Science at ETH Zurich and the University of Zurich, it has formed the Center for Comparative and International Studies (CIS) since 1997. ■

### Alumni

Former employees of the CSS are organized in the Alumni Section CSS of the ETH Alumni. In addition to various benefits, they regularly receive information from the ETH Alumni Association and, in particular, invitations to selected CSS events. Unfortunately, last year's annual meeting had to be cancelled due to the coronavirus pandemic. ■

ETH Zurich  
Center for Security Studies (CSS)  
Haldeneggsteig 4, IFW  
8092 Zurich

[www.css.ethz.ch](http://www.css.ethz.ch)

**Publisher:** Andreas Wenger, Director CSS  
**Editors:** Sarah Krenz, Daniel Frey  
**Design:** Rosa Guggenheim, Miriam Dahinden-Ganzoni  
**Photos:** Center for Security Studies (CSS), ETH Zurich  
**Printing:** Staffel Medien AG, Zurich

© ETH Zurich, May 2022