



ESPI

European Space Policy Institute

15th ESPI Autumn Conference

European space solutions for
European ambitions:
Why does Europe need
European satellites?

5-7 October 2021
Online

Supported by:



 Federal Ministry
Republic of Austria
Climate Action, Environment,
Energy, Mobility,
Innovation and Technology

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Event Programme

ABOUT THE 15TH ESPI AUTUMN CONFERENCE

The Autumn Conference is an annual ESPI event where high-level stakeholders come together to discuss outstanding issues at stake for the space sector. For this 15th edition, the conference will adopt a hybrid format. Guest-speakers will gather at ESPI premises in Vienna, Austria and the conference will be broadcasted online with live interaction with the audience.

ESPI Autumn Conference 2021 will address the topic of "European space solutions for European ambitions: Why does Europe need European satellites?" High-level officials will come together to discuss the future of European strategic autonomy in space in the context of key challenges for the future of Europe.

The Autumn Conference will span across 3 days (5-7 October 2021), with one panel each day in the afternoon. It will be organised in three sessions:

- Green Deal for Space – Green Deal in Space?
- Which European space infrastructure for the new digital age
- Which space industrial strategy to face new global challenges

The audience will be able to ask questions to the speakers through the online conference software. Participants to the Autumn Conference will include stakeholders from the public and private space sectors, as well as actors from non-space domains to bring fresh perspectives on how space can further contribute to rising challenges for Europe.

This event is sponsored by



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PROGRAMME – DAY 1 – 5 OCTOBER 2021

Opening Remarks:

Andreas Geisler, *Head of Aeronautics and Space Agency, Austrian Research Promotion Agency*

Session 1: Green Deal for Space - Green Deal in Space? European ambitions and solutions for sustainable development on Earth and in Space

This session will address impacts and opportunities of the European Green Deal for the space sector and the challenges for a Green Deal in space. Speakers will address the European Green Deal at large as well as space sustainability and Space Traffic Management.

Keynote Speakers:

Henriette Spyra, *General Director for Innovation, Technology and Space, Austrian Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation, and Technology*

Isabelle Duvaux-Béchon, *Acting Head of the Foresight, Strategy and Coordination Department in ESA DG Services and Head of the Strategy and Development Office of the Department, European Space Agency*

Panelists:

Simonetta Cheli, *Head of Strategy, Programme and Coordination Office of Earth Observation Programmes, European Space Agency*

Emmanuel Pajot, *Secretary General, EARSC*

François Raffenne, *Manager for Strategic Planning and Analysis, ArianeGroup*

Luca Rossettini, *CEO & Co-Founder, D-Orbit*

Alain Bories, *Senior Vice President, Business Development and Political Affairs, OHB*

PROGRAMME – DAY 2 – 6 OCTOBER 2021

Session 2: Which European space infrastructure for the new digital age? European ambitions and solutions for secure connectivity, digital transformation, and technological sovereignty

This session will address the challenges and opportunities for the space sector in the framework of Europe's digital transformation. Speakers will address the project for a European mega-constellation and its role in fostering digital sovereignty and enabling secure connectivity.

Keynote Speaker:

Rodrigo da Costa, *Executive Director, EUSPA*

Panelists:

David Bertolotti, *Director for International and Institutional Affairs, Eutelsat*

Dr. Nicolas Capet, *CEO and Founder, Anywaves*

Guillaume de la Brosse, *Head of Unit in charge of space innovation, start-ups and economics, DG DEFIS, European Commission*

Wolfgang Roehrig, *Head of Information Superiority Unit, Capability, Armament, and Planning Directorate, European Defence Agency*

Elodie Viau, *Director for Telecommunications, European Space Agency*

PROGRAMME – DAY 3 – 7 OCTOBER 2021

Session 3: Which space industrial strategy to face new global challenges? European ambitions and solutions for industrial autonomy and economic resilience

This session will address which new industrial and economic strategies will be required to ensure the resilience of the European space industry and enhance Europe's strategic autonomy. The speakers will address the security of the supply chain, and the main issues related to procurement and public demand.

Keynote Speaker:

Andre Hubert Roussel, *President, Eurospace*

Panelists:

Andreas Buhl, *Country Manager, RUAG Space*

Riadh Cammoun, *Vice President for Public and Regulatory Affairs, Thales*

Geraldine Naja, *Director for Industry, Procurement and Legal Services, European Space Agency*

Dr. Olga Stelmakh-Drescher, *Chief Policy and Government Relations Officer, ExoLaunch*

Tero Vauraste, *Regional Director Europe, Iceye*

Closing Remarks:

Geneviève Fioraso, *Chair, ESPI Advisory Council and Former French Minister in charge of space*

BIOGRAPHIES

Opening Remarks

Andreas Geisler, *Head of Aeronautics and Space Agency, Austrian Research Promotion Agency*



Andreas Geisler is Head of the FFG Aeronautics and Space Agency, Head of the Austrian Delegation to ESA and Chairman of the General Assembly of ESPI. He joined the Austrian Space Agency in 2003 as Team Leader Aeronautics. From 2009 to 2015 he headed the FFG Energy and Environment team and from 2005 to 2011 he acted as Deputy Division Head Thematic Programs of FFG. Mr. Geisler graduated from a technical college for communications engineering and electronics, studied economics and biology and has a PhD in ecology from the University of Vienna.

Session 1: Green Deal for Space - Green Deal in Space? European ambitions and solutions for sustainable development on Earth and in Space

Henriette Spyra, *General Director for Innovation, Technology and Space, Austrian Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation, and Technology*



Henriette Spyra has been the Director General for Innovation and Technology at the Austrian Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation, and Technology since September 2021. Prior to that, she was the Director of Science and Innovation of the Austrian Environment Agency (Umweltbundesamt) from September 2019 to September 2021. From November 2016 to September 2019, she was the Head of Mobility Transformation and Transport Decarbonisation at the Austrian Federal Ministry for Transport, Innovation and Technology. Mrs. Spyra has a master's degree in international economics and international relations from Johns Hopkins University, USA.

Isabelle Duvaux-Béchon, *Acting Head of the Foresight, Strategy and Coordination Department in ESA DG Services and Head of the Strategy and Development Office of the Department, European Space Agency*



Isabelle Duvaux-Béchon is Acting Head of the Foresight, Strategy and Coordination Department since June 2021. Previously, she was Head of the Member States Relations and Partnerships Office from 2017 to 2021. She is also co-chairing the Preparatory Group for the next Council at Ministerial level, the ESA Space & Arctic Task Force and chairing the ESA Blue Worlds Task Force formed with interested ESA Member States. She is a Commander in the citizen reserve of the French Navy and a full member of the International Academy of Astronautics.

Simonetta Cheli, *Head of Strategy, Programme and Coordination Office of Earth Observation Programmes, European Space Agency*



Simonetta Cheli became Head of Strategy, Programme and Coordination Office of ESA Earth Observation Programmes in 2017 after being Acting Head from 2016 to 2017. Among others, she is member of the International Institute of Space Law, and of Board of Directors IAI (Istituto Affari Internazionali), and she has several teaching experiences. She holds a degree in Political Sciences with focus on International Law at the University “Cesare Alfieri”, Florence, Italy and was an Undergraduate student at Yale University (CT,USA) studying Law and Economics.

Emmanuel Pajot, *Secretary General, EARSC*



With over 17 years of experience combining sciences, technologies, and economy to deliver space-based Earth Observation (EO) services, Emmanuel Pajot has experienced the challenges of developing and selling EO services. After 13 years in the Energy market, he joined EARSC in 2017 as a Project Manager and was appointed as the EARSC Secretary-General in July 2020. With his team, he supports European companies developing awareness on EO capabilities and the dialogue with stakeholders and communities of users.

François Raffenne, *Manager for Strategic Planning and Analysis, ArianeGroup*



François Raffenne became Manager for Strategic Planning and Analysis after holding the position of Marketing & Sales Manager for Missile Defence and Systems within ArianeGroup’s Defence Division (formerly Airbus Defence and Space) from 2012 to 2018. From 2010 to 2012, he was responsible for EU & NATO Defence and Security topics within Astrium’s Corporate Institutional Relations team. Before joining the industry, he held the position of Desk Officer for North America within the Policy Directorate (DAS), currently DGRIS of the French Ministry of Defence from 2005 to 2010.

Luca Rossettini, *CEO & Co-Founder, D-Orbit*



Luca Rossettini is CEO of D-Orbit which he co-founded in 2011. Since 2017, he is also President of the Association of Space Activities Companies (AIPAS). During his Ph.D. studies in Advanced Space Propulsion at Politecnico di Milano, Italy concluded in 2008, he founded IRTA srl and in 2006, he co-founded The Natural Step Italia. He also worked in the US in a research lab on nanotechnologies in the early 2000s and did an internship at NASA Ames Research Center in 2010.

Alain Bories, *Senior Vice President, Business Development and Political Affairs*



Alain Bories joined OHB SE Group as Senior Vice President, Strategy and Business Development in 2006. In 2020, his job evolved to Senior Vice President Business Development and Political Affairs. He previously worked for the French Department of Defence and for Alcatel ISR, where he was in charge of the Air Traffic management Department prior to becoming VP Sales and Marketing. In 1996 he joined Alcatel Radio Space and Defence as VP Navigation, and in 1998 he was named VP Sales and Marketing Government Affairs in Alcatel Space. In 2000 he joined Thomson-CSF (now Thales) as Corporate Vice President for Space Programmes and was also Director of the Galileo Programme within Thales.

Session 2: Which European space infrastructure for the new digital age? European ambitions and solutions for secure connectivity, digital transformation, and technological sovereignty

Rodrigo da Costa, *Executive Director, EUSPA*



In October 2020, Rodrigo da Costa became the Executive Director of the European GNSS Agency (GSA), now EUSPA. From 2017 to 2020, he was the manager of the Galileo Exploitation Programme. Prior to joining the public sector, Mr. da Costa was the Director of Future Projects and Business Development, Orbital Systems and Exploration at Airbus Group from 2012 to 2017. From 2009 to 2012, he was the Head of Launchers Business Development at Airbus Defence and Space.

David Bertolotti, *Director for International and Institutional Affairs, Eutelsat*



David Bertolotti has been Director for institutional and international affairs at Eutelsat since July 2020. Prior to joining the private sector, he led a diplomatic career for 17 years at the French Ministry for Europe and Foreign Affairs. From July 2019 to July 2020, he was Director for Strategic Affairs, Security and Disarmament at the French MFA. He was also Ambassador of France in Jordan from October 2015 to July 2019. He graduated from Science Po Paris and is a former student of the Ecole Nationale d'Administration (ENA).

Dr. Nicolas Capet, *CEO and Founder, Anywaves*



Nicolas CAPET is CEO & founder of ANYWAVES. Prior to creating its start-up, Dr. Capet was working in the Telecom Division, Antenna Department of CNES, the French Space Agency, Toulouse, France. In 2010, he obtained a Doctoral degree in electromagnetism and microwaves from Toulouse University, France. He also has a degree in electronic engineering and hyper frequencies from the Ecole National d'Aviation Civile (ENAC), Toulouse, France. Dr. Capet is also the Vice President of the Young European Enterprise Syndicate for Space (YEESS), which aims at facilitating and accelerating the New Space dynamic in Europe.

Guillaume de la Brosse, *Head of Unit in charge of space innovation, start-ups and economics, DGDEFIS, European Commission*



Guillaume de la Brosse is currently Head of Unit in charge of space innovation, start-ups and economics in the Commission (Direction-General for Defence Industry and Space). Previously, Guillaume was assistant to the Director-General. Guillaume joined the Commission in 2016, as a member of the Commission's think-tank and member of the UK Task Force, where he dealt with security, defence and space. Before joining the Commission, Guillaume worked in the European Defence Agency as an assistant to the Executive Director (2011-2016) and as a political and military adviser at the French Permanent representation to the EU (2006-2011).

Wolfgang Roehrig, *Head of Information Superiority Unit, Capability, Armament, and Planning Directorate, European Defence Agency*



Wolfgang Roehrig became the Head of Information Superiority of the European Defence Agency in 2018. Prior to that, he was a Project Officer in Cyber Defence at the EDA. Before joining European institutions, he led a career in the German Federal Armed Forces.

Elodie Viau, *Director for Telecommunications, European Space Agency*



Elodie Viau took up duty as the Director of Telecommunications and Integrated Applications (D/TIA), and Head of ECSAT, Harwell, UK, on 1 September 2020. Prior to joining ESA, Ms. Viau worked at SES for 12 years. In June 2018, she became Senior Manager of SES New Space Segment Procurement and Development and then Vice-President for SES Technology Programme Management. She holds a MSc degree in telecommunications from Télécom SudParis, France.

Session 3: Which space industrial strategy to face new global challenges? European ambitions and solutions for industrial autonomy and economic resilience

Andre Hubert Roussel, *President, Eurospace*



Since June 2020, André-Hubert Roussel has been president of Eurospace. He also has been the CEO of Ariane Group since January 2019. From January 2015 to February 2016, he was Head of Engineering, Operations and Quality for the Space Systems business line of Airbus Defence and Space. After that, he was appointed Head of Engineering of Airbus Defence and Space, then Head of Operations, member of the Executive Committee of the Division. André-Hubert has a degree in Engineering from Ecole Polytechnique and Ecole Nationale Supérieure des Télécommunications.

Andreas Buhl, *Country Manager, RUAG Space*



Since January 2019, Andreas Buhl has been working as Country Manager at RUAG Space Austria. Prior to that he worked in the "Aerospace & Railway" division at an Austrian technology company and for more than 20 years at LIEBHERR in the fields of aerospace and railroad technology in various management functions. Andreas Buhl graduated in applied physics from the University of Applied Sciences in Ravensburg-Weingarten (Baden-Württemberg) and completed an officer training with the German armed forces.

Riadh Cammoun, *Vice President for Public and Regulatory Affairs, Thales*



Riadh Cammoun has been the Vice President of Institutional Affairs and Executive Committee member at Thales Alenia Space since 2014. Before joining Thales Alenia Space, Riadh Cammoun was Deputy Director of the cabinet of Geneviève Fioraso, French Minister of Higher Education and Research. Riadh Cammoun is the former Director of the LIST Institute of the French Alternative Energies and Atomic Energy Commission in France. He has a degree in Engineering from the Ecole Spéciale des Travaux Publics and a master's

Geraldine Naja, *Director for Industry, Procurement and Legal Services, European Space Agency*



Geraldine is currently acting Director for Commercialisation, Industry and Procurement at the European Space Agency (ESA). She joined ESA in 1987 as payload operations engineer on the International Space Station programme. She has then moved to various strategic, programmatic and managerial functions across the Agency. Geraldine is a graduate engineer with a specialisation in rocket propulsion, and also holds a master's in political studies and international relations. She has taught fluid mechanics and continues to have teaching assignments about space policy in many universities and institutes.

Dr. Olga Stelmakh-Drescher, *Chief Policy and Government Relations Officer, ExoLaunch*



Dr. Olga Stelmakh-Drescher is a NewSpace advocate, international space lawyer and space environmentalist - shaper of the Space Sustainability Goals and social responsibility for space activities concepts. She holds the position of a Chief Policy and Government Relations Officer at EXOLAUNCH, a global leader in rideshare launch services and deployment technologies for small satellites. Dr. Olga has an extensive background in space matters, having worked in the space sector for more than 15 years, including seven years of governmental and parliamentary engagement.

Tero Vauraste, *Regional Director Europe, Iceye*



MSc, Lt Cdr (Ret) Tero Vauraste has been a Senior Advisor and Regional Director Europe of ICEYE since October 2020. He is responsible of the European clientele including co-operation with the European Space Agency and Business Finland. Prior his permanent position at ICEYE, Mr. Vauraste served as a Naval and Coast Guard officer and in various CEO and other Senior Executive Positions within security, aviation, automotive, maritime, rail, logistics and Arctic Industries and he has served as a long-term Chair/Vice Chair of the Arctic Economic Council.

Closing Remarks:

Geneviève Fioraso, *Chair, ESPI Advisory Council and Former French Minister in charge of space*



Mrs. Fioraso is the Chair of the ESPI Advisory Council. She is the former French Minister for Higher education, Research and Space. From 2012 to 2014, she was the French Minister for Higher Education and Research, including space. From 2014 to 2015, she was the French Secretary of State for Higher Education and Research, including space. Then, she returned to the French Parliament as a Member of the defence commission and the parliamentary space group. Prior to her political commitments, she was working in the private sector as the CEO of Minatec enterprises from 2003 to 2007.

ABOUT ESPI



Policy &
Strategy



Economy &
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Security &
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International &
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ESPI is the European think-tank for space. The Institute is a not-for-profit organization based in Vienna, World capital of space diplomacy, providing decision-makers with an informed view on mid to long-term issues relevant to Europe's space activities since 2003.

ESPI is supervised by a General Assembly of member organizations and supported by an Advisory Council of independent high-level experts.

ESPI fulfils its objectives through various multi-disciplinary research activities leading to the publication of books, reports, papers, articles, executive briefs, proceedings and position papers, and to the organisation of conferences and events including the annual ESPI Autumn Conference.

Who we are		What we do	
Independent think-tank specialised in space policy			Research and analysis on major space policy issues
Multinational team with interdisciplinary expertise			Monitoring of global space trends and policy developments
Part of a network of European and international partners			Organization of thematic conferences and workshops

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