



STOA-STS *forum* Conference

From a European to a Global Green Deal

Participants' booklet



STOA – STS *forum* High-Level Conference
'From a European to
a Global Green Deal'

Thursday, 12 May 2022, 14:00 - 16:45

Room SPAAK 1A2 & online via WebEx Events

Participants' booklet

Available at <https://www.europarl.europa.eu/stoa/en/events/details/from-a-european-to-a-global-green-deal/20220427WKS04141>

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1. Programme

14:00 – 14:30	Introductory remarks Christian EHLER , Chair, STOA Panel, European Parliament Hiroshi KOMIYAMA , Chairman, STS <i>forum</i>
14:30 – 15:30	Panel 1: Green, secure and affordable energy for Europe Chair: Ivars IJABS , Second Vice-Chair Panel, STOA, European Parliament Paula ABREU MARQUES , Deputy Director, DG Energy, European Commission Matthias KLEINER , President, Leibniz Association, Germany Maria LEPTIN , President, European Research Council Paul RÜBIG , President, SME Global Markus BEYRER , Director-General, BusinessEurope
15:30 – 16:30	Panel 2: The path to a Global Green Deal Chair: Ismail SERAGELDIN , Founding Director Emeritus, The Library of Alexandria, Egypt Kazuyuki IMAZATO , Director General, Representative Office in Europe, New Energy and Industrial Technology Development Organisation (NEDO), Japan Masae SUGAWARA , Director, Paris Office, Japan Science and Technology Agency (JST), Japan Kazuki SAITO , Director, RIKEN Center for Sustainable Resource Science (CSRS) Japan Lily EURWILAICHITR , Vice President, International Collaboration, National Science and Technology Development Agency (NSTDA), Thailand Takashi USUDA , Executive Officer, National Institute of Advanced Industrial Science and Technology (AIST), Japan Frans HOORELBEKE , Honorable Senior Advisor, DAIKIN Europe
16:30 – 16:45	Closing remarks Eva KAILI , Vice-President, European Parliament Naritaka NAKAISHI , Director General, JETRO London, Japan

The event will be held in English only, without interpretation.

2. Introduction

From a European to a Global Green Deal.

The European Green Deal is a programme outlined in the political guidelines of the European Commission for the period 2019-2024. It aims to make Europe the first climate-neutral continent by 2050, while boosting the competitiveness of European industry and ensuring a just transition for the regions and workers affected. Preserving Europe's natural environment and biodiversity, a 'farm to fork' strategy for sustainable food, and a new circular economy action plan are other key elements.

The decarbonisation of the EU energy system is at the heart of the European Green Deal. **The production and use of energy account for more than 75% of the EU's greenhouse gas emissions. The clean energy transition is therefore critical to reach our 2030 climate objectives and the EU's long-term strategy of achieving carbon neutrality by 2050.** The European Green Deal focuses on ensuring a secure and affordable EU energy supply, developing a fully integrated, interconnected and digitalised EU energy market, prioritising energy efficiency, and developing a power sector based largely on renewable sources.

The European Parliament is in the process of reviewing a set of proposals to make the EU's climate, energy, transport and policies fit for reducing net greenhouse gas emissions by at least 55% by 2030, compared to 1990 levels. The current geopolitical crisis will likely accelerate the clean energy transition, in Europe and in the world.

This high-level conference jointly organised by the European Parliament's Panel for the Future of Science and Technology (STOA) Panel and the Japan-based Science and Technology in Society forum (STS *forum*), will advance an open exchange of views on science and technology cooperation between the EU, Japan and the rest of the world, in leveraging the European Green Deal to achieve a Global Green Deal.

The first panel will focus on 'Green, secure and affordable energy for Europe', and the aim is to promote a constructive debate on the energy dimension of the European Green Deal. The views from the European Commission, the research and business communities on the implementation challenges will be in display. How can the EU accelerate the implementation of energy and climate policies, the link with energy security and reduction of energy imports, and the role of science and technology in ensuring a fair and inclusive clean energy transition, are among the questions under discussion.

A second panel will focus on 'The path to a Global Green Deal', and the aim is to explore how international cooperation on science and technology can leverage the European Green Deal into the Global level. How can like-minded partners from around the world can work together in a collective effort towards achieving a more sustainable world? This panel will promote the dialogue between industry, society and policy-makers from Japan and elsewhere, and will aim to contribute to a shared vision of the challenges, how further science and technology breakthroughs and how different approaches from different regions of the world can be brought together for common knowledge and wisdom.

3. Introductory remarks

Christian EHLER, STOA Panel Chair



Dr Christian Ehler has been a Member of the European Parliament for Brandenburg since 2004 and belongs to the Group of the European People's Party (EPP/CDU). He has been a Member of the Committee on Industry, Research and Energy (ITRE) for over ten years and has been its coordinator for the EPP since the beginning of this legislative period. As rapporteur for Horizon 2020 (2014-2020) and Horizon Europe (2021-2027) Dr Christian Ehler is considered one of the leading figures in the design and implementation of the European Framework Programmes for Research and Innovation. He is the initiator of the ITRE working group on the implementation of the Framework Programmes, which ensures close parliamentary scrutiny of Europe's research and innovation funding. Furthermore, Dr Christian Ehler is Chair of

the European Parliament's STOA Panel.

One of Dr. Ehlers main priorities is to ensure Europe's excellence in science, technology and innovation in all sectors, including health, digital and climate. As Rapporteur for Horizon Europe, he has put forward a number of instruments to reduce the administrative burden for researchers and SMEs and for boosting public-private partnerships contributing to achieving EU climate and digital goals. In addition to his engagement in the field of research and innovation, in the European Parliament Dr Christian Ehler is also Member of the US Delegation and substitute Member of the Committee on Culture and Education, the Delegation for relations with Israel and the Delegation to the Parliamentary Assembly of the Union for the Mediterranean.

Hiroshi KOMIYAMA, Chairman, STS *forum*



Hiroshi Komiyama, a prominent academic, scientist and engineer and leading authority in global sustainability, became Chairman of the Institute of Mitsubishi Research Institute, Inc. in April 2009, after completing four-year presidency as the 28th President at the University of Tokyo. He obtained a PhD in chemical engineering at the University of Tokyo. In 2010, he founded the 'Platinum Society Network' to achieve a sustainable society that solves environmental, aging, educational and economic issues. In 2017, he received the Sheikh Mohammed Bin Rashid Al Maktoum Knowledge Award (Knowledge Award) for his plan for solving social issues to create a better future for humanity, and acting as a driving force behind the effort to realize this vision, which he calls "Platinum Society". He was elected as Chairman of the STS *forum* in March 2021.

4. Panel 1: Green, secure and affordable energy for Europe

4.1. Chair: Ivars IJABS, STOA Panel Second Vice-Chair

Dr Ivars Ijabs is a Latvian political scientist and politician. He is a lecturer and professor at the University of Latvia and holds a PhD in political science. In May 2019, representing political alliance Development/For!, he was elected as a Member of the European Parliament.

Dr Ijabs is a full member of the Committee on Industry, Research and Energy and the Delegation for relations with the United States. He is a substitute member of the Committee on the Internal Market and Consumer Protection, the Committee on Economic and Monetary Affairs, the Delegation for relations with the countries of the Andean Community, the Delegation for relations with the countries of Southeast Asia and the Association of Southeast Asian Nations (ASEAN), and the Delegation to the Euro-Latin American Parliamentary Assembly.



In addition to his committee assignments, Dr Ijabs is part of the parliament's delegations for relations with the countries of the Andean Community, with the countries of Southeast Asia and the Association of Southeast Asian Nations (ASEAN) and to the Euro-Latin American Parliamentary Assembly. He is a member of the Panel for the Future of Science and Technology of the European Parliament (formally Science and Technology Options Assessment), the European Parliament Intergroup on Artificial Intelligence and the European Parliament Intergroup on LGBT Rights.

4.2. Paula ABREU MARQUES, Deputy Director, DG Energy, European Commission

Ms Abreu Marques is since January 2021 deputy director "DG ENER.A - Energy policy: Strategy and Coordination" and head of **unit in the European Commission's department of Energy, where she manages the interface with the other EU institutions, including the rotating Presidencies and outreach to Member States.** She oversees the overall energy policy coherence, intervention logic and consistency in the context of the European Green Deal, the European Semester and the EU green recovery.

Previously, Ms Abreu Marques had been heading for several years the unit responsible for the definition and implementation of the **EU renewables' policy, being in charge of the preparation, negotiation and implementation of the Renewables' Directive (REDII), as well as the 2020 Energy System Integration and Hydrogen Strategies.** Before then she was heading the **"International Energy Relations and Enlargement" unit, where she defined and steered the general approach in the area of international energy relations.** She graduated in economics at the Nova School of Business and Economics in Lisbon and has a master in European economics by the College of Europe in Bruges, Belgium.



4.3. Matthias KLEINER, President, Leibniz Association, Germany



Matthias KLEINER completed his habilitation in the field of forming technology in 1991. In 1994, he joined the Brandenburg Technical University of Cottbus as Professor of Forming Technology in the Chair for Design and Manufacturing. In 1997 he was awarded the Gottfried Wilhelm Leibniz Prize of the German Research Foundation (DFG). In 1998 Mr KLEINER became Chair of Forming Technology at TU Dortmund University. From 2004 to 2006 he served as managing director of the newly established Institute of Forming Technology and Lightweight Construction (IUL). He has played an instrumental role in a number of international and interdisciplinary research projects and research networks, and is a member of numerous international committees and academies. In 2011 he co-chaired the German 'Ethics Commission for a Safe Energy Supply'. From 2007 to 2012 he served as President of DFG.

Since July 2014 Mr KLEINER is President of the Leibniz Association. He is a member of the Council and the Board of STS *forum*.

4.4. Maria LEPTIN, President, European Research Council



Professor Maria Leptin is the President of the European Research Council. Prior to that, Professor Leptin served as Director of EMBO from 2010-2021. She also established a research group in Heidelberg at the European Molecular Biology Laboratory (EMBL). The group studies the mechanics of shape determination during development.

After completing her studies in mathematics and biology at the University of Bonn and the University of Heidelberg, Professor Leptin worked for her PhD at the Basel Institute for Immunology, Switzerland (1979-1983) studying B-lymphocyte activation under the supervision of Fritz Melchers.

In 1984 she moved, as a post-doctoral fellow (1984-1987) to the **Laboratory of Molecular Biology (LMB), Cambridge, UK. As visiting scientists in Pat O'Farrell's lab** at the University of California, San Francisco (UCSF) she began her work on gastrulation which became the core of her research interests at the Max Planck Institute for Developmental Biology in Tübingen, Germany. In 1994, Maria Leptin became Professor at the Institute of Genetics, University of Cologne, Germany, where she still leads a research group.

Professor Leptin is an elected member of EMBO, the Academia Europaea and the German National Academy of Sciences (Leopoldina), and an Honorary Fellow of the Academy of Medical Sciences.

4.5. Paul RÜBIG, President, SME Global

Dr. Paul Ruebig, born in Wels (Upper Austria), was member of the European Parliament from 1996 to 2019 and belonged to the European People's Party (EPP). He is married and has two children.

In the European Parliament Paul Ruebig was full member of the Committee on Industry, Research and Energy and the Committee on Budgets. In addition, he was substitute member of the Committee on Development and in the Committee on International Trade. He was Chairman of STOA (Panel for the Future of Science and Technology), an official body of the European Parliament that is supported by external experts such as universities, scientists or research institutes.



Paul Ruebig is very active in the field of the small-scale business promotion. He is president of SME Global, a working group of the International Democrat Union (IDU), whose objective it is to support small and medium-sized enterprises (SME) and to improve their business environment.

In 2019 Paul Ruebig was appointed to the Advisory Board of Rübig Holding GmbH. He is also member of the Governing Board of the EIT (European Institute of Innovation & Technology) and member of the European Economic and Social Committee.

4.6. Markus BEYRER, Director-General, BusinessEurope

Markus J. Beyrer has been Director General of BUSINESSEUROPE since 2013. Prior to this he held the positions of CEO of the Austrian Industry Holding ÖIAG, Director General of the Federation of Austrian Industries (IV) and Director for Economic Affairs of the Austrian Federal Economic Chamber. Before this Mr Beyrer served as Chief Economic Advisor to the Federal Chancellor of the Republic of Austria, Dr. Wolfgang Schüssel.

Mr Beyrer read Law and Commercial Sciences in Vienna, graduating in law at the University of Vienna. Later he completed postgraduate studies in European Law at the Danube University in Krems (Austria) and the Stanford Executive Program at the Graduate School of Business at Stanford University.

Mr Beyrer is married and has two children.



5. Panel 2: The path to a Global Green Deal

5.1. Chair: Ismail SERAGELDIN, Founding Director Emeritus, The Library of Alexandria, Egypt



Ismail Serageldin is the Emeritus Librarian of Alexandria, and was the Founding Director of the Bibliotheca Alexandrina, the New Library of Alexandria in Egypt (2001-2017). Before that he was the Vice-President of the World Bank (1993-2000). He has received many awards including the Order of the Rising Sun of Japan. He is a knight **of the French Legion d'Honneur and a Commander of Arts and Letters** of the French Republic. He has lectured widely, published more than 100 books and 500 articles. He graduated in engineering at the University in Cairo, finished his masters and PhD studies at Harvard University and has received over 39 honorary doctorates from all over the world. Dr. Serageldin is a member of the Council from the inception of the STS *forum*, and also currently serves on its Board.

5.2. Kazuyuki IMAZATO, Director General, Representative Office in Europe, New Energy and Industrial Technology Development Organisation (NEDO), Japan



Kazuyuki IMAZATO is Director General of Representative Office in Europe of New Energy and Industrial Technology Development **Organization (NEDO), since July 2021. He's currently responsible for** strengthening relationship between Japan and Europe in the energy, industrial technology and environmental areas, and promoting related activities.

Before entering NEDO, as an official of Ministry of Economy, Trade and Industry of Japanese government, he has long and diversified career in policy-making of science and technology and innovation, of manufacturing industry and of energy industry since 2003.

His academic background is molecular biology and public policy management. He has a bachelor and a master of science from Tokyo University (Japan) and a master in public policy management from Carnegie Mellon University (USA).

5.3. Masae SUGAWARA, Director, Paris Office, Japan Science and Technology Agency (JST), Japan

Masae Sugawara is Director of the Paris Office of the Japan Science and Technology Agency (JST), responsible for a wide range of countries within Europe and Africa. She joined JST in August 2009 and gained experience in the Department of Industry-Academic Collaboration, Department of International Affairs, and also spent two years at the Division of Medical Device Research at the Japan Agency for Medical Research and Development (AMED), before taking her current position in June 2017.

Masae holds a Ph. D. in Biophysics from Paul Sabatier University, France, was a CNRS postdoc at the University of Strasbourg, France, and a CRUK research fellow at the University of Birmingham, UK.



5.4. Kazuki SAITO, Director, RIKEN Center for Sustainable Resource Science (CSRS) Japan

Professor Kazuki Saito obtained his Ph.D. (bioorganic chemistry and biochemistry as the major) from the University of Tokyo in 1982. After staying at Keio University in Japan and Ghent University in **Belgium (Marc Van Montagu's laboratory)**, he has been appointed full professor from 1995 at the Graduate School of Pharmaceutical Sciences, Chiba University, until his retirement in March 2020. He is currently Professor Emeritus of Chiba University.

Since 2005, he has additionally served as a group director at the RIKEN Center for Sustainable Resource Science (CSRS) (formerly, RIKEN Plant Science Center) to direct metabolomics research, and from April 2020 he holds the position of the Center Director. He is **engaged to lead the CSRS's research to contribute to a sustainable society.**



He was awarded The Medal with Purple Ribbon by the Japanese Government; The Prize for Science and Technology by the Minister of Education, Culture, Science and Technology, Japan; JSPP Award by the Japanese Society of Plant Physiologists; The Pharmaceutical Society of Japan Award; and **Lifetime Honorary Fellowship of The Metabolomics Society. He has been selected as one of 'Highly Cited Researchers' in the 'Plant & Animal Science' field for 2014-2021.**

5.5. Lily EURWILAICHITR, Vice President, International Collaboration, National Science and Technology Development Agency (NSTDA), Thailand



Dr. Lily Eurwilaichitr is Vice President (for International Collaboration) of the National Science and Technology Development Agency (NSTDA). Currently, she serves as a member of the World Federal on Culture Collection (WFCC) Executive Board, an executive board member of Asian Network on Research Resource Center (ANRRC), and the Secretariat of the ASEAN BCG network (Bio-Circular and Green Economy). Dr. Eurwilaichitr received her Ph.D. from the Research School of Bioscience, University of Kent at Canterbury, on molecular genetics in yeast. She also led a team of researchers to establish and optimize technology for gene discovery from unculturable microorganisms from environments. She has published over 80 international scientific papers. She also received several awards namely, **L'Oreal Fellowship For Women In Science, Taguchi**

award from Foundation for the Promotion of Biotechnology in Thailand and The Innovation awards from The National Research Council of Thailand (NRCT).

5.6. Takashi USUDA, Executive Officer, National Institute of Advanced Industrial Science and Technology (AIST), Japan



Takashi Usuda is the Director General of the National Metrology Institute of Japan (NMIJ), and the Executive Officer of the National Institute of Advanced Industrial Science and Technology (AIST). In this position, he is responsible for all scientific programs, calibrations, secure dissemination of standards and its international equivalency of the NMIJ. He is also responsible for international relation affairs of the AIST. He has published more than 150 papers in the field of metrology. He also demonstrated management ability both in national and international forums. He served as the APMP Executive Secretary from 2002 to 2005. He was invited as a guest researcher position in PTB (1998-1999), in CNRS (2000-2001), and in BIPM (2010-2011). He has been a CIPM member since July 2012. He has taken role as CCPR Chair (2012-2015), CCAUV Chair (2015- 2019) and

CIPM Secretary (2019-present).

5.7. Frans HOORELLBEKE, Honorable Senior Advisor, DAIKIN Europe

Frans Hoorelbeke was born in 1946 in Poperinge, Belgium. After finishing his MBA at the Catholic University of Leuven, Belgium, he entered as an accountant in Daikin Europe N.V. Ostend, Belgium, in which company he worked his whole career, taking several positions, of which 5 years as CEO of Julien & Mège Industries and Megatherm SA in France, ending as Chairman, member of the Board. He was also associated Board member and Full Board member of Daikin Industries Ltd in the years 2000 till 2016.

Being Board member of several industrial associations such as Agoria Belgium, Applia, EPEE, etc. he has a broad industrial experience, especially also in environmental and energy related issues. For his recognized contribution to the business society he was appointed by HRH The King of Belgium to Commander in the order of King Leopold, being one of the highest acknowledgements a businessman can obtain.



6. About the STS *forum*

Science and Technology in Society *forum*: Lights and Shadows of Science and Technology

The explosive progress of science and technology up to the 20th century brought prosperity and enriched the quality of life for much of mankind. However, the advancement of science and technology raises important ethical, safety and environmental issues: possible negative applications **are threatening mankind's own future**. Since progress in science and technology is expected to accelerate and will be necessary for the sustainable development in the 21st century, wisdom must be synthesized to keep it under proper control.

In that sense, the most pressing problems we face today include harmonising economic development with climate change; preventing ill-meaning application of science and technology, such as AI; controlling infectious diseases; and assessing the potential health benefits and ethical factors relating to gene-related technology. Joint global efforts to address these problems are needed now more than ever. This is really what symbolises the 'lights and shadows of science and technology'. Opportunities need to be taken, but the risks must also be controlled. Health, energy and many other aspects of human welfare are dependent on continued progress in science and technology.

At the same time, the benefits of science and technology are not reaching a major part of the world's people. The barriers to seizing the opportunities for using science and technology to solve the problems of humankind need to be discussed.

Because the problems we face today are becoming increasingly complex against the backdrop of globalisation and international competition, they are beyond the control of any single country. These issues are also beyond the control of the scientific community alone, because many of the problems will find solutions through changes in social systems, international collaboration, global networks, and the building of common rules.

The Science and Technology in Society (STS) *forum*, established as a not-for-profit organization in Japan, has been organizing a top annual gathering in Kyoto, Japan since 2004 (the past 2020 and 2021 were virtual). It aims to provide a new platform for open discussions on an informal basis, and to build a human network based on trust, that would, in time, resolve the new types of problems stemming from the application of science and technology.

Forum members are expected to participate, not as representatives of their country or organisation, but as individuals expressing their own views. This forum is not necessarily a platform for specialists to unilaterally convey their knowledge, but rather an opportunity for real dialogue among peers. Participants should also undertake cross-border activities towards the establishment of shared values and commitment for the future. The STS *forum* has been also organizing regional high-level conferences in other parts of the world, including ASEAN, India, the United States, Latin America and the Carribeans, among others.

The STS *forum* has been founded and chaired by the late former Japanese Minister Koji Omi, and currently chaired by Hiroshi KOMIYAMA.

More information is available on www.stsforum.org

7. About STOA

7.1. Mission

The Panel for the Future of Science and Technology (STOA) forms an integral part of the structure of the European Parliament. Launched in 1987, STOA is tasked with identifying and independently assessing the impact of new and emerging science and technologies.

The goal of its work is to assist, with independent information, the Members of the European Parliament (MEPs) in developing options for long-term, strategic policy-making.

The STOA Panel

The STOA Panel consists of 27 MEPs nominated from eleven permanent parliamentary committees: AGRI (Agriculture & Rural Development), CULT (Culture & Education), EMPL (Employment & Social Affairs), ENVI (Environment, Public Health & Food Safety), IMCO (Internal Market & Consumer Protection), INTA (International Trade), ITRE (Industry, Research & Energy), JURI (Legal Affairs), LIBE (Civil Liberties, Justice and Home Affairs), REGI (Regional Development) and TRAN (Transport & Tourism).

Eva KAILI is the European Parliament Vice-President responsible for STOA for the second half of the 9th parliamentary term. The STOA Chair for the second half of the 9th parliamentary term is Christian EHLER with Ivo HRISTOV and Ivars IJABS elected as 1st and 2nd Vice-Chairs respectively.

The STOA approach

STOA fulfils its mission primarily by carrying out science-based projects. Whilst undertaking these projects, STOA assesses the widest possible range of options to support evidence-based policy decisions. A typical project investigates the impacts of both existing and emerging technology options and presents these in the form of studies and options briefs. These are publicly available for download via the STOA website: www.europarl.europa.eu/stoa/.

Some of STOA's projects explore the long-term impacts of future techno-scientific trends, with the aim to support MEPs in anticipating the consequences of developments in science. Alongside its production of 'hard information', STOA communicates its findings to the European Parliament by organising public events throughout the year. STOA also runs the MEP-Scientist Pairing Scheme aimed at promoting mutual understanding and facilitating the establishment of lasting links between the scientific and policy-making communities.

Focus areas

STOA activities and products are varied and are designed to cover as wide a range of scientific and technological topics as possible, such as artificial intelligence, blockchain, 5G, genetic engineering, antibiotics resistance, internet addiction, face recognition, pollution, sustainable agriculture, COVID-19 and health in general.

These activities are clustered within three main thematic areas: Artificial intelligence & other disruptive technologies, The new **Green Deal**, and **Quality of life**. In addition, STOA's work addresses four cross-cutting policy areas: Science, technology and innovation; Societal and ethical challenges; Economic challenges; and Legal challenges.

ESMH

The [European Science-Media Hub](#) (ESMH), operating under the political responsibility of the STOA Panel, is a platform to promote networking, training and knowledge sharing between the European Parliament, the scientific community and the media. The ESMH creates a network among policy-makers, scientists and media involving science, academia, educational and research entities, and professional associations of journalists and scientists.

For journalists and media representatives, the ESMH organises training sessions and workshops on current technological developments, both as subjects of their reporting and as means of facilitating their work. Via media monitoring and media intelligence tools, the ESMH follows the most popular topics in the field of science and technology on different platforms including journals, newspapers and social media.















The ESMH makes information available to journalists, other media and citizens about new scientific developments, as well as about scientific topics that attract media attention, and promotes information based on evidence.

Centre for AI (C4AI)

To intensify its activities in the field of artificial intelligence (AI), STOA has launched its [Centre for AI \(C4AI\)](#). C4AI was established by decision of the STOA Panel on 19 December 2019, and was announced at the high-level STOA workshop 'The Future of Artificial Intelligence for Europe', which took place on 29 January 2020 at the European Parliament in Brussels.

Within the context of STOA and based on decisions of the STOA Panel, C4AI produces studies, organises public events and acts as a platform for dialogue and information exchange on AI-relevant topics within the Parliament and beyond. In particular, it provides expertise on the possibilities and limitations of AI and its implications from an ethical, legal, economic and societal perspective. Through these activities, C4AI aims to contribute to the quality and coherence of discussion and policy-making as the EU seeks to coordinate its efforts and influence global AI standard-setting.

7.2. STOA Panel members

	Panel Member	Committee		Panel Member	Committee
	Eva KAILI (S&D, EL) EP Vice-President STOA Bureau member			Rosa D'AMATO (Greens/EFA, IT)	REGI
	Christian EHLER (EPP, DE) STOA Chair STOA Bureau member	ITRE		Jakop DALUNDE (Greens/EFA, SV)	TRAN
	Ivo HRISTOV (S&D, BG) 1st STOA Vice- Chair - STOA Bureau member	ITRE		Pietro FIOCCHI (ECR, IT)	ENVI
	Ivars IJABS (Renew Europe, LV) 2nd STOA Vice- Chair - STOA Bureau member	ITRE		Emmanouil FRAGKOS (ECR, EL)	AGRI
	Atidzhe ALIEVA- VELI (Renew Europe, BG)	EMPL		Lina GALVEZ MUÑOZ (S&D, ES)	EMPL
	Adam BIELAN (ECR, PL)	IMCO		Maria GRAPINI (S&D, RO)	TRAN
	David CORMAND (Greens/EFA, FR)	IMCO		Martin HLAVÁČEK (Renew Europe, CZ)	AGRI

	Panel Member	Committee		Panel Member	Committee
	Marina KALJURAND (S&D, ET)	LIBE		Susana SOLÍS PÉREZ (Renew Europe, ES)	ENVI
	Radan KANEV (EPP, BG)	EMPL		Barbara THALER (EPP, AT)	TRAN
	Maria Manuel LEITÃO MARQUES (S&D, PT)	IMCO		Patrizia TOIA (S&D, IT)	ITRE
	Victor NEGRESCU (S&D, RO)	CULT		Marion WALSMANN (EPP, DE)	JURI
	Michèle RIVASI (Greens/EFA, FR)	ENVI		Pernille WEISS (EPP, DA)	ITRE
	Bronis ROPÉ (Greens/EFA, LT)	AGRI		Juan Ignacio ZOIDO ALVAREZ	INTA
	Jordi SOLÉ (Greens/EFA, ES)	ITRE	AGRI: Agriculture and Rural Development CULT: Culture and Education EMPL: Employment and Social Affairs ENVI: Environment, Public Health and Food Safety IMCO: Internal Market and Consumer Protection INTA: International Trade ITRE: Industry, Research and Energy JURI: Legal Affairs LIBE: Civil Liberties, Justice and Home Affairs REGI: Regional Development TRAN: Transport and Tourism		

7.3. STOA administration

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Wolfgang HILLER

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Luisa ANTUNES
Antonio VALE

Scientific Foresight Service
Philip BOUCHER
Vasco GUEDES FERREIRA
Nera KULJANIĆ

European Science-Media Hub (ESMH)
Svetla TANOVA, Coordinator
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