



European Science-Media Hub
Summer School 2022

JOURNALISM AND CLIMATE CHANGE: HOW TO TELL COMPLEX STORIES?

Participants' booklet

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European Parliament, Brussels

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1. Introduction

One of the main objectives of the [European Science-Media Hub \(ESMH\)](#) is to organise seminars and training courses for media representatives on current scientific and technological developments.

This year's **ESMH Summer School, 'Journalism and climate change: how to tell complex stories?'**, offers journalists a unique opportunity to gain insight in what the EU is doing in the field of climate change, meet prominent science journalists covering environmental topics and learn from their experience. During this four-day training journalists can join various discussion panels, exchange with other journalists from all over Europe, actively contribute to the different thematic sessions. The participants of the Summer School will also be able to join the ['Festival of the New European Bauhaus'](#) (9-12 June), organised by the European Commission.

The ESMH summer school is an annual event - the first of this kind in the European Parliament - organised by the ESMH with the aim of offering a learning opportunity to young media makers from EU Member States.

The [first edition](#) the ESMH summer school for young journalists - labelled 'European Youth Science-Media Days (EYSMD)' - took place from 4 to 7 June 2019 in Strasbourg. The three-day science event for young media-makers was organised by the European Science-Media Hub with the cooperation of the European Youth Press network (EYP) and it provided an overview of existing interlinks between Artificial Intelligence (AI) and journalism. Unfortunately, the pandemic prevented the ESMH from organising the second edition (already scheduled) in May 2020.

But in **October 2021**, the European Science-Media Hub participated in the EYE2021 youth conference in Strasbourg and it hosted **the [workshop](#) 'Telling stories on climate change: has the corona crisis changed the debate', in physical presence**, in cooperation with the European Parliament's Directorate General for Communication in the context of the two-day European Generation Media Lab event.

Beyond the Summer School, the ESMH also organises other thematic trainings for journalists, notably a series entitled **'Science-Media Days'**. These workshops aim at promoting the role of the ESMH in different EU countries while encountering the national communities of science journalists and establishing networking opportunities with local media makers.

In May 2022, the seminar '[Promoting trust in science to counter disinformation](#)' took place in the Liaison Office of the European Parliament (EPLO) in Spain, Madrid, bringing together more than 50 Spanish journalists to debate about the role of trust in preventing and tackling misinformation in science. The event was held in Spanish and you can rewatch it on the [ESMH's website](#).

Previously, two other seminars focusing on mis- and disinformation were held online:

- ['Science & misinformation: the first pandemic in the digital age'](#), organised in cooperation with the EPLO Lisbon, held online on 22 March, in Portuguese;
- ['Coronavirus: is misinformation more contagious than the virus?'](#), organised with the EPLO Berlin, in English.

The ESMH plans to organise other 'Science-Media Days' in EU Member States in the near future.

In the earlier years of the ESMH, **other trainings for journalists** were organised, notably the workshop '[Tackling dis/misinformation in science](#)', in February 2019 at the European Parliament in Brussels, and the seminar for journalists '[Fighting disinformation in technology and digital age](#)', organised in cooperation with the European Parliament's Directorate General for Communication, in November 2018.

2. Speakers' biographies

2.1. Session 1: EU Policy and knowledge base

Tim McPHIE



Tim McPhie has been the European Commission's Spokesperson for Climate Action and Energy since 1 December 2019, when the von der Leyen Commission took office. During the 5-year mandate of the Juncker Commission he worked in the Spokesperson's Service as a press officer and multimedia editor, working on issues ranging from the rule of law and migration, to better regulation, transparency, sustainability and the circular economy. Before joining the Commission, Tim worked for almost ten years in the private sector in Brussels at different consulting firms. Tim has also worked on two pan-European election campaigns, in 2014 and 2019, supporting the communication activities of two 'spitzenkandidaten'.

Lasse Michael BOEHM



Lasse Michael Boehm is responsible for economic policies, including energy and environmental policies, within the European Parliament's in-house think tank EPRS (European Parliamentary Research Services) based in Brussels. His team of 20 analysts and researchers provide research and studies for Members of the European Parliament and the relevant parliamentary committees. Having started working in the European Parliament in 2004, Lasse has extensive experience working on energy security as well as the debate on deepening the Economic and Monetary Union. Lasse holds an MPhil degree from St Antony's College, Oxford University, and a BA in Political Science from the University of Durham in the United Kingdom.

Christian WEIDLICH



Christian Weidlich has been a Senior Officer in the International Relations Department of the German National Academy of Sciences Leopoldina since 2015. He is responsible for coordinating the Leopoldina's G7 and G20 policy advice as well as the Academy's bilateral relations with Academies and scientific organisations in the Arab states and Korea. Before joining the Leopoldina, he was a Research Associate at the Peace Research Institute Frankfurt from 2011-2015. He holds degrees in political science, German language and literature, and international relations from the universities of Münster and Frankfurt am Main, Germany.

2.2. Session 2: EU and International projects on climate change

Anne-Sophie GARRIGOU



Anne-Sophie Garrigou is a journalist, a feminist and an environmentalist with a passion for women's rights and for raising awareness for climate action. In Berlin, she created *The Beam Magazine*, a publication covering the climate crisis and climate solutions from a feminist, anti-racist angle. The Beam was a space for women and minorities to publish their research, present their innovations and express their opinions and experiences of the climate emergency. Today, Anne-Sophie is leading media relations activities at EIT Climate-KIC, a knowledge and innovation funded by the European Institute of Innovation and Technology (EIT).

Debbie ROSEN



Dr Debbie Rosen is the Science and Policy Manager for the EU-funded Horizon 2020 [CONSTRRAIN project](#), led by the University of Leeds, UK. Dr Rosen manages the overall coordination of the project's scientific output, and supports the Principal Investigator and wider CONSTRRAIN consortium in identifying and delivering opportunities to promote CONSTRRAIN's work with external partners and stakeholders.

Mauro BUONOCORE



Mauro Buonocore is Head of the Communication and Media Office at the [Euro-Mediterranean Center on Climate Change](#) (CMCC) where he coordinates the communication activities, including the development of online and offline communication strategies, the management of media contact, the dissemination activities and the editorial activities of the magazine *Foresight* - the CMCC observatory on climate policies and futures. Mauro is also the Director of the IPSO Division – Innovative Platforms for Science Outreach that develops activities to respond to the urgent need for strategic perspectives, critical thinking, and innovative outreach tools to inform public opinion about the latest scientific results and their impacts on societies. Among CMCC's recent activities, Mauro contributed to Change Game (interactive, multiplayer, science-based video game), G20 Climate Risk Atlas, Analisi del rischio. I cambiamenti climatici in Italia, Analisi del Rischio. I cambiamenti climatici in sei città italiane. He is a lecturer in "Climate Sciences and Communication" at the PhD Programme "Frontiers. Future Earth, Climate Change and Social Challenges" at the University of Bologna.

2.3. Session 3: How could journalists get better at covering climate change?

Luca DE BIASE



Luca De Biase is chief editor at *Il Sole24Ore*, the main financial daily newspaper in Italy where he leads the innovation section which he founded. Luca teaches Knowledge Management at the university of Pisa and Journalism at Sissa in Trieste. Luca is member of the Mission Assembly for Climate-Neutral and Smart Cities at the European Commission and he chairs the commission organized by the Italian Government to study the phenomenon of hate online. Luca is a member of the scientific committee of *Fondazione Innovazione Urbana* in Bologna, he is co-founder of the ItaliaStartup Association. He has published several books. The most recent are: “Il lavoro del futuro” (2018); “Come saremo” (2016), with Telmo Pievani; “Homo Pluralis” (2015). The Media Ecology Association awarded Luca with the James W. Carey Award for Outstanding Media Ecology Journalism in 2016.

Katherine DUNN



Katherine Dunn is the Content Editor of the *Oxford Climate Journalism Network*, a new initiative by the Reuters Institute at the University of Oxford that aims to improve climate coverage in newsrooms worldwide. She was previously an editor at *Fortune magazine*, where she covered climate change and the energy transition, including writing features on a shareholder battle at ExxonMobil and the murky world of ESG investing. Before that, she worked for *Wall Street Journal*, *S&P Global Platts* and *Macleans*, often (but not always) covering energy and commodities. She is Canadian and lives in London.

Adam VAUGHAN



Adam Vaughan is chief reporter at *New Scientist*, where he covers climate change, environment, and the latest science. He was previously energy correspondent and digital environment editor at the *Guardian* for a decade.

Fiona HARVEY



Fiona Harvey is an award-winning environment journalist for the *Guardian*. Prior to this, she worked for the *Financial Times* for more than a decade. She has reported on every major environmental issue, from as far afield as the Arctic and the Amazon, and her wide range of interviewees include Ban Ki-moon, Tony Blair, Al Gore and Jeff Immelt.

Alok JHA



Alok Jha is science and technology correspondent at the *Economist* and author of "The Water Book". Previously he was a Wellcome Trust fellow and has also worked at ITV News, the *Guardian* and the BBC. You can find him on Twitter and LinkedIn.

2.4. Session 4: Tackling misinformation on climate change

Tine HENS



Tine Hens, historian, author and journalist, works for the Belgian outlets *MO** and *Knack*, covering climate change, the biodiversity crisis and social inequality. Author of “Het klein verzet” (2015) on a different economy, “Het is allemaal de schuld van de Chinezen” (2021) on climate denial, climate delay and misinformation and “De wereld die we delen” (2022) on how we are part of nature.

Emmanuel VINCENT



Emmanuel Vincent is a scientist at the [SciencesPo médialab](#) Paris where he studies web platforms’ policies against misinformation. After a PhD in climate science, he founded [Science Feedback](#), an organisation that invites scientists to verify the credibility of viral content in scientific fields that are prone to misunderstandings and misinformation, mainly climate change and health. The goal of Science Feedback is to empower the scientific community to actively tackle misinformation by informing readers, providing feedback to journalists about the credibility of viral claims and helping web platforms identify and promote reliable sources of information.

Maria Isabel ANGEL



Maribel Angel is a data and investigative journalist focused on climate and environmental topics. After participating in an investigation on how one of the main Spanish butchers produced illegal slurry dumping, she writes about environmental policies through data and help debunk disinformation at the fact-checking platform Maldita.es.

Andrea ARNAL



Andrea Arnal is a science journalist specialised in health and climate change. She has worked for various media and agencies, such as *El País*, Mediaset Spain, Agencia EFE, Agencia Sinc, and the popular science magazine *Muy Interesante*. Now she is working for the [Verificat project](#) as scientific fact-checker, debunking hoaxes related to climate change. She graduated in Journalism from Rey Juan Carlos University.

Simon CLARK



Simon Clark is a videomaker and science communicator from Bath. He finished his PhD in theoretical atmospheric physics at the University of Exeter, researching dynamical stratosphere-troposphere coupling over the Arctic. Prior to this he studied physics at St Peter's College, University of Oxford. Since graduation he has become a full-time science communicator, focusing on making YouTube videos about topics in Earth sciences, but also livestreams on Twitch. His first book, "Firmament", is an introduction to, and history of, atmospheric science.

2.5. Session 5: Collaborative journalistic projects on climate change

Emanuele BOMPAN



Emanuele Bompán is an environmental journalist, author, speaker and one of the #LinkedInTopVoices: professionals driving today's business conversation on LinkedIn. He is also Editor-in-Chief of [Renewable Matter](#).

Daisy DUNNE



Daisy Dunne is special correspondent at [Carbon Brief](#), an online publication devoted to climate change in the UK. She was previously the *Independent's* climate and environment correspondent. She has been reporting on climate change for the last five years. She has a BSc in biology from the University of Bristol and an MA in science journalism from City, University of London.

Vedrana SIMICEVIC



Vedrana Simičević is a freelance Croatian journalist and editor, with M.A. in psychology, specialised in science, environment and social issues. Her articles appeared in *Science*, *New Scientist*, *Physics Today*, *BBC Future*, *Balkan Insight*, and *Jutarnji list* among others. She previously worked for the Croatian daily newspaper *Novi list* as a staff journalist and editor for 20 years.

She won the Croatian national award for the best journalistic work in the field of environmental protection. She was a fellow of the Balkan Fellowship for Journalistic Excellence and was shortlisted for the European Science Writer of the Year award. She is one of the founding members of Croatian Association of Science Writers and a board member of Balkan Network of science journalists. Her other projects include science communication workshops for Croatian scientists. As an experienced alpinist, she was a two-time winner of Croatian Olympic Committee award for special achievements in Himalaya.

Jelena PRTORIC



Jelena Prtoric is a freelance journalist who has reported for a wide variety of publications in English, French, Italian and her native Croatian. Her work focused on gender and human rights, migration, the environment/climate, culture and social movements, through an investigative and (often) cross-border lens. As of 2020, Jelena has been the Arena Climate Network coordinator for Arena for Journalism in Europe, a non-profit organisation. In 2022, Jelena became a Bertha Challenge Fellowship, and is working on in-depth research into the quality of water in Europe, focusing on agricultural pollution of water bodies.

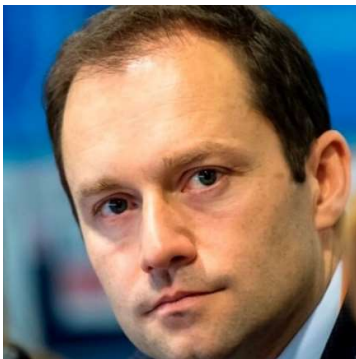
She is also an occasional podcaster and translator of graphic novels.

Katharina MAU



Katharina Mau works as a freelance journalist focusing on climate and economics. She is interested in solutions for a just and future-proof economy. As a member of the Climate Journalism Network Germany, she works towards better climate reporting.

Marcin MONKO



Marcin Mońko is heading the media team at the European Research Council (ERC). Before joining the ERC, he worked in various EU and international agencies in Italy, Luxembourg and Hungary, and earlier as a journalist and public service official in Poland. He graduated in political science from Warsaw University and Central European University in Budapest.

2.6. Session 6 Is constructive journalism the solution?

Kristoffer Frøkjær



Kristoffer Frøkjær is a fellow of the [Constructive Institute](#) at the University of Aarhus. He has more than 20 years of experience in bringing science and research to a Danish audience in writing, on television and radio – e.g. as editor and anchor for 10 years at the Danish Broadcast Corporation. Furthermore he has participated in the start-up of several scientific websites, he is a bestselling non-fiction author, and he has lectured at the University of Copenhagen and the Danish School of Journalism.

He graduated as cand. scient. (an academic degree awarded in Denmark) in biology with a minor in film- and media science from

the University of Copenhagen.

Myriam BECHTOLDT



Prof. Dr. **Myriam Bechtoldt** is a psychologist and professor of leadership at the EBS University of Business and Law, Wiesbaden (Germany). Her research focuses on psychological factors in climate change adaptation, emotional intelligence, and stress and health in the workplace. She is also a trained psychotherapist. Before starting her academic career, she worked as a journalist. She is active with Psychologists for Future/Psychotherapists for Future ([Psy4F](#)): a group of psychologists and psychotherapists that promote climate resilience.

2.7. Conclusive 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 [Panel for the Future of Science and Technology \(STOA\)](#).

One of Dr. Ehler's 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.

3. About STOA

3.1. 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.

3.2. 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		

3.3. STOA administration

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Anthony TEASDALE

Director
Wolfgang HILLER

Head of Unit - Scientific Foresight Unit (STOA)
Marcus SCHEUREN

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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
Vitalba CRIVELLO
Eszter FÁY
Carolien Martina NIJENHUIS
Emilia BANDEIRA MORAIS
Régnier POT

Seconded National Expert
Andrés GARCÍA HIGUERA

Assistants
Rachel MANIRAMBONA
Marie-Noëlle MPOLESHA MISENGA
Michal HUBAR

Trainee
Tobias HOFFMANN