

## Organizers:

The Centre for Research in Philosophy of Science and Technology (University of A Coruña) with the support of the Society of Logic, Methodology and Philosophy of Science in Spain.

## Venue:

Concepción Arenal Assembly Hall; Dr. Vázquez Cabrera Street, s/n; 15403-Ferrol (A Coruña)

## Coordinator:

Wenceslao J. Gonzalez, Department of Humanities

## Calendar:

28 and 29 October 2021

## Scientific Committee:

W. J. Gonzalez, Javier Echeverría, Juan Arana, Pascual Martínez Freire and Donald Gillies.

## Organizing Committee:

W. J. Gonzalez, María José Arrojo, Jose F. Martínez Solano, Amanda Guillán, Jéssica Rey, Pablo Vara and Alba García.

## Technical Secretary:

Jéssica Rey (reyromero.jess@gmail.com)

## Information and registration:

Faculty of Humanities and Information Science; Dr. Vázquez Cabrera Street, s/n; 15403-Ferrol (A Coruña); Spain

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It can also be used [jornadasfilosofiaciencia.es](http://jornadasfilosofiaciencia.es)

**Telephone:** 34-881 013814

## Registration:

From 15 September to 15 October 2021.

Those enrolled in this conference must provide an e-mail address, to be able to inform of possible changes based on the evolution of the pandemic.

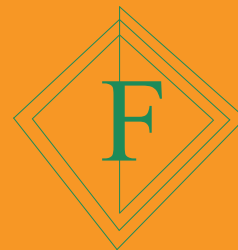
These conferences are offered within the framework of the Inter-University Doctorate in Logic and Philosophy of Science. But it is also an open course for those university students and professionals interested in Contemporary Philosophy and Methodology of Science. Its orientation is of special interest to participants in official Masters, for academic and research training.

The registration fee is 40 euros for university students and 70 euros for professionals. A Diploma of Attendance will be provided to participants.



## Society of Logic, Methodology and Philosophy of Science in Spain

Collaborating entities



FUNDACIÓN FILOSOFÍA DE LA  
CIENCIA Y LA TECNOLOGÍA



# Conference on CLIMATE CHANGE AND STUDIES OF THE FUTURE



XXVI CONFERENCE ON CONTEMPORARY  
PHILOSOPHY AND METHODOLOGY OF SCIENCE

**John Beatty** is Professor at the University of British Columbia (Vancouver, Canada). Previously he has worked at Harvard, Arizona, Stanford and Minnesota Universities and is Doctor from Indiana University and Fellow of the American Association for the Advancement of Science (in 1997). He has had the support and recognition of the National Science Foundation for years. Co-author of the book *The Empire of Chance: How Probability Changed Science and Everyday Life* (Cambridge University Press, 1989) and co-editor of the volume *Thinking about Evolution: Historical, Philosophical and Political Perspectives* (Cambridge University Press, 2000), he has published in prestigious journals such as *Philosophy of Science* or *Journal of Philosophy*.

Beatty has specialized in the Philosophy of Biology. He analyzes it from an internal point of view and from an external perspective, which includes the socio-political dimensions of Genetics and Evolutionary Biology. Among his publications are papers such as "Chance Variation: Darwin on Orchids" (2004); "The Creativity of Natural Selection? Part I: Darwin, Darwinism and the Mutationists" (2016); and "The Creativity of Natural Selection? Part II: The Synthese and Since" (2019). He has also studied the question of epistemic authority from science in the framework of the relationship between biology and society: "Should We Aim for Consensus?" (2010). At the PSA2018 Congress in Seattle he discussed the role of the international climate change panel.

**Mathias Frisch** has been a Professor at the Leibniz University in Hanover since 2016. He studied at the Universities of Munich and Berkeley. He has worked at Northwestern University (1998-2003) and the University of Maryland (2003-2015). He has been a visiting professor at the University of Munich and a research associate at the *London School of Economics*. He is co-editor-in-chief of EPSA journal: *European Journal for Philosophy of Science*.

Frisch has published the books *Inconsistency, Asymmetry, and Non-Locality: A Philosophical Investigation of Classical Electrodynamics* (Oxford University Press, 2005) and *Causal Reasoning in Physics* (2014). On climate change, he has published, among others, the following articles: "Climate Change Justice" (2012), "Modeling Climate Policies: A Critical Look at Integrated Assessment Models" (2013) and "Turning Climate Models, Predictivism, and the Problem of Old Evidence" (2015).

**Joe Roussos** is a research fellow at the Institute for Future Studies, Stockholm. He holds a PhD from the London School of Economics ("Policymaking under Scientific Uncertainty"), after a Master's degree at Cambridge. He has taught at the London School of Economics and Stockholm University. He is currently developing the project on "Climate Ethics and Future Generations". He is co-author of the article in *Philosophy of Science* entitled "Making Confident Decisions with Model Ensembles" (2020).

## PROGRAM

Thursday, 28 October 2021

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Morning and afternoon

- 9:00 to 9:30 Reception of documentation.
- 9:45 Inauguration of the Conference.
- 10:00 **John Beatty** (University of British Columbia, Vancouver): "‘Consensus’" in the United Nations, and in the UN Intergovernmental Panel on Climate Change."
- 12:00 **Mathias Frisch** (Leibniz University, Hanover): "Climate Models and Experts: Managing Different Sources of Uncertainty."

Evening

- 5:00 **Vincent Lam** (University of Bern): "Climate extremes as serious possibilities."
- 7:00 Round Table: "Climate Change and Studies of the Future: Advances and Perspectives," **John Beatty, Mathias Frisch y Vincent Lam**.

Friday, 29 October 2021

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Morning and afternoon

- 10:00 **Joe Roussos** (Institute for Future Studies, Stockholm): "Roles for scientists in policy decision-making: A decision theory perspective."
- 12:00 **Antonio Camacho** (University of Valencia): "Climate Change from a Biological Perspective: Causes, Effects and Possible Solutions."

Evening

- 5:00 Contributed papers.
- 7:00 **Greg Lusk** (Michigan State University): "Climate Data, the Role of Values and Climate Services."
- 8:45 Closing Session. Delivery of Diplomas.

**Vincent Lam** is Professor at the University of Bern and Honorary Research Fellow at the University of Queensland (Australia), and collaborates with the University of Grenoble Alpes. He has developed the project *The Epistemology of Climate Change: Philosophy of Science Perspective on Climate Change*. He has published in prestigious journals, such as *The British Journal for the Philosophy of Science*. His publications include numerous papers on structural realism, such as "No Categorial Support for Radical Ontic Structural Realism" (2015), and studies on climate change, such as "Understanding Climate Change with Statistical Downscaling and Machine Learning" (2020).

**Antonio Camacho** is Professor at the University of Valencia, specializing in Ecology, where he studies aquatic biogeochemical cycles, focusing on the interactions between microorganisms and their role in the carbon cycle and climate change. He has been expedition leader in five Antarctic campaigns. He has also led the process of implementation in Spain of European Directives (Framework of Water and Habitats) for lakes and wetlands. From 2010 to 2018 he chaired the Iberian Association of Limnology, and since 2014 he is Head of the Division of Environmental Sciences of the European Academy of Sciences. He is also President of the European Federation of Freshwater Sciences. He has participated, mostly as principal investigator, in more than 40 research projects funded in public calls or University-Company contracts. His publications include "Implicaciones del cambio climático en el funcionamiento de los ecosistemas antárticos: Los lagos como centinelas de la variación ambiental" [Implications of Climate Change on Antarctic Ecosystem Functioning: Lakes as Sentinels of Environmental Variation] (2008).

**Greg Lusk** is a member of the Department of Philosophy at Michigan State University. He holds a Ph.D. from the University of Toronto ("Quantifying Nature: Epistemology for Climate Change"), after completing a Master's degree at Ohio University. At the University of Chicago, he has worked on the project "The Ethical Implications of Number Construction in Climate Change" (2015-2018). He has been Visiting Fellow at the University of Wisconsin-Madison, Visiting Scholar at Durham University and Fellow at the University of California Irvine. He has published in prestigious journals such as *The British Journal for the Philosophy of Science* and *Philosophy of Science*. Among his publications are "Saving the Data" (2018) and "Political Legitimacy in the Democratic View: The Case of Climate Services" (2020).