

CIGS Symposium

“Evolution of Technology and Rational Global Warming Policy”

- 【主催】 一般財団法人 キャノングローバル戦略研究所
 【日時】 2018年11月20日（火） 14:00～17:00
 【会場】 新丸ビルコンファレンススクエア Room 901
 【住所】 東京都千代田区丸の内1-5-1 新丸ビル9階
 【言語】 日本語/英語（同時通訳あり）

【プログラム】

14:00-14:05	Opening Remarks Toshihiko Fukui
Part I: Potential Impacts by Global Warming	
14:05-14:45	Global Greening Versus Global Warming Matt Ridley
14:45-14:55	The Risks and Benefits of Climate Change Taishi Sugiyama
14:55-15:15	Discussion Moderated by Taishi Sugiyama
Part II: Technological Innovation and Global Warming Policy	
15:15-16:00	How Technological Innovation Happens Matt Ridley
16:00-16:30	How to Get the Technologies to Solve the Climate Problem Taishi Sugiyama
16:30-17:00	Discussion moderated by Taishi Sugiyama

【Abstracts】

The symposium consists of two parts.

Part 1: Potential Impacts by Global Warming

Global Greening Versus Global Warming, Matt Ridley

I am a passionate champion of science. I have devoted most of my career to celebrating and chronicling scientific discovery. I think the scientific method is humankind's greatest achievement, and that there is no higher calling. So what I am about to say about the state of climate science is not in any sense anti-science. It is anti the distortion and betrayal of science. I am still in love with science as a philosophy; I greatly admire and like the vast majority of scientists I meet; but I am increasingly disaffected from science as an institution. The way it handles climate change is a big part of the reason.

After covering global warming debates as a journalist on and off for almost 30 years, with initial credulity, then growing skepticism, I have come to the conclusion that the risk of dangerous global warming, now and in the future, has been greatly exaggerated, and the benefits of global greening by CO₂ has been greatly downplayed, while the policies enacted to mitigate the risk have done more harm than good, both economically and environmentally, and will continue to do so.

The Risks and Benefits of Global Warming, Taishi Sugiyama

A brief overview of the risks and benefits of global warming is provided.

Part 2: Technological Innovation and Rational Global Warming Policy

How Technological Innovation Happens, Matt Ridley

Technology is developing the kind of autonomy that hitherto characterized biological entities. Technology is self-organizing and can, in effect, reproduce and adapt to its environment. It thus qualifies as a living organism, at least in the sense that a coral reef is a living thing. Sure, it could not exist without animals (that is, people) to build and maintain it, but then that is true of a coral reef, too.

And who knows when this will no longer be true of technology, and it will build and maintain itself? The "technium", the evolving organism that our collective machinery comprises, is already a very complex organism that often follows its own urges. It wants what every living system wants: to perpetuate itself.

How to Get the Technologies to Solve the Climate Problem, Taishi Sugiyama

The advance of technology in general, including ICT such as IOT, AI, robot, etc., helps the innovation of CO₂ cut technologies. To promote this, economic activity must be vigorous, and regulatory systems must be supportive. Dedicated R&D policies for CO₂ cut technologies play roles, but they alone cannot bring about the disruptive technologies in the future, as they will heavily benefit from the progress of technology in general. Care should be taken that dedicated CO₂ cut policy should not undermine macro-economy and hamper innovation in general and consequently technologies for CO₂ cut. Such consideration becomes more relevant as nations aim at more ambitious emissions cut.

【招待講演者紹介】

マット・リドレー (Matt Ridley) は、イギリスの貴族(子爵)にして科学ジャーナリスト。第5代のリドレー子爵であり、2012年に父親第4代リドレー子爵マシュー・ホワイト・リドレーの死去に伴い襲爵して第5代リドレー子爵となり、2013年には世襲貴族から保守党所属の貴族院議員に選出された。『進化は万能である』『繁栄—明日を切り拓くための人類10万年史』『ゲノムが語る23の物語』『やわらかな遺伝子』をはじめとする科学啓蒙書を多数発表し邦訳されている。

Matt Ridley's books have sold over a million copies, been translated into 31 languages and won several awards. His books include *The Red Queen*, *The Origins of Virtue*, *Genome*, *Nature via Nurture*, *Francis Crick*, *The Rational Optimist* and *The Evolution of Everything*. His TED talk "When Ideas Have Sex" has been viewed more than two million times. He writes a weekly column in *The Times* (London) and writes regularly for the *Wall Street Journal*.

As Viscount Ridley, he was elected to the House of Lords in February 2013. He served on the science and technology select committee 2014–2017.

With BA and DPhil degrees from Oxford University, Matt Ridley worked for the *Economist* for nine years as science editor, Washington correspondent and American editor, before becoming a self-employed writer and businessman.

He was founding chairman of the International Centre for Life in Newcastle. He was non-executive chairman of Northern Rock plc and Northern 2 VCT plc. He also commissioned the Northumberlandia landform sculpture and country park.

He founded the Mind and Matter column in the *Wall Street Journal* in 2010.

He won the Hayek Prize in 2011, the Julian Simon award in 2012 and the Free Enterprise Award from the Institute of Economic Affairs in 2014.

He is a fellow of the Royal Society of Literature and of the Academy of Medical Sciences, and a foreign honorary member of the American Academy of Arts and Sciences. He is honorary president of the International Centre for Life in Newcastle.

He has honorary doctorates from Buckingham University, Cold Spring Harbor Laboratory and University Francisco Marroquin, Guatemala.

He is married to the neuroscientist Professor Anya Hurlbert. They have two children and live in Northumberland in the north of England.