

CONTRIBUTORS

JAMES LOVELOCK is an independent scientist, environmentalist, and originator of the Gaia theory which considers the Earth as a living and evolving system, striving to regulate itself so that contemporary life can flourish. Lovelock has been cited as one of the world's top 100 intellectuals (*Prospect*), "a scientific visionary" (*The Times*) and "one of the greatest thinkers of our time" (*New Scientist*).

MARTIN REES is the UK Astronomer Royal and Emeritus Professor of Cosmology and Astrophysics at the University of Cambridge. He has authored or coauthored more than 500 research papers and eight books, with special interests in high-energy astrophysics and early generation of stars and galaxies. Rees's international awards include the Balzan Prize and the World Cultural Council's Einstein Award.

LISA RANDALL is Professor of Science at Harvard University and a leading expert on particle physics and cosmology. Her research focuses in particular on extra dimensions of space. She is a member of the National Academy of Sciences, the American Philosophical Society, and the American Academy of Arts and Sciences, and was on the list of *Time* magazine's "100 Most Influential People" of 2007.

LEE R. KUMP is Professor and Departmental Head of Geosciences at Penn State. He is a fellow of the Geological Societies of America and London and an affiliate of the NASA Astrobiology Institute and Penn State's Earth System Science Center. In 2000, he was awarded the Geological Society of America's Distinguished Service Medal.

TIM RADFORD is a freelance journalist and former science editor of *The Guardian*. He won the Association of British Science Writers science writer of the year award four times and a lifetime achievement award in 2005. He is an honorary fellow of the British Science Association and fellow of the Royal Geographical Society.

VICKY POPE is Head of Integration and Growth at the UK Met Office. She was a founding member of the Hadley Centre, set up in 1990 to provide climate predictions to underpin government policy, and served on the Global Environmental Change Committee between 2005–10.

EDWARD O. WILSON is a biologist, naturalist, and University Research Professor Emeritus at Harvard, hailed as the "father of biodiversity." With a particular specialism in the behavior of

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OLIVER MORTON is a science writer and editor, with numerous contributions to *Discover*, *National Geographic*, and *Wired*, among other publications. He is Briefings Editor at *The Economist* and former News and Features Editor at *Nature*. Morton is a fellow of the Hybrid Vigor Institute, created to facilitate the exchange and cultivation of interest in interdisciplinary science research.

ERIC KANDEL is a Professor of Brain Science at Columbia University and founding director of the Center for Neurobiology and Behavior. In 2000, he received the Nobel Prize in Physiology and Medicine for his research on the molecular and cellular mechanisms underlying learning and memory.

JOHN GRAY is a political philosopher with interests in analytical philosophy and the history of ideas. He is former Professor of European Thought at the London School of Economics and Visiting Professor at Harvard and Yale. Gray contributes regularly to *The Guardian*, *The Times Literary Supplement*, and the *New Statesman*, where he is the lead book reviewer.

FRED PEARCE is a freelance author and journalist and a fellow of the Royal Scottish Geographical Society. He has been the environment consultant of *New Scientist* since 1992 and won a lifetime achievement award from the Association of British Science Writers in 2011.

BRYAN APPLEYARD is a freelance journalist and author, and former fellow of the World Economic Forum. He was former Financial News Editor at *The Times* and is currently a special feature writer for *The Sunday Times*.

TOMÁŠ SEDLÁČEK is an economist, university lecturer, and author. Economic advisor to former President Václav Havel, Sedláček is now the Chief Macroeconomic Strategist at ČSOB and a member of the World Economic Forum's Global Agenda Council on New Economic Thinking.

JACK HUDSON Jack Hudson is a British illustrator with a particular interest in scientific subjects and the interaction of macro and micro scales. His portfolio includes work for *The New York Times*, Transport for London, Google Chrome, and *The Guardian*.