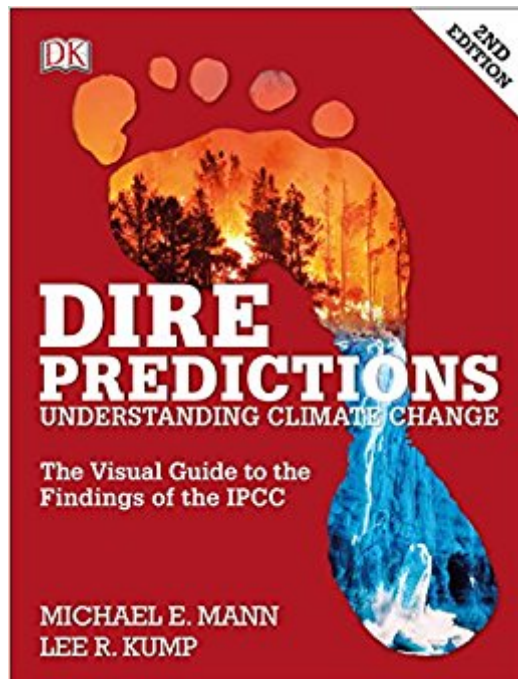




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Dire Predictions, 2nd Edition: Understanding Climate Change



Synopsis

Explore global warming with graphics, illustrations, and charts that separate climate change fact from fiction, presenting the truth about global warming in a way that's both accurate and easy to understand. Respected climate scientists Michael E. Mann and Lee R. Kump address important questions about global warming and climate change, diving into the information documented by the IPCC (Intergovernmental Panel on Climate Change) and breaking it down into clear graphics that explain complex climate questions in simple illustrations that present the truth of the global warming problem clearly. These experts take scientific findings about climate change and global warming and use analogies, striking images, and understandable graphics to make the global warming question clear to both skeptics and scientists. *Dire Predictions* shows the evidence and the causes that respected scientists have documented in IPCC findings and climate change studies. • this powerful, illustrated book is updated with the latest IPCC information and is a must-read for anyone interested in understanding global warming and climate change and in joining the debate over the best way to combat global warming.

Book Information

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Customer Reviews

"This rendering of meticulous, documented climate research, stunning crisp photos, remarkable artwork, and easy to read charts strikes clear, individual notes, while still managing to come together fully in the glossy pages like a stirring symphony of popular science." -- DailyKos.com, July 2008 *Dire Predictions* is a must read for anyone who wants the straight facts on global warming. It cuts to the heart of the massive 2007 IPCC report, presenting major scientific findings in easy to

understand language and graphics. Written by two of the scientific community's most thoughtful researchers, *Dire Predictions*' unbiased message about global warming arrives at a time when people need it most! -- Heidi Cullen, *The Weather Channel* Here's a powerful, straight-forward guide to how scientists, economists, and engineers really understand the problem of global warming. It makes 20 years of research and consensus-building completely accessible to anyone who cares to know the truth--and to do something about it. -- Bill McKibben, author of *The End of Nature* --This text refers to an out of print or unavailable edition of this title.

Michael E. Mann and Lee R. Kump are esteemed climate scientists.

The reports produced by the Intergovernmental Panel on Climate Change contain the sum total of scientific knowledge on climate change science, mitigation, and adaptation. The long lead times needed to produce such comprehensive documents means that they inevitably omit the latest scientific findings when the reports are finally approved and published, but those reports are still a treasure trove for researchers working on most aspects of climate science and solutions. What are great resources for researchers, however, are not necessarily accessible for the intelligent lay reader. For that much broader audience there is the excellent compilation of the IPCC's findings from Professors Michael E. Mann and Lee R. Kump of Pennsylvania State University. The book, titled *Dire Predictions: Understanding Climate Change* the Visual Guide to the Findings of the IPCC, is now out in its second edition. A real strength of this book is that the authors distill what's important, so you don't have to. The book is visual, as the title implies. It has pictures on every page, and is chock full of key graphs from the IPCC reports. The prose is clear and concise, and is written for a *Scientific American* level audience (i.e., lay readers who take an intelligent interest in science and who are not scared off by graphs). If graphs aren't your thing, you can still learn a great deal by just reading the text. The structure of the book is very close to the 1st edition, with five major sections: Part 1: Climate Change Basics Part 2: Climate Change Projections Part 3: The Impacts of Climate Change Part 4: Vulnerability and Adaptation to Climate Change Part 5: Solving Climate change In each section you'll find short (1-3 page) sections covering each key topic, so it's relatively easy going. The 2nd edition contains 16 more pages than the 1st edition, and that new material highlights findings that have become more salient in recent years. Those new topics include: Where is all that heat going? Suffocating the ocean Welcome to the Anthropocene The 2012 North American heat

wave
 Comparing climate model predictions with observations
 How sensitive is the climate?
 Fossil-fuel emissions scenarios
 The “faux pause”
 Past IPCC projections: How did they do?
 Tipping points, irreversibilities, and abrupt climate change
 It’s all about the economy
 The water-energy nexus
 Dire Predictions is a wonderful summary of climate science for the lay reader, and I highly recommend it. If you pair it with Joe Romm’s Climate Change: What Everyone Needs to Know (which is equally readable and contains more extensive treatment of climate economics, policy, and solutions) you’ll have complete and up to date knowledge of climate change and what we can do about it. Both books together would work well as the basis for high school, college, and graduate level classes, or as the core resources for reading clubs exploring climate change. If you care about climate, these books are “best in class”.

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Climate change from global warming is settled science. The evidence is overwhelming. Effects are

already severe and will continue to get worse. Disaster could arrive decades sooner than the public imagines. The next 10-20 years are crucial in moving from a predominately fossil-fueled energy economy to a predominately renewables- fueled energy economy. The grim facts are all here and much more accessible than from the IPCC reports on which it is based.

Climate Change is an important topic that is covered in great detail in this book by two of the leaders in the field. The information in the book is cleverly presented with illustrations and examples that help drive the point home. Definitely a must read if you are trying to learn more about this topic.

I had to read this for a college class and I am in no way science oriented or enjoy science readings. This book, however, was very easily read and it had great supplemental pictures and charts. The terms were all explained and revisited when mentioned. It was sectioned really well and had links to further info... actually found myself going to a few of those. This is a great book for those new/interested in the concept of or skeptics of global warming

Easy to read and understand. This book discusses a complicated and politicized issue and gives the reader much clarity. They used accessible language to assist the reader in grasping at least the general issue of climate change, and ways we can mitigate, and/or adapt to it.

It's great news that DIRE PREDICTIONS is out in a new and updated edition. Highly readable, non-strident, well-documented and beautifully illustrated resource on climate disruption. Readers new to this subject and those who are deeply familiar with it will really value this book for its credibility and accessibility.

Great book. Has tons of info and colored pictures for explanations. I used this book along with others for my term paper in my environmental and human health class.

Very interesting fact/example laden of evidence of climate change existing and presenting a serious problem for our future.

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