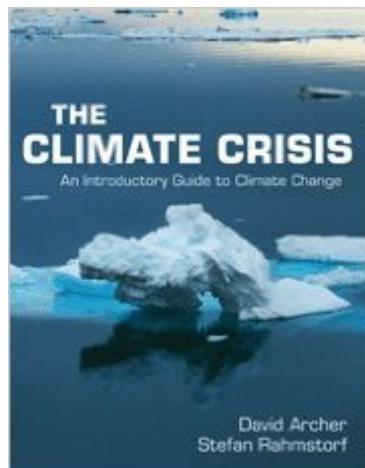


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The Climate Crisis: An Introductory Guide To Climate Change



Synopsis

An incredible wealth of scientific data on global warming has been collected in the last few decades. The history of the Earth's climate has been probed by drilling into polar ice sheets and sediment layers of the oceans' vast depths, and great advances have been made in computer modeling of our climate. This book provides a concise and accessible overview of what we know about ongoing climate change and its impacts, and what we can do to confront the climate crisis. Using clear and simple graphics in full color, it lucidly highlights information contained in the Intergovernmental Panel on Climate Change reports, and brings the subject completely up-to-date with current science and policy. The book makes essential scientific information on this critical topic accessible to a broad audience. Obtaining sound information is the first step in preventing a serious, long-lasting degradation of our planet's climate, helping to ensure our future survival.

Book Information

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Average Customer Review: 4.8 out of 5 starsÂ See all reviewsÂ (21 customer reviews)

Best Sellers Rank: #38,390 in Books (See Top 100 in Books) #26 inÂ Books > Science & Math > Earth Sciences > Rivers #33 inÂ Books > Science & Math > Earth Sciences > Climatology #35 inÂ Books > Textbooks > Science & Mathematics > Environmental Studies

Customer Reviews

The IPCC AR4 report too technical for you? Want to learn about the climate change? Then this is a good book for you. "The Climate Crisis: An Introductory Guide to Climate Change" by climatologists David Archer and Stefan Rahmstorf was published this year and does a decent job of explaining the status of climate science to non-scientists. That doesn't mean the book isn't technical. It is chock full of color graphics, charts, tables, and photographs documenting every aspect of climate science. But the authors work hard to present the information in language that educated non-scientists and scientists and professionals in other fields can more readily understand. Overall they accomplish this goal, though I do think that parts of the book are still technical enough to confuse your "average

Joe." Conversely, I don't think they explain some of the charts well enough - there is a tendency to have a narrative and reference a chart or graph, but then not explain the graph in detail. This is intentional as the book is designed to communicate the information on a level that non-climatologists can understand, but I did find myself wanting to drill into the figures more than was enabled. Still, these are minor quibbles and I find the book to be a very useful addition to the reading list of anyone interested in the topic of global warming or climate change. The authors are both practicing climatologists and professors of climate science. Rahmstorf was one of the lead authors in the most recent IPCC Fourth Assessment Report (called AR4). Both contribute to the RealClimate.org blog on the topic.

Climate scientists David Archer and Stefan Rahmstorf's "The Climate Crisis" is an authoritative introduction to the science behind the theory of climate change. It provides a tutorial on the physics, findings, predictions, and ramifications to the earth and humanity of "BAU" aka "business as usual". reader David K provides an excellent description of the book in his reader review so I won't attempt to match his outstanding effort. Instead I'll focus on this book's relevancy given it's been four years since the last IPCC synthesis report was published which is the dominant basis of the scientific findings and predictions for this book. Obviously the climate science community had to rely on what they'd discovered prior to that year; but they've also made enormous progress since then; so, is there a more relevant tutorial that incorporates findings since 2007? I went through 's top 50 sellers for climatology looking for a more up-to-date tutorial and would argue there is none, this book remains the standard-bearer where only James Hansen's book, "Storms of My Grandchildren: The Truth About the Coming Climate Catastrophe and Our Last Chance to Save Humanity", appears to approach the volume of findings, physics, and explanations contained in this book though at a mere fraction. That's because Dr. Hansen's book also focuses on his own hypotheses that are not [perhaps yet] peer-accepted, e.g., "The Venus Syndrome". He also covers some of the history of the American political debate from his perspective as a primary player and writes about his personal public policy prescriptions.

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