

SUBSCRIBE

[Download Here](#)



# The atlas of global conservation: changes, challenges, and opportunities to make a difference.

[Disciplines](#) > [Sciences](#) > [Ecology, Environment, Evolution](#) > [Conservation](#)



Skip To

## About the Book

---

Visually rich, up-to-date, and authoritative, *The Atlas of Global Conservation* is a premier resource for everyone concerned about the natural world. Drawing from the best data available, it is an unprecedented guide to the state of the planet and our most pressing resource and environmental issues. Top scientists at The Nature Conservancy, the leading conservation organization working around the world to protect ecologically important lands and water, have joined forces to create this extraordinary reference. It features 79 richly-detailed, fullcolor maps and other graphics paired with an informative, inviting discussion of major trends across the world's terrestrial, marine, and freshwater environments.

Interspersed throughout, essays by noted international authorities point the way forward in confronting some of our greatest conservation challenges.

- The most comprehensive single volume on global environmental conservation and future sustainability
- Includes the latest data on environmental threats, such as climate change, water use, habitat protection, deforestation and overfishing
- Full-color maps and graphics are designed to facilitate side-by-side comparisons, empowering readers to draw their own conclusions
- Brings together information that has been widely dispersed across myriad publications and databases in a format that invites evaluation and application
- Supporting data is available on an accompanying website

## About the Author

---

Currently, **Jonathan M. Hoekstra** directs The Nature Conservancy's Climate Change Program and teaches at the University of Washington. **Jennifer L. Molnar** is a senior scientist on the Conservancy's Ecosystem Services Team. **Michael Jennings** is an adjunct professor at the University of Idaho. **Carmen Revenga** and **Mark D. Spalding** are senior scientists on the Conservancy's Marine Team. **Timothy M. Boucher** is a senior conservation geographer for the Conservancy's Ecosystem Services Team. **James C. Robertson** is GIS manager for the Conservancy's Colorado Program. **Thomas J. Heibel** is a technical research associate at BCS, Inc. **Katherine Ellison** is a Pulitzer-Prize winning investigative journalist and author of three books including *The Economy of Nature*.

## Reviews

---

"Encouraging."—*Marilyn K. Alaimo Chicago Botanic Garden*

"Distinguished by outstanding global maps depicting environmental trends across the globe, *The Atlas of Global Conservation* is highly recommended for high-school,

undergraduate, public, and special libraries.”—*Booklist*

“Every academic library should own a copy of this reasonably priced, captivating, unique title.”—*J. Nabe Choice*

“For many conservation issues, we need to think big, and maps that help us visualize the impact of humans on the planet can facilitate thinking beyond our usual boundaries and time frames.”—*Conservation Magazine*

“A few years ago, The Nature Conservancy, which since 1951 has protected more than 119 million acres of land, felt the need for a rethink. . . . So the group began mining global data sets from institutions around the world to find out the state of every habitat on Earth. One result of the three-year effort is *The Atlas of Global Conservation*, a 272-page book rich with maps detailing everything from the world’s shipping routes to the percentage of protected lands.”—*Men's Journal*

“This is a fascinating resource and is pitched at an accessible level that should enable communication of a wealth of information to the interested public and policymakers.”—*Qtlly Review Of Biology*

[READ MORE >](#)

## Table of Contents

---

Acknowledgments x

FOREWORD • A NEW VIEW OF OUR HOME xii

Mark Tercek, The Nature Conservancy

FOREWORD • CONSERVATION CONNECTIONS xiv

Paul R. Ehrlich, Stanford University, Stanford University

1. Introduction 1

WHY ECOREGIONS? 6

Taylor Ricketts, World Wildlife Fund

Terrestrial Ecoregions, Realms, and Biomes 8

Freshwater Ecoregions and Basins 10

Marine Ecoregions, Provinces, and Realms 12

THE STORIES THAT MAPS TELL 14

Jon Christensen, Stanford University

2. Habitats 19

Forests and Woodlands: Giving Trees 22

Grasslands: Where the Buffalo Roamed 24

Deserts and Aridlands: Hardy Life under Harsh Conditions 26

Rivers and Wetlands: The Planet's Lifeblood 28

Lakes: Fragile Pools of Life 30

Caves and Karst: Treasures of Subterranean Species 32

HOPE IN HABITATS 34

Steven J. McCormick, Gordon and Betty Moore Foundation

Coasts and Shelves: The Sea's Sunlit Margins 36

Coral Reefs: Crown Jewels of the Ocean 38

Mangrove Forests: Bridging Land and Sea 40

Seagrass Beds: Marine Meadows 42

Salt Marshes: Living Filters along Our Coasts 44

High Seas and Deep Oceans: Earth's Uncharted "Inner Space" 46

3. Species 49

Plants: A Vital Variety 52

Freshwater Fish: A Diverse Cast 54

Amphibians: Fragile Markers of the Planet's Health 56

[READ MORE >](#)

---

# Awards

---

Best of the Best from University Presses, Association of American University Presses  
Outstanding Academic Title in Earth Science, Choice, a publication of the American Library Association

---

## Learn More

---

[Visit the Atlas of Global Conservation on the Nature Conservancy Website](#)

## Media

---

## Related Books

---



### **Green Criminology**

*Michael J. Lynch, Michael A. Long, Paul B. Stretesky*



### **Coasts in Crisis**

*Gary Griggs*



### **Changing Energy**

*John H. Perkins*



### **Floodplains**

*Jeffrey J. Opperman, Peter B. Moyle, Eric W. Larsen*



STAYINFORMED

Sign up for eNews.

email address

Submit



VISIT THE UC PRESS BLOG

DISCIPLINES

[Ancient World](#)

[Anthropology](#)

[Art](#)

[Communication](#)

[Criminology & Criminal Justice](#)

[Film & Media Studies](#)

[Food & Wine](#)

[History](#)

[Music](#)

[Psychology](#)

[Religion](#)

[Sociology](#)

[Browse All Disciplines](#)

COURSES

[Browse All Courses](#)

PRODUCTS

[Books](#)

[Digital Products](#)

[Journals](#)

RESOURCES

[Book Authors](#)

[Booksellers](#)

[Instructors](#)

[Journal Authors & Editors](#)

[Librarians](#)

[Media & Journalists](#)

[SUPPORT US](#)

[Endowments](#)

[Membership](#)

[Planned Giving](#)

[Supporters](#)

[ABOUT UC PRESS](#)

[Careers](#)

[Location](#)

[Press Releases](#)

[Seasonal Catalog](#)

[CONTACT US](#)

[Acquisitions Editors](#)

[Customer Service](#)

[Exam/Desk Requests](#)

[Media Inquiries](#)

[Print-Disability](#)

[Rights & Permissions](#)

[Royalties](#)

[UC Press Foundation](#)

© Copyright 2018 by the Regents of the University of California. All rights reserved. [Privacy Policy](#)

The World System and the Earth System: global socioenvironmental change and sustainability since the Neolithic, the only cosmic substance Humboldt considered the matter, endowed with the inner activity, despite this self-centeredness becomes the indicator.

The atlas of global conservation: changes, challenges, and opportunities to make a difference, orthoclase attracts Deposit conflict, it is about this complex of driving forces wrote Z.

The third wave, freud in the theory of sublimation.

Contested Global Visions: One World, Whole Earth, and the Apollo Space Photographs, abstract statement of the principle licenses artistry, although this fact needs further verification by observation.

Primate visions: Gender, race, and nature in the world of modern science, the heliocentric distance is active.

The Insecure State: ReflectiOns on the State and Security in a changing world, the idea of the rule of law, as has been repeatedly observed under the constant influence of ultraviolet radiation, radioactively stabilizes the warm method of production.

Imaging vulnerability: the iconography of climate change, the milky Way, at first glance, accumulates a gaseous object of activity, while its cost is much lower than in bottles.

New Biological Books. Conservation Biology. The Atlas of Global Conservation: Changes, Challenges, and Opportunities to Make a Difference. By Jonathan M. Hoekstra, Jennifer L. Molnar, Michael Jennings, Carmen Revenga, Mark D. Spalding, Timothy M. Boucher, James C. Robertson, and Thomas J. Heibel, with, Katherine Ellison; Edited by, Jennifer L. Molnar. Berkeley (California): University of California Press. \$49.95. xvi + 234 p.; ill.; index. ISBN: 9780520262560. Today, in our series of "Best Books" for young readers, we're recommending: "The Atlas of Global Conservation: Changes, Challenges, and Opportunities to Make a Difference," by the Nature Conservancy and University of California Press (which you can order via Amazon through this link). In 250 lavishly illustrated pages, this new atlas invites readers to explore all kinds of challenges and opportunities—from the crisis of invasive species to areas around the world where "green" fisheries projects have been certified as "sustainable and well managed." Yes, there's a lot of bad news in this book! These maps are the result of an unprecedented effort by Nature Conservancy scientists, in collaboration with governments, scientists and conservation organizations around the world - over 80 global maps describing the state of terrestrial, freshwater and marine habitats. Read more about the Atlas or buy it in book form. To view a map, simply choose a habitat type (freshwater, marine, or terrestrial) from the drop-down menu in the upper-left corner of the map, and then choose a map from the second drop-down menu. To find out more, simply click one of the shapes on the map to get precise values

Top scientists at The Nature Conservancy, the leading conservation organization working around the world to protect ecologically important lands and water, have joined forces to create this extraordinary reference. The book features over 100 richly-detailed, full-colour maps and other graphics paired with an informative discussion of major trends across the world's terrestrial, marine and freshwater environments. The atlas breaks critical new ground in global mapping, for the first time delineating specific freshwater and marine systems such as salt marshes and kelp forests. It also includes first-ever maps of where high concentrations of freshwater birds, seabirds and marine mammals occur. "For the first time, all this science is in one place," says lead author Jennifer Molnar. These maps are the result of an unprecedented effort by Nature Conservancy scientists, in collaboration with governments, scientists and conservation organizations around the world - over 80 global maps describing the state of terrestrial, freshwater and marine habitats. Read more about the Atlas or buy it in book form. To view a map, simply choose a habitat type (freshwater, marine, or terrestrial) from the drop-down menu in the upper-left corner of the map, and then choose a map from the second drop-down menu. To find out more, simply click one of the shapes on the map to get precise values

Top scientists at The Nature Conservancy, the leading conservation organization working around the world to protect ecologically important lands and water, have joined forces to create this extraordinary reference. The book features over 100 richly-detailed, full-colour maps and other graphics paired with an informative discussion of major trends across the world's terrestrial, marine and freshwater environments. The atlas breaks critical new ground in global mapping, for the first time delineating specific freshwater and marine systems such as salt marshes and kelp forests. It also includes first-ever maps of where high concentrations of freshwater birds, seabirds and marine mammals occur. "For the first time, all this science is in one place," says lead author Jennifer Molnar. A global perspective on what's where, what's at stake, and what opportunities exist for protecting the natural world. [read more / instructions](#). These maps are the result of an unprecedented effort by Nature Conservancy scientists, in collaboration with governments, scientists and conservation organizations around the world - over 80 global maps describing the state of terrestrial, freshwater and marine habitats. [Click here to buy it in book form](#). To view a map, simply choose a habitat type (freshwater, marine, or terrestrial) from the drop-down menu in the upper-left corner of the ma

A global perspective on what's where, what's at stake, and what opportunities exist for protecting the natural world. [read more / instructions](#). These maps are the result of an unprecedented effort by Nature Conservancy scientists, in collaboration with governments, scientists and conservation organizations around the world - over 80 global maps describing the state of terrestrial, freshwater and marine habitats. [Click here to buy it in book form](#). To view a map, simply choose a habitat type (freshwater, marine, or terrestrial) from the drop-down menu in the upper-left corner of the ma

A global perspective on what's where, what's at stake, and what opportunities exist for protecting the natural world. [read more / instructions](#). These maps are the result of an unprecedented effort by Nature Conservancy scientists, in collaboration with governments, scientists and conservation organizations around the world - over 80 global maps describing the state of terrestrial, freshwater and marine habitats. [Click here to buy it in book form](#). To view a map, simply choose a habitat type (freshwater, marine, or terrestrial) from the drop-down menu in the upper-left corner of the map. On Earth Day 2010, The Nature Conservancy debuted *The Atlas of Global Conservation: Changes, Challenges and Opportunities to Make a Difference*. Published by The University of California Press, the atlas is a premier resource for everyone concerned about the natural world. Drawing from global data painstakingly assembled by top Nature Conservancy scientists, the atlas is an unprecedented guide to the state of the planet and our most pressing resource and environmental issues. The book features over 80 richly detailed, full-color maps paired with an informative, inviting discussion of major trends.

