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STATE OF THE WORLD

A Worldwatch Institute Report on Progress Towards a Sustainable Society

> Gary Gardner, Project Director Chris Bright Christopher Flavin Mia MacDonald Anne Platt McGinn Danielle Nierenberg Payal Sampat Janet Sawin Molly O'Meara Sheehan Howard Youth

> > Linda Starke, Editor



Earthscan Publications Ltd, London

First published in the UK in 2003 by Earthscan Publications Ltd

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ISBN: 1 85383 968 X paperback

Printed and bound in the UK by Bookcraft, Midsomer Norton Cover design by Declan Buckley

For a full list of publications please contact:

Earthscan Publications Ltd 120 Pentonville Road, London, N1 9JN, UK Tel: +44 (0)20 7278 0433 Fax: +44(0)20 7278 1142 Email: earthinfo@earthscan.co.uk http://www.earthscan.co.uk

Earthscan is an editorially independent subsidiary of Kogan Page Ltd and publishes in association with WWF-UK and the International Institute for Environment and Development

A catalogue record for this book is available from the British Library

This book is printed on elemental chlorine free paper

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Acknowledgments

This twentieth edition of *State of the World* is the product of the shared vision and effort of the entire Worldwatch staff, as well as the Institute's friends and supporters. Authors, editors, marketers, administrative and communications support, researchers, librarians, and funders all deserve a round of applause for their various contributions.

To begin with, many chapter authors were assisted by a willing and able group of colleagues. The 2002 research interns-Elizabeth Bast, Cheng Chang, Megan Crimmins, Arunima Dhar, Vanessa Larson, Uta Saoshiro, and Dave Taylor-brought new ideas and enthusiasm to the book. While Dave was diligently retrieving data on mining for Chapter 6, Elizabeth was busy collecting data and information for Chapter 7. Arunima channeled her energies into ferreting out obscure statistics and verifying sources for Chapter 3. Staff researcher Radhika Sarin contributed data and analysis for Chapters 1 and 3, research associate Brian Halweil provided instrumental editorial comments and input on structure for Chapter 3, and staff researcher Erik Assadourian collected material for and provided valuable feedback on Chapter 8. Research librarian Lori Brown helped out in numerous ways, from tracking down articles, journals, and books to keeping researchers up to date on the latest information in their fields.

The initial research and writing were fol-

lowed by a grueling day-long internal review process in which current Worldwatch staff and alumni gave chapter authors detailed feedback. Also receiving chapter comments this year were former Worldwatcher Howard Youth, now a Madrid-based writer on birds and other conservation topics, and Mia Mac-Donald, a New York-based consultant who works on issues of gender, environment, and development. To ensure that findings were accurate and explanations succinct, authors were critiqued, complimented, and challenged to strengthen arguments and clarify details. Special thanks go to senior researcher Michael Renner and to Institute alumni John Young and David Roodman for their incisive comments. Magazine editor Ed Ayres helped refine many ideas in Chapter 2 that were presented in an earlier magazine feature article. The director of Worldwatch's Global Governance Project, Hilary French, who is on sabbatical for six months, was sorely missed during the staff review process, but we look forward to her return.

We are also grateful to the experts outside the Institute who generously gave us their time and reviewed portions of the manuscript. For their thoughtful comments, advice, and information, we would like to thank: Saleem Ali, Kelly Alley, Christine Auclair, Mohammed Awer, Leslie Ayres, J. Kevin Baird, Suprotik Basu, Maria Becket, John Beier, Stan Bernstein, Sally Bingham, Henk Bouwman, Joel Breman, Yves Cabannes, Cassandra Carmichael, Julie Church, Nigel Collar, Mario Coluzzi, Chris Curtis, Sue Darlington, Roger-Mark De Souza, Robert Desowitz, Steve D'Esposito, Daniel Edelstein, Robert Engelman, Emilio Escudero, Richard Foltz, Bronwen Golder, Brian Greenwood, John Grim, Simon Hay, Benjamin Hensler, Steve Herz, Walter Hook, Alvin Hutchinson, Jose Galindo Jaramillo, Norman Jennings, Ragupathy Kannan, Rachel Kyte, Annette Lanjouw, Michael Lippe, Rich Liroff, Socrates Litsios, Michael Macdonald, Birger Madsen, Jack Makau, Eric Martinot, Bill McKibben, Julie McLaughlin, Chandana Mendes, Kamini Mendis, David Milborrow, Glenn Miller, William Moomaw, Jay Moor, James O'Meara, Michelle Ozrech, Janice Perlman, Jonas Rabinovitch, Donald Rogich, Mary Rojas, Martha Rosen, Horst Rutsch, Jeffrey Sachs, David Satterthwaite, Vinod Prakash Sharma, Courtney Ann Shaw, Joseph Sheehan, Keith Slack, Robert Snow, Andrew Spielman, Alison J. Stattersfield, Richard Stren, Mary Evelyn Tucker, Andreas Wagner, Kathleen Walker, Rasna Warah, and Chris Williams.

Through careful edits and polishing of individual chapters, independent editor Linda Starke, more accurately known at the Institute as "the enforcer," made sure authors reached the finish line gracefully. The Institute is fortunate to have on board a new art director, Lyle Rosbotham, whose talent at design brought to life the text, tables, and figures of each chapter. He also designed the stunning new cover. As the final step, the page proofs were sent to Ritch Pope, who created the index.

As the authors' work was ending, that of our communications team was just beginning. Leanne Mitchell, Susan Finkelpearl, and Susanne Martikke, along with senior advisor Dick Bell, worked closely with researchers to craft their messages for the press and the public. Talea Miller pitched in as communications intern, and Sharon Lapier helped keep the department running, staffing the front desk and tracking the thousands of press clips we receive during the year. Patrick Settle, our IT systems administrator, kept all cyber-activities flowing smoothly. Stephen Conklin joined us in the fall as an intern to help with the Web site.

Thanks are also due to our superb development team. Kevin Parker and Mary Redfern strengthened existing relationships with foundations, while forging ahead into uncharted territory. Adrianne Greenlees focused her energies on expanding the Institute's major donors, with the help of Cyndi Cramer. On the business development side, Elizabeth Nolan tackled our marketing and sales efforts and coordinated activities with all our publishers. Tina Soumela played a jack-of-all-trades role, assisting with research, communications, and business development activities.

Senior editors Tom Prugh and Curtis Runyan kept *World Watch* magazine on schedule amid pressures on authors to meet too many overlapping deadlines. We also want to extend our gratitude and best wishes to several staff members who left Worldwatch during the past year: Janet Abramovitz, Niki Clark, Elizabeth Doherty, Seth Dunn, Jonathan Guzman, David Roodman, and Denise Warden.

A strong administrative staff forms the backbone of the Institute. Suzanne Clift kept Worldwatch President Christopher Flavin on track while also helping researchers organize speaking engagements and travel plans. Director of Finance and Administration Barbara Fallin assured the journey was smooth sailing, and Joseph Gravely kept things moving in the mailroom.

Amy Cherry, Bill Rusin, Andrew Marasia, and Lucinda Bartley are our energetic col-

leagues at W.W. Norton & Company, our long-time U.S. publisher. Thanks to their efforts, Worldwatch publications can be found at bookstores throughout the United States. This year we look forward to working with Leo Weigman on some new projects for the college market.

On the international front, we would like to thank the many Worldwatch supporters and international publishers who provide advice as well as translation, outreach, and distribution assistance around the globe. *State of the World* is regularly published in more than 20 different languages. Without the dedication of a host of publishers, nongovernmental organizations, and individuals who work to spread the Institute's message, we would not be able to live up to our name.

Special thanks for their efforts on the 2002 edition of *State of the World* go to our longtime partners Eduardo Athayde of Universidade Livre da Mata Atlantica in Brazil, Gianfranco Bologna of WWF Italy and Anna Bruno of Edizioni Ambiente in Italy, Michael Baumann and Klaus Milke of Germanwatch in Germany, Soki Oda of Worldwatch Japan, Sang Baek Lee and Jung Yu Jun of the Korean Federation for Environmental Movement, Magnar Norderhaug and Oystein Dahle of Worldwatch Norden in Norway, Jose Santamarta and Marie-Amelie Ponce of G.A.I.A. in Spain, and Jonathan Sinclair Wilson of Earthscan Publications Ltd in the United Kingdom.

Thanks also go to our newly established partners, Gulay Eskikaya and Yesim Erkan of the TEMA Foundation in Turkey and Yiannis Sakiotis of the Greek Society of Political Analysis Nikos Poulantzas in Greece. We are deeply appreciative of the dedicated work of our many international publishers and partners who make it possible for us to continually reach readers and decisionmakers throughout the world.

The Worldwatch Institute relies on phil-

anthropic funding to provide more than 70 percent of its operating budget. The largest sources of support are the private foundations that have an abiding commitment to an environmentally sustainable and socially just world. This year, we would like to express our special appreciation to The John D. and Catherine T. MacArthur Foundation for providing grants specifically for State of the World 2003. We also want to thank the other foundations that have generously supported our work in the past year: The Ford Foundation, the Richard & Rhoda Goldman Fund, The George Gund Foundation, The William and Flora Hewlett Foundation, The Frances Lear Foundation, Steve Leuthold Foundation, Charles Stewart Mott Foundation, the Curtis and Edith Munson Foundation, The David and Lucile Packard Foundation, the NIB Foundation, The Overbrook Foundation, The Shared Earth Foundation, Surdna Foundation, Inc., Turner Foundation, Inc., Wallace Global Fund, Weeden Foundation, and The Winslow Foundation.

Behind every successful nongovernmental organization is a group of leaders who contribute a combination of prudence and foresight to strategic leadership of the organization. The members of Worldwatch's Board of Directors have increased their involvement this past year through their committed participation in strategic planning, organizational development, and fundraising. We are especially indebted to their extraordinary financial leadership this year through the creation of a "Board Matching Gift Challenge" of nearly \$600,000, aimed at inspiring increased individual giving to the Institute.

We are also grateful to the thousands of individual contributors who are members of the Friends of Worldwatch. We have been proud to learn that many of our members are active at the local level in creating sustainable

ACKNOWLEDGMENTS

communities around the world. Thank you for your support and for your personal efforts to make the world a better place.

Our profound gratitude is extended to Worldwatch Council of Sponsors members— Adam and Rachel Albright, Tom and Cathy Crain, and Robert Wallace and Raisa Scriabine Wallace—who provide annual support of \$50,000 or more to Worldwatch.

Robert Wallace is a shining example of an individual who was dedicated to fostering a better world. This past October, Bob passed away, and Worldwatch lost a longtime friend who was deeply devoted to international sustainable development work. In 1996 Bob, who was President of the Wallace Global Fund, inspired the creation of the Worldwatch Council of Sponsors, which continues to provide core support to the Institute on an annual basis.

We are proud to have had such a lasting relationship with Bob, and are grateful for the legacy that he and his wife, Raisa, together with his children and the Wallace Global Fund, have left at Worldwatch. We dedicate this twentieth anniversary *State of the World* to Bob Wallace.

Finally, in July 2002 the entire staff of the Institute welcomed the latest additions to the Worldwatch family—Samuel Carlos and Clara Lucia Gardner. When Sally and I traveled to Bolivia to adopt Sam and Clara, we knew that this lively pair was going to change our lives forever. Since we returned, we have discovered they are a daily reminder of why our work here at Worldwatch matters.

> Gary Gardner Project Director

Contents

A	cknowledgments	vii
Li	ist of Boxes, Tables, and Figures	xii
Pı	reface	хv
St	tate of the World: A Year in Review Lisa Mastny	xix
1	A History of Our Future Chris Bright The Challenges We Face Ordinary Miracles	3
2	Watching Birds Disappear Howard Youth Habitat Loss: The Greatest Threat Falling to Pieces An Alien and Danger-Filled Ark Bullets, Cages, Hooks, and Chemicals Modern Conveniences and Climate Char Flying Straight: For Birds and Humanity	14
3	Linking Population, Women, and Biodiversity Mia MacDonald with Danielle Nierenberg Exploring the Linkages Why Gender Matters Continuing Gaps, Integrated Approaches Nurturing the Next Revolution	38
4	Combating Malaria Anne Platt McGinn A Modern and Growing Threat The Biology and Evolution of the Disease The False Promise of Eradication Environmental and Social Changes Alter the Balance Mexico's Approach The Challenge in Africa Improving Public Health, Engaging People	

5	Charting a New Energy Future	85
	Janet Sawin	
	The Case for Renewables	
	State of the Technologies 2003	
	The German Story	
	Policy Lessons From Around the World	
	Unlocking Our Energy Future	

6 Scrapping Mining Dependence 110 Payal Sampat

130

Minerals Inventory Ecosystems, People, and Mines Tailing the Money Digging Out

7 Uniting Divided Cities Molly O'Meara Sheehan

Poverty and Inept Government in an Urbanizing World The Paradox of Slums From Bulldozing to Upgrading Securing Homes and Jobs Opening Up City Hall

8 Engaging Religion in the Quest for a Sustainable World 152 Gary Gardner

The Potential Power of Engaged Religion Cooperation and Caution The Environment as Sacred Ground Ethical Consumption Accelerating Engagement

Notes	177

Index 231

List of Boxes, Tables, and Figures

Boxes

2 W	atching Birds Disappear	
2–1	Signs of Birds in Decline	16
2-2	Saving Blue Swallows: Local Involvement Is Key	31
2–3	A Dozen Steps Toward a Sustainable Future for Birds and Biodiversity	36
3 Li	nking Population, Women, and Biodiversity	
3–1	The Value of Biodiversity	42
3–2	The Bushmeat Trade: Population, Biodiversity, and Women in the Congo Basin	44
3–3	Women, Trees, and Empowerment: Kenya's Green Belt Movement	51
3–4	Women and the Environment	52
3–5	Principles for Integrated Programs on Population, Women, and Biodiversity	57
4 C	ombating Malaria	
4–1	The Environmental and Health Impacts of DDT	68
4–2	Essential Strategies for Dealing with Malaria	81
5 C	harting a New Energy Future	
5–1	Climate Change and the Kyoto Protocol	88
5-2	Examples of Advances in Wind Technology	<i>91</i>
5–3	The Solar Race	94
5–4	Renewable Energy Targets	100
5–5	The Case for Renewable Energy Subsidies	102
5–6	Forging a New Energy Future	107
7 U	niting Divided Cities	
7–1	Life in Mtumba, a Nairobi Slum	137
7–2	Greening Livelihoods in Cotacachi, Ecuador	144

8 Engaging Religion in the Quest for a Sustainable World

8-1	What Is Religion?	153
8–2	Religious Perspectives on Nature	155
8–3	The Link Between Ritual, Ecology, and Sustainable Cultures	164
Tab	les	
2 W	atching Birds Disappear	
2–1	Ten Recently Extinct Bird Species	17
2–2	Some International Agreements That Help Conserve Birds	26
4 C	ombating Malaria	
4–1	Malaria in Asia and the Americas Versus Africa	65
4–2	Level and Changes in Malaria Prevalence Between 1965 and 1994,	
	by Climate Zone	73
4–3	Recent International Malaria Programs	84
5 C	harting a New Energy Future	
5–1	Costs of Electricity With and Without External Costs	<i>89</i>
6 Sc	rapping Mining Dependence	
6–1	Mining in the Global Economy, Late 1990s	111
6–2	Major Mineral-Producing Countries, Selected Minerals, 2001	113
6–3	Selected Examples of Mining's Environmental Toll	116
6–4	Wastes Produced by Mining Selected Metals, 2000	117
6–5	Selected Examples of Mining's Impact on Local Communities	119
6–6	Mineral Dependence and Poverty Rates, Selected Countries, 1990s	121
6–7	Employment Losses in Mining, Selected Countries, 1985–2000	123
7 U	niting Divided Cities	
7–1	World's 10 Largest Urban Areas, 1000, 1800, 1900, and 2001	133
7–2	Selected Microfinance Institutions Operating in Slums	147
8 E	ngaging Religion in the Quest for a Sustainable World	
8–1	Major Religions: Number of Adherents and Share of World Population, 2000	157
8-2	Religious Initiatives and Partnerships on Environment and Sustainability	160
8–3	Selected Religious Teachings on Consumption	167
8–4	Leveraging Religious Assets	172

Figures

3 Linking Population, Women, and Biodiversity

3–1	World's Most Populous Countries, 2001 and 2050	41
3–2	Population Growth in 25 Biodiversity Hotspots, 1995–2000	45
3–3	Population Density in 25 Biodiversity Hotspots, 1995	46
3–4	Education Levels and Fertility Rates for Women and Girls in 12 Developing	
	Countries, Late 1990s	53
4 C	ombating Malaria	
4–1	Prevalence of Malaria	64
4–2	Malaria Mortality Rate, 1950, 1970, 1990, and 1997	66
4–3	Lifecycle of the Malaria Parasite	69
5 C	harting a New Energy Future	
5–1	World Energy Consumption by Source, 2000	87
5-2	World Electricity Generation by Type, 2000	87
5–3	Cumulative Global Wind Capacity, 1992–2001	<i>92</i>
5–4	Cumulative Global Photovoltaic Capacity, 1992–2001	<i>93</i>
5–5	Wind Power Capacity Additions in Germany, Spain, and the United States,	
	1980–2002	101
5–6	Cumulative Photovoltaic Capacity in Japan and the United States, 1992–2001	103
6 Scrapping Mining Dependence		
6–1	Production of Non-fuel Minerals and Metals, 1970–99	112
6–2	Metals and Minerals Price Index, 1960–2001	114
6–3	Gold Stocks Above and Below Ground, 2000	125
6–4	U.S. Copper Stocks Above and Below Ground, 1990s	125
7 U	niting Divided Cities	
7–1	Link Between Human Development and City Development, 150 Cities,	
	1998	131
7–2	World Population Growth by Region in 1970 and 2000, with Projection	
	for 2030	134
7–3	The Overlap of Poverty, Urban Growth, and Corruption	136

Preface

In late August 2002, several colleagues and I flew from Washington to Johannesburg, South Africa, to participate in the World Summit on Sustainable Development. The journey is a long one, and not only in terms of the seven time zones, 65 degrees of latitude, or the disconcerting seasonal transition—from a damp northern summer to a refreshing southern winter. In moving this far from North to South, we entered a different world.

While *State of the World 2002* focused on the agenda for the Johannesburg World Summit, *State of the World 2003* is informed by our experiences in being there. The Summit showed us much about where the world is politically in dealing with the vast problems related to sustainable development, but it also showed us in a more immediate way how a large part of the world lives—and how deeply people are affected by the intersection of poverty and environmental decline.

The upscale Sandton Convention Center in which the official Johannesburg negotiations took place would nestle easily into the suburbs of Washington, DC, or even Beverly Hills. But that splendor gives a misleading perception of life in South Africa and the rest of the region.

Some of my colleagues saw firsthand the squalor of Johannesburg's urban slums, as Molly O'Meara Sheehan describes in Chapter 7, where life has improved little in the decade since apartheid ended. Payal Sampat, author of Chapter 6, met with mine workers at an abandoned gold mine—gold mining is the reason that Johannesburg exists at all—and was able to see the enormous human and environmental price that was paid to extract the precious metal embedded in the jewelry of millions of people around the world.

From its vast human inequality to the coal soot in its air and the falling water tables beneath its surface, Johannesburg is a living, breathing example of why sustainable development is imperative—and of how far we still must go to achieve it. But South Africa also provides the world with one of the alltime object lessons about the possibility of dramatic change. In his speech opening the Summit, President Mbeki drew on South Africa's precipitous overturning of apartheid as a metaphor for what the world must do to achieve sustainable development.

Other examples of rapid change are more ancient. In Chapter 1 this year, entitled "A History of Our Future," Chris Bright describes a remarkable advance in human tool-making among a group of people in the Middle East some 40,000–50,000 years ago that led to rapid human social evolution—a critical step toward the development of human civilization and everything that followed. The change seems to have occurred relatively quickly. And like many subsequent human innovations, it demonstrates humanity's seemingly limitless potential for change

PREFACE

in response to outside pressures.

Both of these transformations demonstrate that while dramatic transitions are possible, they only set the stage for continuing cultural, economic, and technological evolution that unfolds after a breakthrough is made. Our ancestors did not move directly from fashioning blades from stone to working on personal computers, but this Aurignacian technology, as it is known, does seem to have set the stage for a surge in social evolution, leading in due course to settled agriculture, cities, and the Industrial Revolution. South Africa's experience with change has only begun to unfold, but it shows similar patterns: ending apartheid was a historic first step in addressing South Africa's social, economic, and environmental problems. But it will take decades to overcome the legacy of racial inequality and improve the lives of all South Africans.

From our perch in Johannesburg, looking back on the Earth Summit in Rio a decade earlier, we saw many parallels between the initial euphoria that followed that breakthrough conference and the sense that all things were possible that accompanied the formal ending of apartheid. The Rio agreements provided formal recognition that global trends were not sustainable-and laid out a long-term road map for the creation of a sustainable worldbut it did not by itself solve all the problems that stand in the way. Amid predictable diversity of views, the Johannesburg Summit marked the beginning of a shift from agreements in principle to more modest but concrete plans of action that are needed to move the world in a new direction.

The Johannesburg agreements do not have the historic resonance of the Rio treaties, nor do they meet all the tests that we laid out in the last edition of *State of the World*. Indeed, according to most assessments of the official 54-page Plan of Implementation, including the World Summit Policy Brief written by my colleague Hilary French, the Johannesburg agreement is something between a modest step sideways and a small step backwards. But her analysis of the World Summit also indicates a more profound significance, one with encouraging implications for the future.

One of the first things to be agreed to by World Summit negotiators was that the world still has a long way to go to achieve the substantial ambitions of the historic Rio treaties of 1992. Unlike at the earlier Earth Summit, there were no major treaties up for negotiation in Johannesburg. Instead, the focus was on concrete steps for moving the Rio agenda forward.

Much of the debate in Johannesburg revolved around whether the Plan of Implementation should include new targets and timetables related to sustainable development-complementing and building on the Millennium Development Goals adopted by heads of state in 2000. Despite opposition from the United States, the Johannesburg plan did in the end include several date-specific targets, including halving the proportion of people without access to sanitation by 2015, restoring fisheries to their maximum sustainable yields by 2015, eliminating destructive fishing practices and establishing a representative network of marine protected areas by 2012, reducing biodiversity loss by 2010, and aiming by 2020 to use and produce chemicals in ways that do not harm human health and the environment.

The lack of detail in these commitments and the acrimony that preceded them left many Summit participants pessimistic about the world's ability to move forward on the most important issues facing humanity in the twenty-first century. The severe North-South splits on financial and trade-related issues seemed deeper than ever, and the U.S. government's opposition to virtually any substantive multilateral commitments led some to wonder whether a half-century of progress in forging a cooperative global community was about to dissolve in chaos.

These well-founded concerns can hardly be dismissed, but they capture only part of what was going on in Johannesburg. The government negotiators who were niggling over the wording and grammar of deliberately ambiguous paragraphs were literally and figuratively surrounded by one of the largest collections of civil society organizations in U.N. history—ranging from environmentalists and farmers to human rights activists, local officials, and labor union representatives.

More than 8,000 nongovernmental participants were officially accredited to the Summit. In addition to participating in the official summit meetings, nongovernmental groups sponsored a broad range of parallel events, such as meetings of parliamentarians, Supreme Court justices, local government officials, and trade unionists. An estimated 20,000 people representing Africa's dispossessed marched from one of Johannesburg's poorest areas to the posh neighborhood where the conference was held to protest what they saw as the meeting's failure to address the concerns of the poor.

The corporate world was also vigorously present in Johannesburg. According to Business Action for Sustainable Development, an estimated 1,000 business representatives participated in the Summit—with 120 of them being CEOs or Board Chairmen. In comparison, there were 104 world leaders in attendance.

The substantial presence of nongovernmental organizations (NGOs) at an official meeting of governments may have pointed to a strategy for accelerating the process of global change. Because of their scale and because of the politics that surround them, governments and international institutions are often influenced by archaic ideologies or beholden to entrenched economic interests. Outside groups with fresh ideas and representing new political pressures are often required to overcome the momentum of the status quo.

The coming together in Johannesburg of NGOs committed to social betterment, environmental progress, and the creation of new economic opportunities represents a powerful force for change. And the fact that a large portion of these groups came from the South is an even more profound indication that the world is changing. In response to the failure of governments to agree on any clear principles regarding access to information, NGOs set up a voluntary code of conduct that nongovernmental groups, international institutions, and even governments can elect to join.

This example of NGOs stepping in to fill a gap left by governments provides guidance for how the world can one day get beyond the sort of impasse that has blocked international progress on many economic, social, and environmental issues in the past decade. In his recent book, High Noon, J. F. Rischard argues that the sheer scale and complexity of many problems have reached the point where traditional nation-states and intergovernmental processes can no longer cope with them, let alone get ahead of the avalanche of problems now rushing toward us. Rischard goes on to suggest that traditional hierarchical processes at the international level should be supplemented by what he calls "global issues networks"-voluntary alliances of governments and NGOs working under the auspices of U.N. bodies such as the U.N. Environment Programme or U.N. Development Programme on specific challenges that face the world today.

It is in this area that Johannesburg may have yielded its most significant results. In addition to the official agreements, the Summit produced roughly 280 "partnership initiatives"—agreements among national governments, international institutions, the business community, labor groups, NGOs, and other actors to carry out sustainable development activities. These agreements were a significant departure from earlier approaches, where the emphasis was on accords among nation-states. Examples of the new initiatives include a partnership for cleaner fuels and vehicles announced at the Summit that will involve the United Nations, national governments, NGOs, and the private sector, and a European Union "Water for Life" project that will help provide clean water and sanitation in Africa and Central Asia.

The growing role of developing countries in setting the international agenda was also clearly evident at the Johannesburg Summit. While that fact made North-South gaps more prominent, it also provided a needed focus on the fact that we live in a world where growing inequality is one of the most pronounced and disturbing global trends. To paraphrase U.S. President Lincoln on a similar division a century and a half ago, a world divided against itself cannot be sustained.

South Africa, itself a hybrid of North and South, provides a signal example of a country that is striving to bridge such gaps. But it is also emblematic of one of the biggest advantages our globalized world presents today: diversity. Diversity in South Africa is represented not only by its highly complex racial and cultural mixes but by one of the world's great "hotspots" of biodiversity. The Cape Floral Kingdom in the southwest, as described in Chapter 3 of this year's book, is home to 9,000 plant species. Diversity creates tensions and conflicts, but if those are successfully managed, diversity also spawns innovation and resilience that will ultimately make South Africa a stronger country—and has the potential to make the world sustainable.

It is far too early to know whether the diversity and innovation that marked the Johannesburg World Summit will ultimately fill the gaps left by governments. But as you will see in *State of the World 2003*, it is clear that the world is changing. Slowly, and sometimes chaotically, humanity is responding to stress—and is changing its ways, just as our ancestors did 40,000–50,000 years ago. Daily and powerfully, our fellow *Homo sapiens* remind us that it is far too early to give up on the human race.

Christophen Flaim

President Worldwatch Institute

1776 Massachusetts Ave., N.W. Washington, DC 20036 worldwatch@worldwatch.org www.worldwatch.org

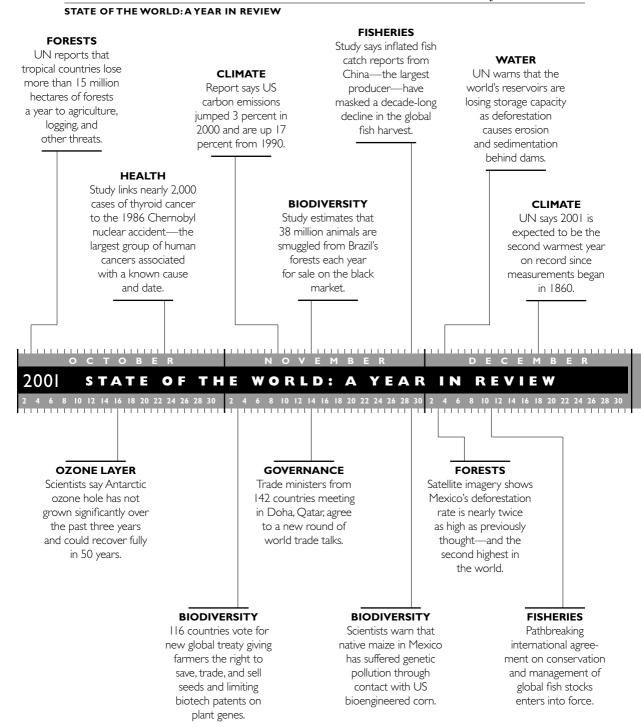
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State of the World: A Year in Review

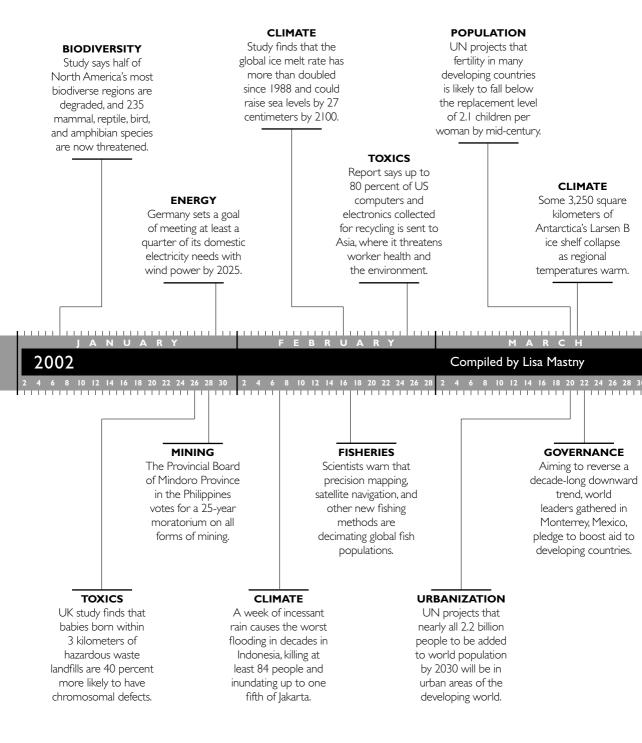
The first chapter of *State of the World* this year is about innovation—and we appropriately have an innovation of our own in this edition. As a result of a brainstorming session earlier in the year on how to convey better the many developments and setbacks along the road to sustainable development, we decided to add a timeline called "State of the World: A Year in Review." This germ of an idea was turned into a fascinating final product by Research Associate Lisa Mastny and Art Director Lyle Rosbotham.

Each year, the timeline will cover significant announcements and reports during the 12 months before *State of the World* goes to press. Assembling such a chronicle of global events can be a challenge—particularly in today's accelerated age of information and mis-information. But we have done our best to present an accurate yet engaging mix of both encouraging and sobering signs of planetary change.

Although we made no attempt to be comprehensive, we hope that this timeline will boost your awareness of the connections between specific global events and ideas and the broader, often less tangible, trends that influence and shape our planetary future from climate change and biodiversity loss to new milestones in global governance and public health. As always, we welcome your feedback on this *State of the World* innovation.



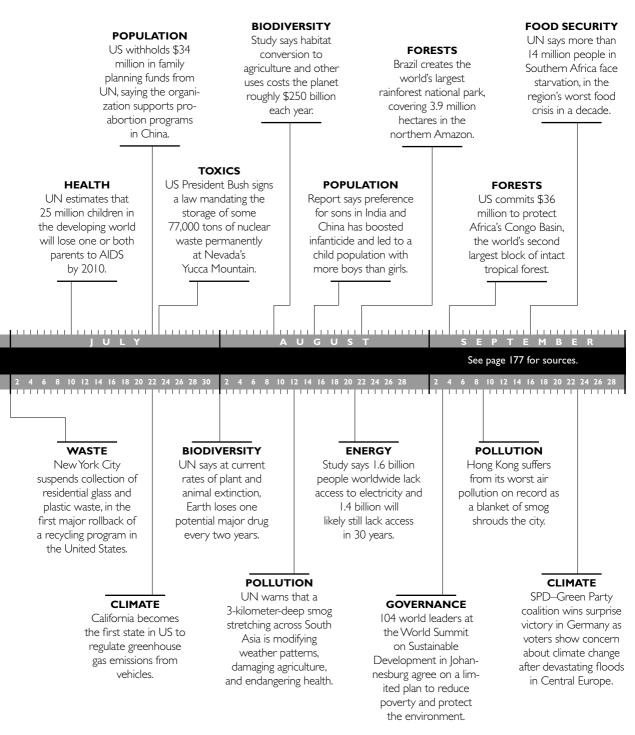
STATE OF THE WORLD: A YEAR IN REVIEW



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