

Global Governance for Sustainable Development The Need for Policy Coherence and New Partnerships Geneva, 24 - 28 June 2008



Book Launch

Globalization and Environmental Challenges: Reconceptualizing Security in the 21st Century

Thursday, 26 June, 13.30-16.30, Uni-Mail R070



Hans Günter Brauch

PD (Adj. Prof.), Free University of Berlin

Senior Fellow, Institute on Environment and Human Security of the United Nations University (UNU-EHS)

Peace Research and European Security Studies (AFES-PRESS)

Editor, Hexagon Series on Human, Environmental Security and Peace and Lead Editor of this Volume



**UNITED NATIONS
UNIVERSITY
UNU-EHS**
Institute for Environment
and Human Security

Freie Universität  Berlin



Contents

- Hexagon Buch Series
- Focus of the first five volumes
 - Security and Environment in the Mediterranean (I,II)
 - Security Handbook for the Anthropocene (III-V)
- Reconceptualizing of Security
- III: Globalization & Environmental Challenges
 - From the Security to the Survival Dilemma
 - Securitization of Global Environmental Change
- Bookaid Project for University and Research Libraries in the Third World

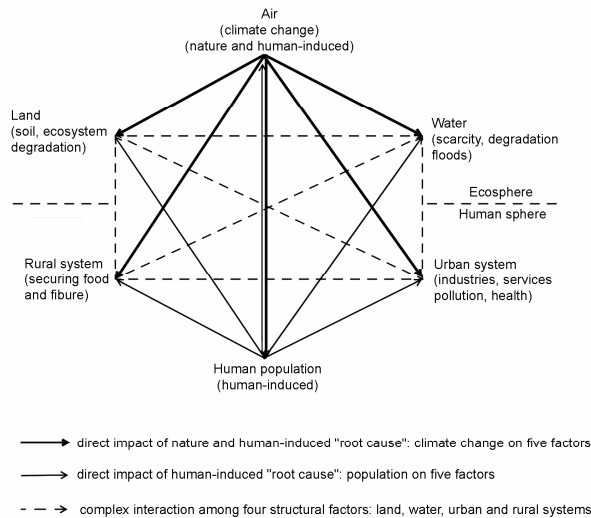
The Hexagon Book Series on Human and Environmental Security and Peace

- This book series includes **edited volumes and monographs**
 - that **cross scientific disciplines of natural & social sciences,**
 - **from North & South:** common challenges & risks for humankind in 21st cent.
- **From a human-centred perspective, this book series offers a platform for scientific communities dealing with**
 - **global environmental & climate change, disaster reduction, human, environmental, gender security,**
 - **Peace, security, development & environmental studies**
 - **for the humanitarian aid and the policy community in national governments and international organizations.**

Scientific & Policy Goals:

- Impacts of anthropogene global environmental and climate change on the security of states and human beings (humankind)
- This requires a „Reconceptualization of Security“
- Global mental mapping of the rethinking on security
- **Multi-, Inter- & Transdisciplinarity:** Authors from more than 20 disciplines
- **International and Diversity**
 - Beyond the dominant thinking of the „top billion“ of the triad
 - Cultural, religious, philosophical and ethical dimensions
- **Dialogue: scientists and policymakers**
 - Former or active policymakers, diplomats and military officers
 - Experienced scholars but also young talents

Why Hexagon Book Series?



6 causes of GEC or pressures

human-induced supply side

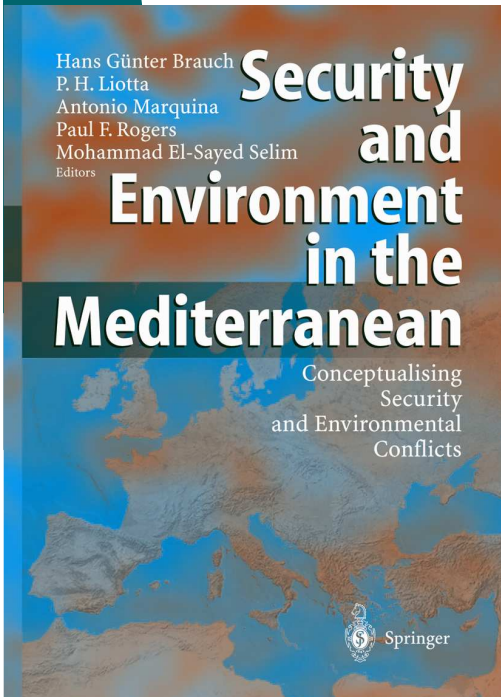
- **Air:** Global climate change
- **Soil degrad., desertification**
- **Water scarcity, hydrol. cycle**

Human-induced demand side

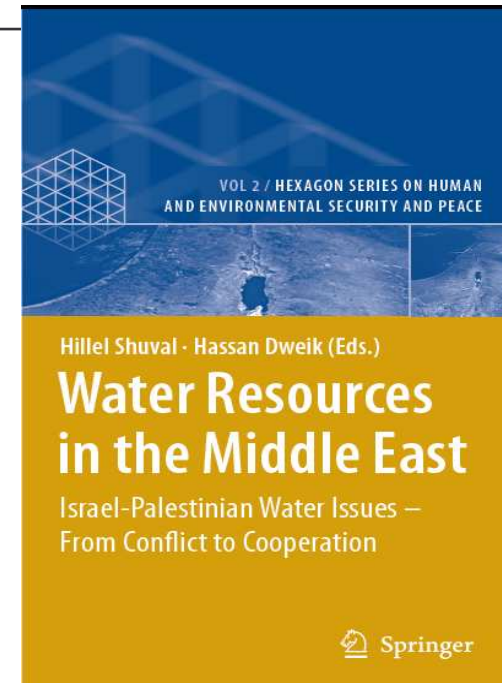
- **Population growth**
- **Urbanization, Pollution, Health**
- **Rural systems: Agriculture & Food**

- The 'hexagon': Six key factors contributing to global environmental change –
 - three ***nature-induced*** or supply factors: *soil*, *water* and *air* (atmosphere, climate),
 - **three *human-induced*** or demand factors: *population* (growth), *urban systems* (habitat, pollution), *rural systems* (agriculture, food).
- Throughout earth and human history these six factors have interacted.
 - The supply factors have created the preconditions for life
 - while human behaviour and economic consumption patterns have contributed to its challenges (increase in extreme weather events) and fatal outcomes for human beings and society.
- The series covers the complex interactions among these 6 factors and their extreme outcomes (hazards/disasters, internal displacement, migrations, crises, conflicts).

Focus of the first two volumes Mediterranean and Middle East



- **Awareness raising on non-military aspects of security**
- **Focus: Hexagon of Climate change, water scarcity, desertification to avoid environmental conflicts**
- **Functional cooperation among water experts from conflict parties (Israel, Palestine, Jordan)**
- **GTZ: bookaid: Egypt & Palestine**



(Berlin – Heidelberg – New York: Springer, 2003).

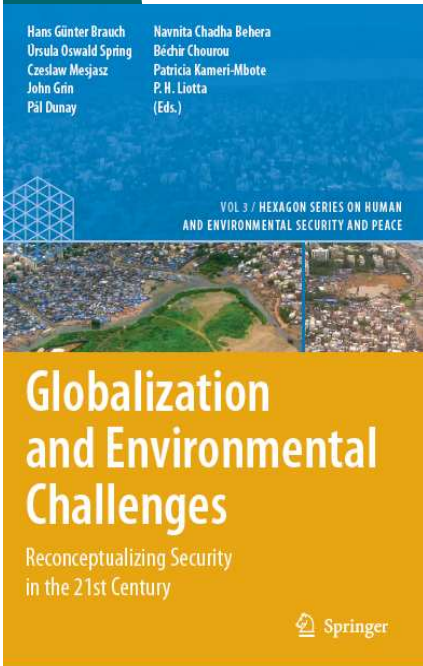
Forewords Lord Robertson,
Secretary General of NATO,
Amre Moussa, Secretary
General of Arab League

(Berlin – Heidelberg – New York: Springer, 2007)

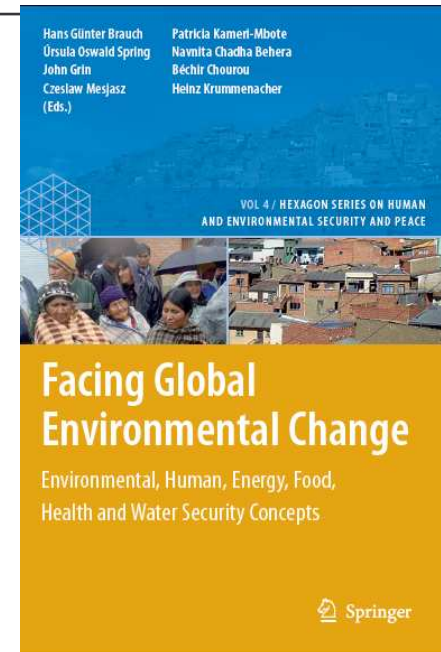
Prof. Hillel Shuval: Hebrew University of Jerusalem (Israel)
Prof. Hassan Dweik: Al Quds University (Palestine)

Focus of volumes III, IV, V

Security Handbook for the Anthropocene



- **Vol. III:** 92 authors, 36 countries, 16 disciplines, former vice presidents, ministers, generals, diplomats (2008)
- **Vol. IV:** 132 authors, 49 countries on global debate and problems of environmental, human, energy, food, health, water security (**fall 2008**)
- **Vol. V: Coping with Global Environmental Change Disasters and Security – Threats, Challenges, Vulnerabilities and Risks (2009)**



Forewords by Stavros Dimas, EU Environment Commissioner
Prof. Hans van Ginkel, Rector of UNU (1997-2007);
Prof. Klaus Töpfer, Executive Director, UNEP (1997-2006).

Forewords by R.K. Pachauri, TERI; IPCC chairman
Stavros Dimas, EU Environment Commissioner

The Editorial Team:

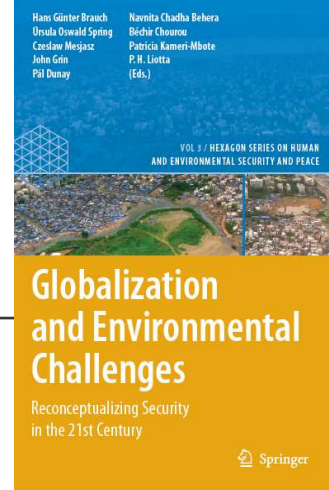
Eleven Co-editors from 10 Countries

- **Hans Günter Brauch**, PD (Adj. Prof.) at the Free University of Berlin, chairman of AFES-PRESS, fellow at UNU-EHS in Bonn and editor of this series
- **Úrsula Oswald Spring**, Professor at National University, Mexi-co; UNU-EHS chair on social vulnerability; writes on sustainability, deveopment, gender, disaster, poverty.
- **Czeslaw Mesjasz**, Assoc. Professor, Vice Dean, Cracow University of Economics; publishes on systems, game theory, conflict resolution, negotiation, economics, security.
- **John Grin**, Professor, Director of Amsterdam School for Social science Research; publishes on societal transformations in water management, agriculture, health care.
- **Pál Dunay** is faculty member, Geneva Centre for Security Policy, was senior researcher at SIPRI (2004-2007),director of the Hungarian Institute of International Affairs in 2007.
- **Navnita Chadha Behera** (New Delhi), Professor at the Nelson Mandela Centre for Peace & Conflict Resolution, Jamia Millia Islamia; publishes: Kashmir, South Asian security
- **Béchir Chourou** teaches International Relations at the University of Tunis-Carthage in Tunisia,publishes on Euro-Mediterranean relations, food policy, human security.
- **Patricia Kameri-Mbote**, Associate Professor, School of Law, University of Nairobi, Chair, Dep. of Private Law, Programme Director, Intern.Environmental Law Research Centre,
- **P. H. Liotta** is Professor of Humanities and Executive Director of the Pell Center for Inter-national Relations and Public Policy, Salve Regina University, Newport, Rhode Island
- **Heinz Krummenacher** is managing Director of Swisspeace, heads its early warning program and is member of the UN staff college's Early Warning Preventive Measures training unit.
- **Joern Birkmann**, Academic officer of UNU-EHS, heads the section on vulnerability assess-ment, coordinates Working Group on "Measuring Vulnerability".

Structure of Volume III:

Globalization & Environmental Challenges

1. Introduction
2. Conceptual quartet
3. Philosophical, ethical and religious contexts for conceptualization of security
4. Spatial context: actors and referent objects
5. Reconceptualization of security disciplines
6. Reconceptualization of security dimensions
7. Reconceptualization of security in institutions (UN, EU, OSCE, NATO)
8. Reconceptualization of regional security
9. Reconceptualization security and alternative security futures
10. Summary and conclusions



Hexagon Series, Vol. IV & Second vol. of Security Handbook

Hans Günter Brauch
Úrsula Oswald Spring
John Grin
Czesław Mesjasz
(Eds.)

Patricia Kameri-Mbote
Navmita Chadha Behera
Béchir Chourou
Heinz Krümmenacher

VOL 4 / HEXAGON SERIES ON HUMAN
AND ENVIRONMENTAL SECURITY AND PEACE

Facing Global Environmental Change

Environmental, Human, Energy, Food,
Health and Water Security Concepts

 Springer

H.G Brauch, U. Oswald Spring, J. Grin, C. Mesjasz, P. Kameri-Mbote, N. Chadha Behera, B.Chourou, H. Krümmenacher (Eds.): *Facing Global Environmental Change: Environmental, Human, Energy, Food, Health and Water Security Concepts*. Hexagon Series on Human and Environmental Security and Peace, vol. 4 (Berlin – Heidelberg – New York: Springer-Verlag, 2008), in press.

- In the second volume of this policy-focused, global and multidisciplinary security handbook on *Facing Global Environmental Change* addresses
- **new security threats of the 21st century posed by climate change, desertification, water stress, population growth and urbanization.**
- **These security dangers and concerns lead to migration, crises and conflicts. They are on the agenda of the UN, OECD, OSCE, NATO and EU.**
- **In 100 chapters, 132 authors from 49 countries analyze the global debate on environmental, human and gender, energy, food, livelihood, health and water security concepts and policy problems.**
- In 10 parts they discuss the context and the **securitization of global environmental change and of extreme natural and societal outcomes.** They suggest a new research programme to move from knowledge to action, from reactive to proactive policies and to explore the opportunities of environmental cooperation for a new peace policy.

V: Coping with Global Environmental Change, Disasters and Security – Threats, Challenges, Vulnerabilities and Risks

Third volume approximately 100 chapters will address in

part I: Introduction: Concepts of Security Threats, Challenges, Vulnerabilities, Risks;

part II: Military and Political Security Threats, Challenges, Vulnerabilities, Risks;

part III: Economic, Social, Environmental Security and Human Threats, Challenges, Vulnerabilities and Risks in Near East, North & Sub-Sahara Africa and Asia;

part IV: Threats, Challenges, Vulnerabilities and Risks for Urban Centres in Hazards and Disasters;

part V: Coping with Global Environmental Change: Climate Change, Soil and Desertification, Water Management, Food and Health;

part VI: Coping with Hazards and Strategies for Coping with Social Vulnerability and Resilience Building;

part VII: Coping with Global Environmental Change: Scientific. International and Regional Political Strategies, Policies and Measures;

part VIII: A Technical Tool: Remote Sensing, Vulnerability Mapping and Indicators of Environmental Security Challenges and Risks;

part IX: Towards an Improved Early Warning of Conflicts and Hazards and

part X: Summary and Policy Conclusions.

Global Mapping of Security Concepts and Issues

Three factors triggered this reconceptualization of security since 1990:

- **End of the Cold War (or 11 September 2001)**
 - **Process of Globalization (new dangers and actors)**
 - **Impact of Global Environmental Change in the Anthropocene era of earth history**
- **Key thesis: Global contextual changes have triggered conceptual innovations since 1990**
 - **Result: Global security reconceptualization: widening, deepening and sectorialization**
 - **Goal: Global mapping of this reconceptualization of security concepts and issues**

Conceptual Innovations: From a Reconceptualization of Security to a Securitization Process

- **Which were the conceptual innovations?**
 - **Theoretical innovations unrelated to contextual change:**
 - **Social constructivism** in the social science
 - **Ulrich Beck:** Risk society (1986), World Risk Society (2007)
 - **Copenhagen School: Buzan/Waever/de Wilde: On Security (1998) analyzing the impacts: widening & deepening**
 - **widening and deepening of security agenda**
 - **theory of securitization (speech act)**
 - **Copenhagen school** security as a “speech act”, “where a securitizing actor designates a threat to a specified reference object and declares an **existential threat** implying a right to use **extraordinary means** to fend it off”.
 - Such a process of “**securitization**” is successful when the construction of an “existential threat” by a policy maker is socially accepted and where the “survival” against existential threats is crucial.
- **Innovation of this scientific dialogue project:**
 - **Global Mapping of reconceptualization:** in politics & science
 - **Sectorialization** of security concepts and issues
 - **Securitization of Global Environmental Change** focusing on:
 - **Facing and Coping with Global Environmental Change**

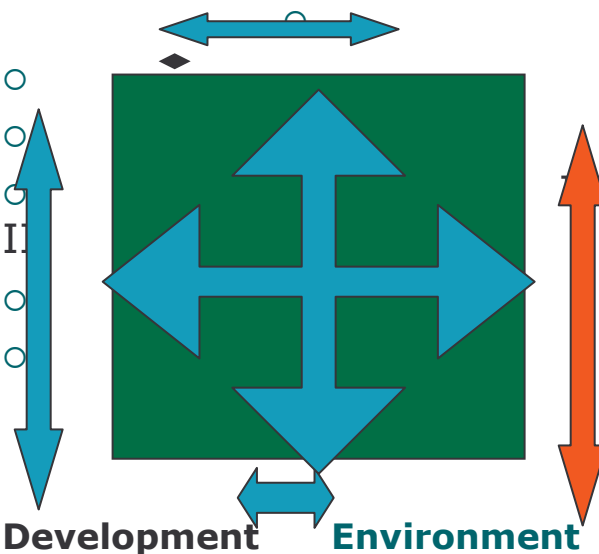
Widening, Deepening and Sectorialization of Security Concepts: Towards Human & Environmental Security

Security dimension ⇒ ↓ Level of interaction	Military	Political	Economic	Environmental ↓	Societal
Human individual ⇒ Human security			Food sec. Health sec.	Cause & Victim	Food & Health sec.
Societal, community security				↓↑	
National security	Shrinking (in USA since 2001)		Energy security	↓↑	Food & health security
International and Regional security			Water security	↓↑	Water security
Global and planetary security ⇒				GEC	

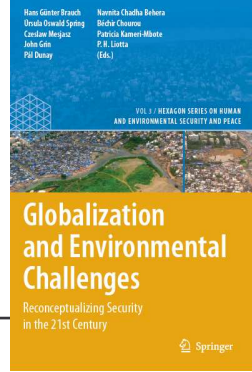
Environmental & Human Security

Label	Reference object	Value at risk	Source(s) of threat
National security	The State	Territ. integrity	State, substate actors
Societal security	Societal groups	Nation. identity	Nations, migrants
Human security	Individual, humankind	Survival of humankind people	Nature, state, globalization
Environmental sec.	Ecosystem	Sustainability	Humankind
Gender security (Oswald Spring)	Gender relations, indigenous people, minorities	Equality, identity, solidarity	Patriarchy, totalitarian institutions (governments, churches, elites) intolerance

Concepts of Security in Relationship with Peace, Environment and Development

IR research programmes	Conceptual Quartet	Conceptual Linkages
<ul style="list-style-type: none"> ▪ Peace Research ▪ Security Studies ▪ Development Stud. ▪ Environment Studies <p>4 conceptual pillars</p> <ul style="list-style-type: none"> ▪ <i>I: Security dilemma</i> ▪ II: Survival dilemma ▪ <i>III: Sustainable development</i> ▪ IV: Sustainable peace 	<p>Peace Security</p> <p>○ <i>I: Security dilemma</i></p>  <p>Development Environment</p> <p><i>III: Sustainable development</i></p>	<p>Political use of concepts & theoretical debates on 6 linkages</p> <ul style="list-style-type: none"> ○ Peace & security ○ Peace & development ○ Peace & environment ○ Development & security ○ Devel. & environment <p>Of interest here:</p> <ul style="list-style-type: none"> ○ Security & environment

From a Security Dilemma towards a Survival Dilemma



Security Dilemma

- State-centred & explains behaviour of states, especially the relationship between perception of the other country (fear) and its
- Response: national security strategies
- Military means (armament)
- Results: often regional arms races between neighbouring states
- Concept: national, regional and international state security
- Well-established concept by Herz (1950) and Ken Booth (2008)

Survival Dilemma

- Human-centred concept
- Dilemma faced by poor & vulnerable human beings, e.g. in hazards:
 - to stay at home & die of thirst and hunger
 - to move to refugee camps & wait for assistance
 - to move with herds and fight for access to water
 - to migrate to city slums
- Policy Responses:
 - Reactive: humanitarian assistance
 - Proactive: Sustainable Development as a Human Security policy
- My own proposed concept

Securitization of Global Environmental Change since the Year 2000

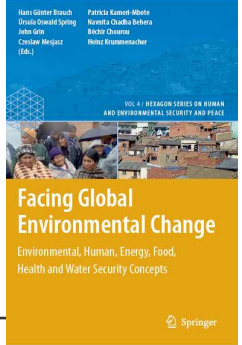
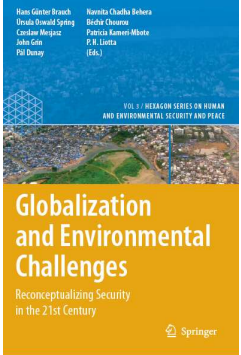
- **Water Security** (Ministerial Declaration, The Hague, 2000)
- **Desertification and Security** in the Mediterranean: NATO Science Conference in Valencia (2003)
- **Climate Change: BMU: Climate Change and Conflicts (2002)**
- **2007: Turning Point in the Securitization of Climate Change**
 - **Actor: IPCC with 4th Assessment Report of 2007 (4 vol.)**
 - In the Framework of *International Security*
 - **UK: Presidency of Security Council: 17 April 2007: climate change as a security issues**
 - **Germany: Dual Presidency of EU/G-8**
 - **WBGU-Study, Security Risk Climate Change**
 - **German EU-Initiative**
 - **EU-Study of 14 March 2008: Climate Change and Security**
 - In the Framework of *National Security*
 - **USA Debate since 2007 (partly: new missions for the Pentagon)**
 - In the Framework of *Human Security*
 - **Greek Presidency of the Human Security Network, Athens, May 2008**

From Research to Action: Enhancing Environmental & Human Security Towards Environmental Conflict Avoidance

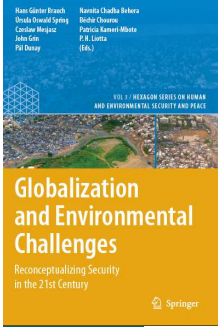
Primary Goal: address extreme outcomes of GEC: hazards and disasters, migration, crises & conflicts that may have been caused, triggered, induced, influenced by: a) environmental stress and b) extreme weather events,

- **Enhance Environmental Security:** Address human behaviour that contributes to GEC via climate change, soil degradation, water pollution & scarcity: sustainable strategies
- **Enhance Human Security:** address factors of GEC that challenge survival of individuals, families, villages, ethnic groups
- **Avoid Environmentally-induced Conflicts:** address structural or causal factors (of Survival Hexagon), e.g. climate policy, combat desertification, cope with water stress.

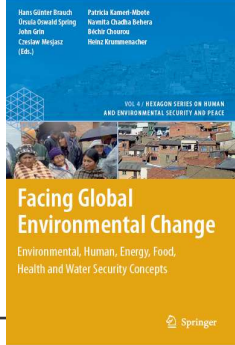
Audience of the Security Handbook: A Reference Tool



- **Springer:** Second largest global science publisher with a good reputation for high quality books.
- Academic Institutions: university and research institutes globally
- Education and policy oriented training institutions
- National government bodies: foreign affairs, defence, development, environment, hazards & disasters
- Diplomatic and military academies globally
- Diplomats & officials at international organizations
- Educators and the Media
- Non-governmental organizations, social movements
- Religious bodies globally.

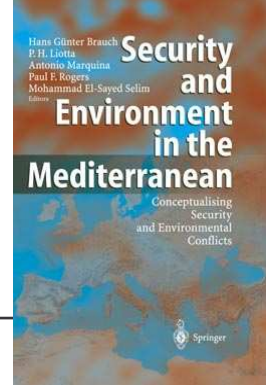


AFES-PRESS Bookaid Project for University Libraries in Developing Countries



- Goal: distribute globally produced knowledge by a team of authors for all parts of the world
- Reach out: students & professors in the South
- Major discount of the publisher for bookaid project for institutions in the South only
- 100% of grants reach the recipients
- Grantees and recipients will be documented on the web.

First Bookaid Project for University Libraries in Third World



In 2003-2004 AFES-PRESS sent 260 copies of vol. 1 to national & university libraries in more than 90 countries in

- Middle Eastern countries
- Africa, Asia, Latin America
- Selected OSCE states,



- Launch of Bookaid in Amman, Jordan
- December 2003



The book aid project was made possible by grants by:

- Berghof Foundation for Conflict Research, Germany (120 books)
- Public Diplomacy Division of NATO (117 books)
- Sparkasse Neckartal-Odenwald, Germany (11 books)
- Peter Dornier Foundation Germany (5 books)
- AFES-PRESS, Germany (19 books)

Second Bookaid Project for Third World University Libraries



- **Prof. Dr. Klaus Töpfer**, Former Executive-Director, United Nations Environment Programme (1997-2006) and former Under-Secretary General of the United Nations

From his foreword:

- “This book deserves many readers in all parts of the world, especially in those countries where university and research libraries may not be able to afford such references books. It is hoped that these scientific and policy-relevant messages can again be made available with the support of private foundations and donors to the young generation in the global South that will ex-perience many of these challenges to their security and survival during this century.”

Transfer of the first book gifts to University of Nairobi,



El Colegio de Mexico



Kofi Annan Centre, Accra, Ghana

Spanish and Turkish editions will be published in Summer 2008

- Úrsula Oswald Spring y Hans Günter Brauch en colaboración con: Ulrich Albrecht, Eugenio Diniz, Ann Mason, Domício Proença Jun., Francisco Rojas Aravena, Georgina Sánchez, John Saxe Fernández, Arlene Tickner, Ole Waever

Globalización y Cambio Ambiental Global: Nuevos Conceptos de Seguridad

(Mexico D.F. – Cuernavaca: UNAM/CRIM/CEIICH/CCA, 2008)

- ***ULUSLARARASI İLİŞKİLER***
(International Relations) SPECIAL ISSUE ON SECURITY

Guest Editors:

Hans Günter Brauch, Freie Universität Berlin,
Úrsula Oswald Spring, UNAM/CRIM, Cuernavaca, Mexico;
Mustafa Aydın, University, Ankara, Turkey:



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Contact: <brauch@onlinehome.de>