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Goals and Achievements of the Conceptual Mapping on Reconceptualizing Security in the 21st Century



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1. Introduction: 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
- Thesis: Global contextual changes triggered a reconceptualization & conceptual innovations since 1990
- Global security reconceptualization: widening, deepening and sectorialization & securitization of GEC
- Goal: Global mapping of this reconceptualization

1.1. Three Methods of the Global Review of the Thinking on Security

- **Etymology:** analysis of the term „security“ and its equivalents and opposites in different languages, cultures, religions etc.
- **Conceptual History** of the political and scientific concept of „security“ reflecting the different political and philosophical contexts
- **Conceptual Mapping:** Analysis of the use of the term, word, concept of security & related concepts (peace, development, environment) as a tool to address political issues of utmost importance that require extraordinary policy responses.

2. Contextual Changes: Three Reasons for Reconceptualization of Security

- **Four major global contextual changes: 1789-1989**
 - 1789: French revolution to 1815: Congress of Vienna
 - 1918: Revolutions, World War I, Versailles, League of Nations
 - 1945: World War II, Yalta and San Francisco (UN Charter adopted)
 - **1989-1990: Fall of the Berlin Wall, first peaceful global change**
- **Globalization: New processes, actors and security dangers**
 - **New processes: financial flows, trade, communication**
 - **New actors: non-state actors: including organized crime and terrorists**
 - **New security dangers: 11 September, US banking, global financial crisis**
- **Global Environmental Change**
 - **New challenges: Climate change, water scarcity & degrad., desertification**
 - **New security actors: scientific epistemic communities: IPCC, GWP etc.**
 - **New policy fields: Sustainable development (env., developm. ministries)**
 - **New global environmental governance: UNFCCC, UNCCD, UNCBD etc.**

2.1. Securitizing Global Environmental and Climate Change

- Since 1970s & 1980s: '*global environmental change*' (GEC) became a topic in the natural & social sciences
- Since the late 1980s and 1990s policy efforts on (**politicization**):
 - **Climate Change**: 1988: issue of G7; 1990: UN GA mandate; 1992: Rio summit: **UNFCC (1992)** and **Kyoto Protocol (1997)**
 - **Desertification**: **UNCCD (1994)**
- Since 2000: GEC: considered as security issues (**securitization**)
 - **The Hague**: Minist. Declaration on Water Security in 21st Century
 - **Valencia: 2003**: Desertification as a security issue in Mediterranean
 - **Since 2002**: climate change is discussed as a security threat & risk
 - 2007: US debate on Climate Change: a National Security Threat
 - 2007: Climate Change debated by UN Security Council (UK)
 - 2007/2008: WBGU >> EU: Security Risk Climate Change
 - 2007/2008: climate change and human security (HSN, Greece)
- **2007: Turning Point for Securitization of Climate Change**

2.2. Conceptual Linkages:

old: peace & security (UN Charter)

new: peace, security, environment and development

Main goal of UN-Charter: Art. 1.1.

- „to maintain international peace and security, and to that end: to take effective collective measures for the prevention and removal of threats to the peace, and for the suppression of acts of aggression or other breaches of the peace“.
- Development and environment concepts and policies developed later, as did linkage concepts of environment and security or environmental security that have emerged since 1989.

2.3. Conceptual Quartet: Security Concepts Linkages with Peace, Environment and Development

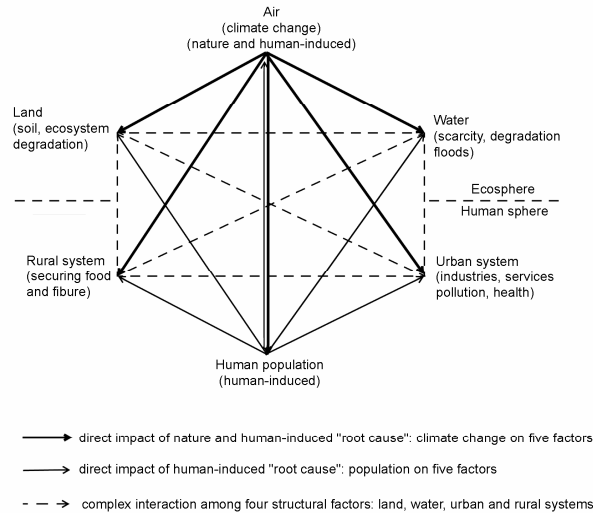
IR research programmes	Conceptual Quartet	Conceptual Linkages
<ul style="list-style-type: none"> Peace Research Security Studies Development Stud. Environment Studies <p>4 conceptual pillars</p> <ul style="list-style-type: none"> I: Security dilemma II: Survival dilemma (H.G. Brauch) III: Sustainable development IV: Sustainable peace (Ursula Oswald Spring) 	<p>Peace Security</p> <p>I: Security dilemma</p> <p>IV</p> <p>II</p> <p>Development Environment</p> <p>III: Sustainable development</p>	<p>Political use of concepts & theoretical debates on 6 linkages</p> <ul style="list-style-type: none"> Peace & security (Waeber) Peace & development (Indra de Soysa) Peace & environment (Oswald) Development & security (Uvin) Development & environment (Casey Brown) Security & environment (Simon Dalby)

2.4. Widening, Deepening and Sectorialization of Security Concepts

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	During Cold War Shrinking (in USA since 2001)		Energy security	↓↑	Food & health security
International and Regional security			Water security	↓↑	Water security
Global and planetary security ⇒				GEC	



3. Hexagon Book Series on Human & Environmental Security and Peace



Hexagon book series offers a platform for scientific communities on

- 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 and Policy Goals:

- Impacts of anthropogenic global environmental & climate change on the security of states & human beings (humankind)
- This requires a „Reconceptualization of Security“
- Global mental mapping of the rethinking on **security**

Multi-, Inter- and Transdisciplinarity:

International and Diversity

- Cultural, religious, philosophical and ethical dimensions
- Beyond the thinking of the „top billion“ of the triad

Dialogue: scientists and policymakers

- Former or active policymakers, diplomats and military officers
- Experienced scholars but also young talents

6 causes of anthropogenic GEC supply side

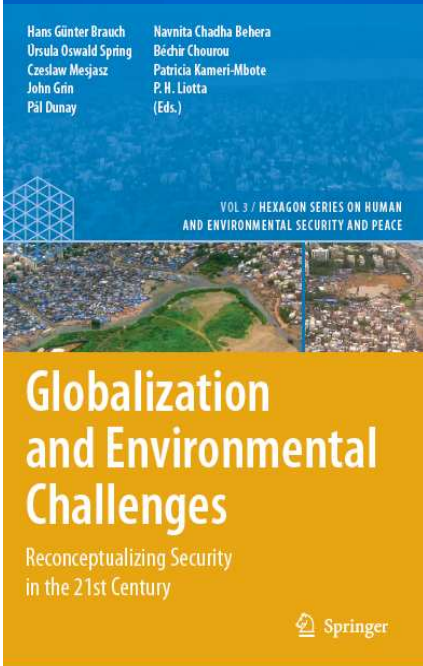
- Air: Global climate change
- Soil degrad., desertification
- Water scarcity, hydrol. cycle

Human-induced demand side

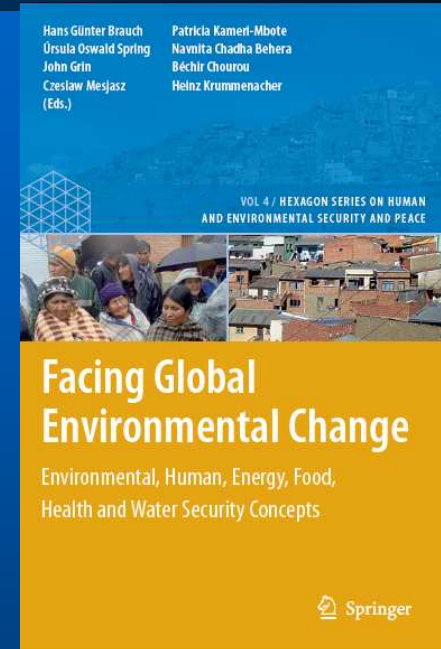
- Population growth
- Urbanization, Pollution, Health
- Rural systems: Agriculture

4. 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 (autumn of 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

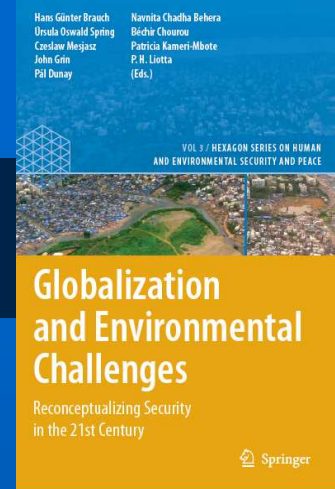
4.1 The Editorial Team:

Eleven Co-editors from 10 Countries

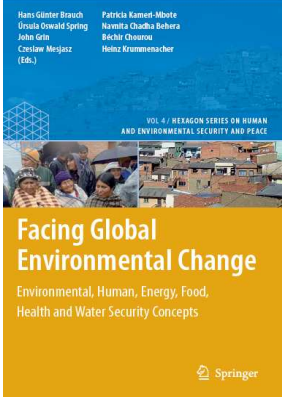
- **Hans Günter Brauch**, PD (Adj. Prof.) at the Free University of Berlin, chairman of AFES-PRESS, fellow at UNU-EHS in Bonn and editor of this series
- **Úrsula Oswald Spring**, Professor at National University, Mexico; UNU-EHS chair on social vulnerability; writes on sustainability, deveopment, gender, 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 International 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 assessment, coordinates Working Group on “Measuring Vulnerability”.

4.2. Structure of Volume III: Globalization & Environmental Challenges

Reconceptualizing Security in the 21st Century



- I. Introduction
- II. Conceptual quartet
- III. Philosophical, ethical and religious contexts for conceptualization of security
- IV. Spatial context: actors and referent objects
- V. Reconceptualization of security disciplines
- VI. Reconceptualization of security dimensions
- VII. Reconceptualization of security in institutions (UN, EU, OSCE, NATO)
- VIII. Reconceptualization of regional security
- IX. Reconceptualization security and alternative security futures
- X. Summary and conclusions



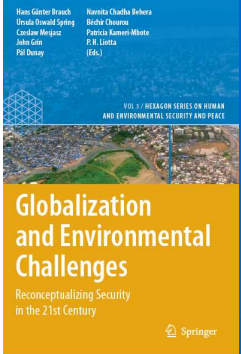
4.3. Structure of Volume IV: *Facing Global Environmental Change: Environmental, Human, Energy, Food, Health and Water Security Concepts*

- I. Contextualization of Global Environmental Change**
- II. Securitization of Global Environmental Change**
- III. Securitization of Extreme Natural & Societal Outcomes**
- IV. Energy Security for the 21st Century**
- V. Food Security for the 21st Century**
- VI. Livelihood and Health Security for the 21st Century**
- VII. Water Security for the 21st Century**
- VIII. Environmental Security Concepts and Debates**
- IX. Human and Gender Security Concepts and Debates**
- X. Conclusions: From Knowledge to Action and Policy
Outlook: Sustainable Peace Policy for the Anthropocene**

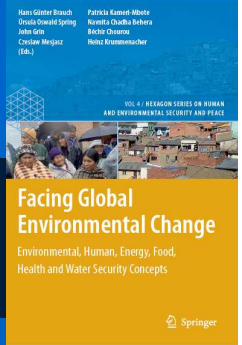
4.4. Structure of Volume V:

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

- I. Introduction: Concepts of Security Threats, Challenges, Vulnerabilities, Risks;**
- II. Military and Political Security Threats, Challenges, Vulnerabilities and Risks;**
- III. Economic, Social, Environmental Security and Human Threats, Challenges, Vulnerabilities and Risks in the Near East, North & Sub-Sahara Africa and in Asia;**
- IV. Threats, Challenges, Vulnerabilities and Risks for Urban Centres in Hazards and Disasters;**
- V. Coping with Global Environmental Change: Climate Change, Soil and Desertification, Water Management, Food and Health;**
- VI. Coping with Hazards and Strategies for Coping with Social Vulnerability and Resilience Building;**
- VII. Coping with Global Environmental Change: Scientific. International and Regional Political Strategies, Policies and Measures;**
- VIII. A Technical Tool: Remote Sensing, Vulnerability Mapping and Indicators of Environmental Security Challenges and Risks;**
- IX. Towards an Improved Early Warning of Conflicts and Hazards and**
- X. Summary and Policy Conclusions.**



5. Audience of the Security Handbook: A Reference Tool



Springer: Second largest global science publisher: 20 countries

- Academic Institutions: university and research institutes
- Education and policy oriented training institutions
- National government ministries & agencies
- Diplomatic and military academies globally
- Diplomats & officials at international organizations
- Educators, the media, religious bodies globally
- Non-governmental organizations, social movements

Bookaid Project for University Libraries in the South

- 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.



6. 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)
- Sparkasse Neckartal-Odenwald, Germany (11)
- Peter Dornier Foundation Germany (5)
- AFES-PRESS, Germany (19)



6.1 Second Bookaid Project for Third World University Libraries



- **Prof. Dr. Klaus Töpfer**, Former Executive-Director, United Nations Environment Programme (1997-2006) former UN Under-Secretary General
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 experience many of these challenges to their security and survival during this century.”

Transfer of the first book gifts to
University of Nairobi, Kenya



El Colegio
de Mexico



Kofi Annan
Centre,
Accra, Ghana



[http://www.afes-press-books.de/html/
book_aid_project_hex3.htm](http://www.afes-press-books.de/html/book_aid_project_hex3.htm)

7. Spanish and Turkish Editions will be published during 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 Wæver:
***Globalización y Cambio Ambiental Global:
Nuevos Conceptos de Seguridad***
(Mexico DF – Cuernavaca: UNAM/CRIM/CEIICH/CCA, 2008)
- ***ULUSLARARASI İLİŞKİLER (International Relations)***
SPECIAL ISSUE ON SECURITY
Guest Editors:
Hans Günter Brauch, Free University of Berlin, Úrsula Oswald Spring, UNAM/CRIM, Cuernavaca, Mexico; Mustafa Aydin, TOBB University of Economics & Technology, Ankara, Turkey:

Hexagon Series: Volumes I - IV

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P. H. Liotta
Antonio Marquina
Paul F. Rogers
Mohammad El-Sayed Selim
Editors

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Water Resources in the Middle East

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