

**PD Dr. Hans Günter Brauch, Alte Bergsteige 47, 74821 Mosbach, 5.11.2010**

☎ 06261-12912 ☎ 06261-15695 ✉ brauch@onlinehome.de ☐ <http://www.afes-press.de>

HS 15390

Hans Günter Brauch

WS 2010/2011

**Hauptseminar (Buchbar: Politische Systeme/Umweltschutz):**

Friday, 5 November 2010, 14.00-16.00, Room UG 2 (Ihnestraße 21)

Monday-Wednesday, 21-23 February 2011, 8.00-18.00, Room 21 E, 8.00-18.00 (Ihnestraße 21)

**This graduate seminar will be offered only in English**

**Climate Change Impacts for International, European, National and Human Security:  
Causal, Discourse, Scenario and Empirical Analyses of Hotspots**

In November 2010 a plan of seminar sessions, list of seminar papers, bibliography and a participants' questionnaire will be posted at: [http://www.afes-press.de/html/fu\\_berlin.html](http://www.afes-press.de/html/fu_berlin.html). Email-consultation is at: [hg.brauch@onlinehome.de](mailto:hg.brauch@onlinehome.de). Consultation hours are daily prior and after seminar sessions (to be arranged by Email). **Seminar topics will be distributed after the first session (5.11.2010) only after a confirmation of your participation with the submission of three alternative seminar topics on the questionnaire that may be downloaded as a word document to the above Email.**

Since 1989 climate change impacts have been discussed by scientists and since 2002 reports of governments (e.g. BMU 2002; WBGU 2007, 2008) and international have addressed possible security implications of climate change for selected environmental hotspots. Since 2007 three policy debates and discourses emerged on the *international* (UNSC 2007, UNGA 2009; UNSG 2009; EU since 2008), *national* (US SD; CIA/NIC 2009-2010; India 2009) and human security (GECHS 2005; Human Security Network since 2007; Friends of Human Security since 2009) and scientific conferences in Hamburg (2009) and Trondheim (2010) have addressed the multi-faceted possible security implications of the physical (rise in temperature, sea-level, number and intensity of natural hazards; change in precipitation) and societal effects (migration, crises, conflicts or cooperation) of global climate change primarily for developing countries.

This seminar will focus 1) on four scientific approaches in analysing interactions between the earth and human systems: a) *causal analyses* (e.g. PEISOR model); b) *discourse analyses* (e.g. within UN, EU, USA, Germany, UK, India); c) *scenario analyses* (e.g. EU Commission; NIC) and d) *empirical analyses* on 2) selected environmental hotspots: a) small island developing countries (SIDS); b) Mediterranean, Middle East and North Africa (MENA); c) Sub-Saharan Africa (Sahel, Eastern and Southern Africa); d) Central, South, South East or East Asia; and e) Mexico, Central America and the Caribbean posing security concerns for Europe and North America.

**The following topics will be covered:**

1. **5.11., 14-16.00:** Brauch: Introductory Lecture and Distribution of Seminar Topics (with submission of questionnaire only)
2. **21.02., 8.00-10.00: Framing: Different policy and scientific positions: dramatizers, opponents, sceptics and empiricists**
3. 21.02., 10.00-12.00: Causal analyses: Models of interactions between the earth and human system
4. 21.02., 13.00-14.30: Discourse analyses in international organizations: UN, EU, NATO, OSCE
5. 21.02., 14.45-16.15: Discourse analyses of selected countries: USA, Germany or UK and India
6. 21.02., 16.30-18.00: Scenario analyses: Studies of the EU Commission and US National Intelligence Council (CIA)
7. **22.02., 8.00-10.00: Empirical analyses: different approaches for the Holocene and Anthropocene**
8. 22.02., 10.00-12.00: Holocene: Collapse of high civilizations in Egypt, China and Mesoamerica (Diamond and critics)
9. 22.02., 13.00-14.30: Climatic causes of massive people's movements ('Völkerwanderung') and of revolutions (1789, 1848, 1910)
10. 22.02., 14.45-16.15: Cases of extreme societal impacts of anthropogenic climate change in the Anthropocene (since 1750)
11. 22.02., 16.30-18.00: WBGU's four conflict constellations for analysing future climate change impacts
12. **23.02., 8.00-10.00: Climate change impacts for small island developing countries (SIDS)**
13. 23.02., 10.00-12.00: Climate change impacts for Mediterranean, Middle East and North Africa (MENA)
14. 23.02., 13.00-14.30: Climate change impacts for Sub-Saharan Africa (Sahel, Eastern and Southern Africa)
15. 23.02., 14.45-16.15: Climate change impacts for Central, South, South East or East Asia
16. 23.02., 16.30-18.00: Climate change impacts for Mexico, Central America and the Caribbean

**Literature:**

BMU: *Climate Change and Conflicts* (2002); at: <[http://www.afes-press.de/pdf/Brauch\\_ClimateChange\\_BMU.pdf](http://www.afes-press.de/pdf/Brauch_ClimateChange_BMU.pdf)>; WBGU: *Security Risk Climate Change* (2008); at: <[http://www.wbgu.de/wbgu\\_jg2007\\_engl.html](http://www.wbgu.de/wbgu_jg2007_engl.html)>; Brauch/Grin/ Mesjasz/Dunay/Chadha Behera/Chourou/Oswald Spring/Liotta/Kameri-Mbote (Eds.): *Globalization and Environmental Challenges: Reconceptualising Security in the 21<sup>st</sup> Century*. 2008; HG. Brauch: "Securitizing Global Environmental Change", in: Brauch/Oswald Spring/Grin/Mesjasz/Kameri-Mbote/Behera/Chourou/ Krummenacher (Eds.): *Facing Global Environmental Change: Environmental, Human, Energy, Food, Health and Water Security Concepts*, 2009; Brauch/Oswald Spring/Mesjasz/Grin/Kameri-Mbote/Chourou/Dunay/Birkmann (Eds.): *Coping with Global Environmental Change, Disasters and Security*, 2010; H.G. Brauch: *Environment and Human Security. Towards Freedom from Hazard Impacts*, InterSecTions No. 2/2005; H.G. Brauch: *Threats, Challenges, Vulnerabilities and Risks in Environmental and Human Security*, Source, 1/2005; at: <<http://www.ehs.unu.edu>>; S. Dalby: *Security and Environmental Change* (Polity, 2009); J. Lee: *Climate Change and Armed Conflict* (Routledge, 2009); J. Mazo: *Climate Conflict* (IISS, 2010).

## Seminar Plan <[http://www.afes-press.de/html/fu\\_berlin.html](http://www.afes-press.de/html/fu_berlin.html) >

1. 5.11., 14-16.00: **Brauch: Introductory Lecture and Distribution of Seminar Topics**  
**Introduction: Brauch: Climate Change and Security Linkages: PEISOR Model and Securitization of Linkages between the Earth and Human System and the Discourses on Environmental Security Seminar Plan and Structure**
2. 21.02., 8.00-10.00: **Framing: Different policy and scientific positions: dramatizers, opponents, sceptics and empiricists (second introductory lecture and overview)**  
**R-1: Brauch: Reconceptualization of Security: Global Environmental and Human Security Handbook for the Anthropocene**  
**R-2: NN or Brauch: Global discussion after COP 16 in Cancun: Different policy and scientific positions**
3. 21.02., 10.00-12.00: **Causal analyses: Models of interactions between the earth and human system**  
**R-3: Model of Thomas Homer-Dixon (1999): Toronto School on: Environmental Scarcity and Conflict**  
**R-4: Model of Günther Bächler (1999): Swiss School: Environmental Degradation and Stress and Conflicts**
4. 21.02., 13.00-14.30: **Discourse analyses in international organizations: UN, EU, NATO, OSCE**  
**R-5: Climate change and international security: Policy Debate in the UN: SC, GA, SG (2007-2010)**  
**R-6: Climate change and international security: Policy Debate in the EU (2008-2010)**
5. 21.02., 14.45-16.15: **Discourse analyses of selected countries: USA, Germany or UK and India**  
**R-7: Climate change and national security: political debate in the USA (2004-2010)**  
**R-8: Climate change and international security: political debate in a country of your choice: e.g. in India**
6. 21.02., 16.30-18.00: **Scenario analyses: US National Intelligence Council vs. European Commission**  
**R-9: Climate change and national security: Scenarios for the US National Intelligence Council (CIA)**  
**R-10: Climate change and international security: Scenarios for the European Commission (Adelphi Research)**
7. 22.02., 8.00-10.00: **Empirical analyses: different approaches for the Holocene and Anthropocene**  
**R-11: Geography/History: Climate history: natural climate variability in the Holocene (last 12.000 years):**  
**R-12: Geology/climatology: Human-induced climate change in the Anthropocene (since industrial revolution):**
8. 22.02., 10.00-12.00: **Holocene: Collapse of high civilizations in Egypt, China and Mesoamerica**  
**R-13: Natural climate variability: a cause for the decline of civilizations in the Middle East: Egypt, Turkey, Iraq**  
**R-14: Natural climate variability: a cause for the decline of civilizations in China or in Mesoamerica (Maya)**
9. 22.02., 13.00-14.30: **Climatic causes of people's movements and of revolutions (1789, 1848, 1910)**  
**R-15: Natural climate variability in the Holocene: A cause or a trigger for the 'Völkerwanderung' (400-1000 AD)**  
**R-16: Natural climate variability and anthropogenic climate change in the Anthropocene: Analysis of linkages of climatic factors and revolutions: Exemplary discussion of one case in Europe (1789) and Mexico (1910)**
10. 22.02., 14.45-16.15: **Cases of extreme societal impacts of climate change in the Anthropocene**  
**R-17: MunichRe/EMDAT: Statistical knowledge on Extreme Weather Events: Droughts, floods, storms etc.**  
**R-18: Review of societal impacts or a specific case study of your choice**
11. 22.02., 16.30-18.00: **WBGU's four conflict constellations for analysing climate change impacts**  
**R-19: Water-related conflict constellations: degradation of freshwater resources and storm and flood disasters**  
**R-20: Climate-induced decline in food production and environmentally-induced migration**
12. 23.02., 8.00-10.00: **Climate change impacts for small island developing countries (SIDS)**  
**R-21: The physical causes and societal impacts: sea-level rise and their impending disappearance (landlessness)**  
**R-22: The political response: e.g. of the Pacific Small Island Developing Countries in the UN (PSIDS)**
13. 23.02., 10.00-12.00: **Climate change impacts for Mediterranean, Middle East & North Africa (MENA)**  
**R-23: The physical causes and societal impacts: temperature increase, precipitation decline, extreme weather events**  
**R-24: The political response: either by the countries concerned or by the EU or by industry: DESERTEC**
14. 23.02., 13.00-14.30: **Climate change impacts for Sub-Saharan Africa (Sahel, Eastern, Southern Africa)**  
**R-25: The physical causes and societal impacts: based on IPCC: third and fourth assessment reports (2001, 2007)**  
**R-26: The political response: Adaptation and mitigation plan of African Union or of a country of your choice**
15. 23.02., 14.45-16.15: **Climate change impacts for Central, South, South East or East Asia**  
**R-27: The physical causes and societal impacts: based on IPCC: third and fourth assessment reports (2001, 2007)**  
**R-28: The political response: Adaptation and mitigation plan of a regional organization or of a country of your choice**
16. 23.02., 16.30-18.00: **Climate change impacts for Mexico, Central America and the Caribbean**  
**R-29: The physical causes and societal impacts: based on IPCC: third and fourth assessment reports (2001, 2007)**  
**R-30: The political response: Adaptation and mitigation plan of a regional organization or of a country of your choice**

### Conditions for Participation

For a **certificate of participation (Teilnahmeschein)** all participants of the seminar will have to offer: a) an oral presentation of one of the topic listed above and a 1-2 page Abstract (Thesenpapier)  
For those who want to write a **term paper (Hausarbeit)** a **specific topic** may be arranged between the student and the teacher that reflects your learning, curiosity, theoretical and regional interests.



## Information on this and other seminars on the web:

< <http://www.afes-press.de/html/teaching.html> >

and on my download page you find more information at:

< [http://www.afes-press.de/html/download\\_hgb.html](http://www.afes-press.de/html/download_hgb.html) >

## Free Research Bibliography (Springer Link)

The comprehensive bibliographies of the three volume in the Hexagon Book Series that from the **Global Environmental and Human Security Handbook for the Anthropocene** are on the web:

- I: Hans Günter Brauch, Úrsula Oswald Spring, Czeslaw Mesjasz, John Grin , Pal Dunay, Navnita Chadha Behera, Béchir Chourou, Patricia Kameri-Mbote, P.H. Liotta (Eds.): *Globalization and Environmental Challenges: Reconceptualizing Security in the 21 st Century*. Hexagon Series on Human and Environmental Security and Peace, vol. 3 ( Berlin – Heidelberg – New York: Springer-Verlag, 2008).
- II: Hans Günter Brauch, Úrsula Oswald Spring, John Grin , Czeslaw Mesjasz, Patricia Kameri-Mbote, Navnita Chadha Behera, Béchir Chourou, Heinz Krummenacher (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, 2009).
- III: Hans Günter Brauch, Úrsula Oswald Spring, Czeslaw Mesjasz, John Grin , Patricia Kameri-Mbote, Béchir Chourou, Pal Dunay, Jörn Birkmann (Eds.): *Coping with Global Environmental Change, Disasters and Security – Threats, Challenges, Vulnerabilities and Risks*. Hexagon Series on Human and Environmental Security and Peace, vol. 5 ( Berlin – Heidelberg – New York: Springer-Verlag, 2010),

Please go to: <<http://www.afes-press-books.de/html/hexagon.htm>> and use the link to the electronic version of each of these volumes. Please scroll on the left side to **backmatter**, click and download the pdf that contains the list of abbreviations, the bibliography and the biographies of the authors you can search by using the search tools of the acrobat reader.

## Free Access to 270 peer-reviewed chapters of volumes III, IV, V of the Hexagon Book Series through Springer Link

The first two volumes are available at most university libraries and many other libraries in Berlin. Please check by going to: <<http://www.ubka.uni-karlsruhe.de/kvk.html>>. Please type in the book title and as author: <Brauch, Hans> and click under: Deutschland: **KOBV**. Here you find which library holds a hard copy of this book. Please note that all chapters of the handbook are available to faculty members and students of those universities globally that subscribe to Springer Link. Please consult with the OSI Library or with your central university library if they have purchased the package that entitles the free use for all university members.

**Please discuss this with the OSI Library and with the Central Library of the FU and other Libraries in Berlin (Humboldt, Technical University, Potsdam) if this is the case!**

## Deadlines for Submission of Seminar Papers

- **Teilnahmeschein:** Please bring the paper to the last session for my signature.
- **Seminarschein:** please submit your seminar or term paper (following the terms of your Prüfungsordnung on the length) not later than **1 April 2011 (1<sup>st</sup> round)**. Please add a filled-in Seminarschein which I will sign, scan and return it to you as a pdf-document. If you need the original with my signature please send the filled-in original to my address and add a self-addressed envelope with a stamp to where I should send the Seminarschein. If you need a stamp (Stempel) please take the original with my signature to the secretariat of Prof. Miranda Schreurs.
- **There is only one possibility for a late submission until 1 October 2011.**
- **You will receive my response electronically until 15 April or 15 October 2011.**