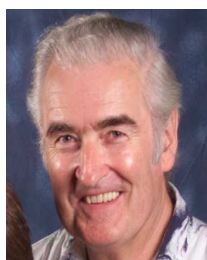




Friday, 9 July 2010, 9:00-10:30, Plenary 6: Global Environmental Change and Human Security

- 9.00-9.05 Chair: Frans Verhagen (USA)
- 9.05-9.25 Hans Guenter Brauch (Germany): **Securitizing Global Environmental Change and Climate Change**
- 9.25-9.45 Ursula Oswald Spring (Mexico): **Sustainable Peace for Coping with Global Environmental Change**
- 9.45-10.05 Navnita Behera (India): **Human Security: Contributions from South Asia**
- 10.05-10.30 Discussion and concluding remark of the chair

Chair, Speakers and Laudator



Frans C. Verhagen, Ph.D., sustainability sociologist, Adj. Assoc. Professor Sustainable Communities, Pace University, NY; President. International Institute of Monetary Transformation (IIMT)



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; he publishes on security and environment issues.



Úrsula Oswald Spring, Professor at National University, Mexico; UNU-EHS chair on social vulnerability; she writes on sustainability, development, gender, disaster, poverty and collaborates with peasants.



Navnita Chadha Behera (New Delhi), Professor at the Department of Political Science, University of Delhi, she publishes on Kashmir, gender, track-two diplomacy and other South Asian security issues.

Biography of the Chair

Frans C. Verhagen (USA), M.Div., M.I.A., Ph.D., is a sustainability sociologist who co-founded Earth and Peace Education Associates International (EPE), one of the first peace education organizations that integrated social and ecological peace within the framework of contextual sustainability. He contributed that framework to the SUNY press anthology “Educating for a Culture of Social and Ecological Peace”, Anita L. Wenden, editor. He has applied that contextual sustainability framework to the international monetary system resulting in the transformative carbon-based monetary standard of the Tierra Fee & Dividend system and in the introduction of the notion of monetary peace.

Contact: gaial@rcn.com;

Website: <www.globapepe.org> and >www.timun.net>

Biographies of the Speakers

Hans Günter Brauch (Germany): Dr. phil. habil, Adj. Prof. (Privatdozent) at the Faculty of Political Science and Social Sciences, Free University of Berlin; since 2005 senior fellow at the *Institute on Environment and Human Security* of the *United Nations University* (UNU-EHS) in Bonn; since 1987 chairman of *Peace Research and European Security Studies* (AFES-PRESS). He is the editor of the *Hexagon Book Series on Human and Environmental Security and Peace* (HESP) with Springer-Verlag, He was guest professor of international relations at the universities of Frankfurt on Main, Leipzig and Greifswald and at the teachers training college in Erfurt. From 1976-1989 he was research associate at Heidelberg and Stuttgart universities, a research fellow at Harvard and Stanford University and he was also teaching at the universities of Darmstadt, Tübingen, Stuttgart and Heidelberg. In 2010 he is teaching at the Free University of Berlin, at SciencePo (Paris), the European Peace University (EPU, Schläining, Austria), the National Autonomous University of Mexico (UNAM) and at the *Institute of Occidental Studies*, National University of Malaysia (UKM), Malaysia.

Publications: He has published 72 books, studies and research reports, 144 book chapters more than 81 articles in journals on security, armament, climate, energy and migration policies and on Mediterranean issues in English and German; 21 book chapters and journal articles were published in 10 other languages, in Spanish, Greek, French, in Danish, Finnish, Russian, Japanese, Portuguese, Serbocroatian and in Turkish; more than 130 internet publications of keynote speeches and conference presentations in German, English and Spanish. His monographs include: (co-author with H. v.d. Graaf, J. Grin, W. Smit): *Militärtechnikfolgenabschätzung und präventive Rüstungskontrolle*, 1997; *Klimapolitik der Schwellenstaaten Südkorea, Mexiko und Brasilien*; *Osterweiterung der Europäischen Union. Umwelt- und Energiepolitik der Tschechischen Republik*, 2000. Books in English: (co-ed. with D.L. Clark): *Decisionmaking for Arms Limitation - Assessments and Prospects*, 1983; (ed.): *Star Wars and European Defence - Implications for Europe: Perceptions and Assessments*, 1987; (co-author with R. Bulkeley): *The Anti-Ballistic Missile Treaty and World Security*, 1988; (ed.): *Military Technology, Armaments Dynamics and Disarmament*, 1989; (co-ed. with R. Kennedy): *Alternative Conventional Defense Postures in the European Theater*, Vol. 1: *The Military Balance and Domestic Constraints*, 1990; Vol. 2: *Political Change in Europe: Military Strategy and Technology*, 1992; Vol. 3: *Military Alternatives for Europe after the Cold War*, 1993; (co-ed. with H.J. v.d. Graaf, J. Grin; W. Smit): *Controlling the Development and Spread of Military Technology*, 1992; (co-ed. A. Marquina): *Confidence Building and Partnership in the Western Mediterranean. Tasks for Preventive Diplomacy and Conflict Avoidance*, 1994; *Energy Policy in North Africa (1950-2050). From Hydrocarbon to Renewables*, 1997; (co-ed. with A. Marquina, A. Biad): *Euro-Mediterranean Partnership for the 21st Century*, 2000; (co-ed. with A. Marquina): *Political Stability and Energy Cooperation in the Mediterranean* (2000); *Liberalisation of the Energy Market for Electricity and Gas in the European Union: a Survey and implications for the Czech Republic*, 2002; (co-ed. with P. Liotta, A. Marquina, P. Rogers, M. Selim): *Security and Environment in the Mediterranean. Conceptualising Security and Environmental Conflicts*, 2003; *Environmental Dimension of Human Security: Freedom from Hazard Impact*, 2005; *Threats, Challenges, Vulnerabilities and Risks in Environmental and Human Security*, 2005; (co-ed. with Ú. Oswald Spring, C. Mesjasz, J. Grin, P. Dunay, N. Chadha Behera, B. Chourou, P. Kameri-Mbote, P.H. Liotta): *Globalization and Environmental Challenges: Reconceptualizing Security in the 21st Century*, 2008; (co-ed. with Ú. Oswald Spring, J. Grin, C. Mesjasz, P. Kameri-Mbote, N. Chadha Behera, B. Chourou, H. Krummenacher): *Facing Global Environmental Change: Environmental, Human, Energy, Food, Health and Water Security Concepts* (2009); (co-ed. with Ú. Oswald Spring): *Reconceptualizar la Seguridad en el Siglo XXI* (2009); (co-author with Ú. Oswald Spring): *Securitizing the Ground – Grounding Security and: Seguritizar la Tierra - Aterrizar la Seguridad* (Bonn: UNCCD, 2009); (Guest co-edit.

with Ú. Oswald Spring and M. Aydin of a special issue of: *Uluslararası İlişkiler / International Relations*, 5,18, Summer Special Issue on “Security” (2009): (co-edit. with Ú. Oswald Spring, C. Tsardanidis and Y. Kinnas: Greek translations of 7 chapters, vol. 3: *Globalization and Environmental Challenges*, in: *Agora*, Spring 2010; (co-edit. with Ú. Oswald Spring, C. Tsardanidis and Y. Kinnas): Greek translations of chapters, vol. 4: *Facing Global Environmental Change*, in: *Agora*, Summer 2010; *Climate Change and Mediterranean Security: International, National, Environmental and Human Security Impacts for the Euro-Mediterranean Region during the 21st Century - Proposals and Perspectives*. Papers IEMed No. 9 (Barcelona: IEMed, 2010).

Address: PD Dr. Hans Günter Brauch, Alte Bergsteige 47, 74821 Mosbach, Germany.

Email: <brauch@afes-press.de>.

Website: <<http://www.afes-press.de>> and <<http://www.afes-press-books.de/>>.

Úrsula Oswald Spring (Mexico), full time Professor/Researcher at the *National University of Mexico* (UNAM) in the *Regional Multidisciplinary Research Center* (CRIM), national coordinator of water research for the National Council of Science and Technology (RETAC-CONACYT), and first MunichRe Foundation Chair on Social Vulnerability at the *United National University Institute for Environment and Human Security* (UNU-EHS) for 2005-2009. She was the founding Secretary General of El Colegio de Tlaxcala; General Attorney of Ecology in the State of Morelos (1992-1994) and National Delegate of the Federal General Attorney of Environment from 1994-1995. As Minister of Ecological Development in the State of Morelos (1994-1998) she planted over 30 million trees, promoted environmental education from childhood on and produced drinking water for the whole population with a reduction of 65% in infant mortality due to water-born illnesses. Between 1998 and 2000, she was President of the *International Peace Research Association* (IPRA) and later General Secretary of the Latin-American Council for Peace Research (2002-2006). She studied medicine, clinical psychology, anthropology, ecology, classical and modern languages and obtained her Ph.D from the University of Zürich (1978). For her scientific work she received the *Price Sor Juana Inés de la Cruz* (2005), the *Environmental Merit in Tlaxcala*, Mexico (2005, 2006); the *Price of Development of the UN* in Geneva. She was recognized as *Women Academic in UNAM* (1990 and 2000); and *Women of the Year* (2000). She works on nonviolence and sustainable agriculture with groups of peasants and women and is the representative for Latin American of *Diverse Women for Diversity*. She has written 45 books and more than 328 scientific articles and book chapters on sustainability, water, gender, development, poverty, drug consumption, brain damage due to under-nourishment, peasantry, social vulnerability, genetic modified organisms, bioethics and human, gender and environmental security, peace and conflict resolution, democracy and conflict negotiation. Among her major publications are: (co-author with R. Strahm): *Why we are so poor?* (translated into 17 languages, 1.5 million copies); *Unterentwicklung als Folge von Abhängigkeit* (Berne: Lang, 1978); *Mercado y Dependencia* (México, D.F.: Ed. Nueva Imagen, 1979); *Piedras en el Surco* (México, D.F.: UAM-X, 1983); *Campesinos Protagonistas de su Historia: la Coalición de los Ejidos Colectivos de los Valles del Yaqui y Mayo, una Salida a la Cultura de la Pobreza* (México, D.F.: UAM-X, 1986); *Estrategias de Supervivencia en la Ciudad de México* (Cuernavaca: CRIM/UNAM, 1991); *Fuenteovejuna o Caos Ecológico* (Cuernavaca: CRIM/UNAM, 1999); (ed.): *Peace Studies from a Global Perspective: Human Needs in a Cooperative World* (New Delhi: Mbooks, 2000); (co-author with M. Salinas): *Gestión de Paz, Democracia y Seguridad en América Latina* (México, D.F.: UNAM-CRIM/Coltlax, Böll, 2002); (ed.): *El recurso agua en el Alto Balsas* (México, D.F.: IGF, CRIM/UNAM, 2003); (Ed.): *Soberanía y Desarrollo Regional. El México que queremos* (México, D.F.: UNAM, 2003); (ed.): *Resolución noviolenta de conflictos en sociedades indígenas y minorías* (México, D.F.: CLAIP, IPRA & Böll Foundation, COLTLAX, 2004); *El valor del agua: una visión socioeconómica de un Conflicto Ambiental* (COLTLAX, CONACYT,

2005); (ed.): *International Security, Peace, Development, and Environment*, Book 39: *Encyclopaedia on Life Support Systems* (Paris: UNESCO - EOLSS, UK, online); *Gender and Disasters* (Bonn: UNU-EHS, 2008); (co-ed. with H.G. Brauch, C. Mesjasz, J. Grin, P. Dunay, N. Chadha Behera, B. Chourou, P. Kameri-Mbote, P.H. Liotta): *Globalization and Environmental Challenges: Reconceptualizing Security in the 21st Century*, 2008; (co-ed. with H.G. Brauch, J. Grin, C. Mesjasz, P. Kameri-Mbote, N. Chadha Behera, B. Chourou, H. Krummenacher): *Facing Global Environmental Change: Environmental, Human, Energy, Food, Health and Water Security Concepts* (2009); (co-ed. with H.G. Brauch): *Reconceptualizar la Seguridad en el Siglo XXI* (2009); (co-author with H.G. Brauch: *Securitizing the Ground – Grounding Security and: Seguritizar la Tierra - Aterrizar la Seguridad* (Bonn: UNCCD, 2009); (Guest co-edit. with H.G. Brauch and M. Aydin of a special issue of: *Uluslararası İlişkiler / International Relations*, 5,18, Summer Special Issue on “Security” (2009); (co-edit. with H.G. Brauch, C. Tsardanidis and Y. Kinnas: Greek translations of 7 chapters, vol. 3: *Globalization and Environmental Challenges*, in: *Agora*, Spring 2010; (co-edit. with H.G. Brauch, C. Tsardanidis and Y. Kinnas): Greek translations of chapters, vol. 4: *Facing Global Environmental Change*, in: *Agora*, Summer 2010; (co-author with I. Sánchez *et al.*, 2010): “Forced migration due to climate change”; in: *Journal of International Migration*; (co-authored with F. Flores *et al.*): *Migración Forzada, Sequía, Género y Vulnerabilidad Social* (Cuernavaca: CRIM-DGAPA-UNAM); (co-ed. with I. Sánchez *et al.*): *Investigación del agua en México* (Cuernavaca: CRIM-UNAM-CONACYT); (ed.): *Water Research in Mexico. Scarcity, Degradation, Stress, Conflicts, Management, and Policy* (Berlin: Springer, 2011).

Address: Prof. Dr. Úrsula Oswald Spring, Centro Regional de Investigaciones Multidisciplinarias (CRIM), National autonomous University of Mexico (UNAM), Av. Universidad s/n, Circuito 2, Colonia Chamilpa, Cuernavaca, Mor. 62210 México.

Email: <uoswald@gmail.com> and <uoswald@servidor.unam.mx>.

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

Navnita Chadha Behera (New Delhi), Professor at the Department of Political Science, University of Delhi, New Delhi. She has earlier served as a Professor of Peace and Conflict Resolution at the Nelson Mandela Centre for Peace and Conflict Resolution, Jamia Millia Islamia, an assistant research professor, Centre for Policy Research and, assistant director, Women in Security, Conflict Management and Peace. Currently, she is an Erasmus Mundus Visiting Professor at the University of Bologna, Italy and the Central European University, Budapest, until July 2010. She has been a visiting fellow at The Brookings Institution (2001-2002) and University of Illinois at Urbana-Champaign (1997-1998). Her books include: *Demystifying Kashmir* (Washington DC: Brookings Press, 2006 - New Delhi: Pearson Education, 2007); (ed.): *Gender, Conflict and Migration* (New Delhi: Sage, 2006); *State, Identity and Violence: Jammu, Kashmir and Ladakh* (New Delhi: Manohar Publishers, 2000); (ed.): *State, People and Security: The South Asian Context* (New Delhi: Har-Anand Publications, 2001); (co-ed with V.A. Pai Panandiker): *Perspectives on South Asia* (New Delhi: Konark, 2000); (co-author with V. Gunawardena, S. Kardar and R.A. Mahmood): *People-to-People Dialogues in South Asia* (New Delhi: Manohar Publishers, 2000); (co-author with Paul M. Evans and Gowher Rizvi): *Beyond Boundaries: A Report on the State of Non-Official Dialogues on Peace, Security and Co-operation in South Asia* (Toronto: Joint Center for Asia-Pacific Studies, University of Toronto, 1997); (ed.): *International Relations in South Asia: Search for an Alternative Paradigm* (New Delhi: Sage, 2007); (co-ed. with H.G. Brauch, U. Oswald Spring, C. Mesjasz, J. Grin, P. Dunay, B. Chourou, P. Kameri-Mbote, P.H. Liotta): *Globalization and Environmental Challenges: Reconceptualizing Security in the 21st Century*, 2008.

Address: Professor Dr. Navnita Chadha Behera, Department of Political Science, Faculty of Social Sciences New Building, 2nd Floor, North Campus, University of Delhi, New Delhi – 110007. *Email:* <navnita.behera@gmail.com>.