

International Climate Change and Vulnerability Conference



12-14 February
2007

Peace Palace,
The Hague,
The Netherlands

Organized by the University for Peace
www.upeace.org

Program Book

Global Challenge
Global Climate Solidarity



University for Peace



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Please visit our conference
website for updates:

www.upeace.org/climate

The Climate Change and Vulnerability Conference addresses the need to build capacities for proactive local leadership to address the risks of climate warming, particularly in vulnerable island and coastal states.

The conference is unique in offering island and coastal representatives a leadership role in the discussion of geographic and cultural realities, coastal and water management issues, disaster preparedness and response, emerging strategies and technologies, and institutional cooperation. In addition, interactive sessions provide opportunities to learn from those addressing climate issues in other geographic areas.

The goals of the conference are to:

- Increase understandings of the risks of climate change and options for adaptation
- Design university curricula that build climate leadership and foster local adaptation
- Develop partnerships among education, research and training institutions

Climate change and sea level rise present complex environmental security risks in every region of the world. For islands and low-lying countries, hazardous conditions include flooding, coastal erosion, salinisation of fresh water resources, loss of biodiversity, drought, and extreme weather events. Communities coping with poverty are particularly vulnerable.

The Netherlands, a low-lying country where flood defense and precautionary measures are the highest in the world, is the host country for this international conference on climate change. This venue offers a preeminent opportunity to exchange experiences and learn from Dutch advocacy, participatory decision-making processes, adaptation measures, and incentives for private sector stewardship.

Focus

Key questions to address during the conference include:

- How to mainstream climate issues and build adaptation capacities through higher education?
- How to integrate adaptation measures within sustainable development projects?
- How to foster the proactive local implementation of adaptation policies?
- How to engage the private sector?
- What are the applied research and evaluation priorities?

For whom?

To enhance local capacities for climate adaptation, distinguished technical experts, policy makers, scholars, and community leaders will engage in a variety of interactive learning activities. The programme includes guest speakers, working groups, panel discussions, networking, opportunities, and resource displays.

08:00 **Field Trip: Adaptation Projects in The Netherlands**
(by invitation only). *International participants visit adaptation projects in the Province of Zeeland to discuss vulnerabilities, ways to assess the changing risks, technical innovations,*

21:00

lessons learned, and public and private sector plans for the future.

Mr. Henk van Schaik, Co-operative Programme on Water and Climate of UNESCO

TUESDAY, 13 FEBRUARY 2007

VENUE: PEACE PALACE, THE HAGUE

08:00 Registration, Welcome Coffee and Resource Displays

and demonstrate ways to engage the government and the public. Dutch realities and cultures are represented.

09:00 **Welcome and Orientation**

In our welcome to Dutch and international participants, we explain the goals of the conference and how it is organized to encourage leadership and active participation.

Professor Bastiaan C. J. Zoeteman, Chairman Alliance for the University for Peace, **Mr. Pieter van Geel**, Dutch State Secretary for Housing, Spatial Planning and the Environment, **Mr. Georges Tsai**, Acting Rector, University for Peace

12:30 Lunch

13:30 **Adaptation in the Pacific Islands**

How to foster the implementation of adaptation measures? With audience participation, Pacific leaders demonstrate how to build local capacities for adaptation to climate change. Local realities and cultures are represented.

Mr. Riibeta Abeta, Kiribati Ministry of Environment, Lands and Agriculture Development, **Mr. Dean Solofa**, Secretariat of the Pacific Regional Environment Programme (SPREP), and conference participants from the Pacific Islands

09:20 **Opening Plenary**

We recognize the key challenges of addressing global climate change through international negotiations and policies.

Mr. Jan Pronk, former Minister of Development Cooperation and Housing, Spatial Planning and the Environment (cabinets of Lubbers and Kok) and former Special Representative of the United Nations Secretary General in Sudan

15:00 Refreshments and Networking

15:30 **Mainstreaming Climate Leadership and Adaptation**

How to integrate adaptation measures within sustainable development projects? We organize into four affinity groups to develop a gallery walk of ideas for building capacities to address vulnerabilities, specifically:

1. Coastal Management: **Mr. Riibeta Abeta**, Kiribati Ministry of Environment, Lands and Agriculture Development, and **Ms. Ellina Levina**, Organization for Economic Cooperation and Development (OECD)
2. Disaster Risk Reduction: **Professor Deolall Daby**, University of Mauritius, and **Professor Wayne Hunte**, University of the West Indies
3. Water and Health: **Dr. Lia Latu Maka**, Secretariat of the Pacific Community, and **Ms. Diane McFadzien**, World Wildlife Foundation
4. Cities for the Future: **Dr. Carol Howe**, SWITCH Programme of UNESCO, and **Ms. Xianfu Lu**, United Nations Development Programme (UNDP)

10:00 **Pacific Island and Dutch Keynote Speakers**

We analyze shared and specific regional and socio-economic issues. From the Pacific Islands, we learn of regional vulnerabilities, coalition building and capacities to adapt. From The Netherlands, we learn of Dutch strategies for promoting multilateral cooperation, including both successes and challenges. After the presentations, the speakers engage with the audience.

Moderator: **Ms. Madeleen Helmer**, International Federation of the Red Cross and Red Crescent Societies
H.E. Enele Sosene Sopoaga, Tuvaluan Ambassador to the United Nations and Vice Chair of the Alliance of Small Island States, **Professor Pier Vellinga**, Director of the Climate Centre of the Free University of Amsterdam and former Chair of the Scientific and Technical Advisory Panel of the Global Environment Facility

17:00 **Wrap Up and Orientation to Day Two**

11:00 Refreshments and Networking

11:30 **Adaptation in The Netherlands**

How to foster the implementation of adaptation measures? We discuss national and international adaptation needs

17:30 **City Hall reception** hosted by **Mayor W.J. Deetman of The Hague** and **Dinner at the Bilderberg Hotel** (Bus transport provided). Dinner Speaker: **Mr. Tom Spencer**, Institute for Environmental Security

21:30

08:30 Welcome Coffee and Resource Displays

15:00 Refreshments and Networking

09:00 **Assessing Sea Level Rise and Vulnerability**

We begin with a scientific assessment of the impact of climate change and sea level rise in developing countries and small island states.

Mr. Rob van Dorland, Royal Netherlands Meteorological Institute (KNMI)

15:00 **Partnerships for Climate Leadership and Adaptation**

We organize into three groups to outline plans for advancing climate adaptation through capacity building that includes higher education partnerships. The groups focus on policy level, technical level, and local level action. Each group then presents concrete steps for addressing climate change and vulnerability to the plenary.

09:30 **Engaging Higher Education**

How to mainstream climate issues and build adaptation capacities through higher education? Using the assessment of sea level impact and the gallery walk of ideas on mainstreaming, stakeholders propose and display features of university curricula designed to build capacities for leadership, local adaptation and sustainable development.

Professor Bill Aalbersberg, University of the South Pacific, **Mr. Ton Bresser**, UNESCO-IHE, **Mr. Fazal Ali**, University of the West Indies, and **Dr. Mary Jo Larson**, University for Peace

1. Local Level Action: **Dr. Bill Aalbersberg**, University of the South Pacific, **Dr. Gillian Cambers**, University of Puerto Rico Sea Grant College Program, and **Mr. Paul West**, Commonwealth of Learning in Canada
2. Technical Level Action: **Dr. Anja de Groene**, Zeeland University, and **Mr. Ton Bresser**, UNESCO-IHE
3. Policy Level Action: **Mr. Fazal Ali**, University Consortium of Small Island States (UCSIS), and **Ms. Janet Strachan**, Commonwealth Secretariat

10:30 Refreshments and Networking

17:00 **Closing Remarks**

Julia Marton-Lefèvre, Director General, World Conservation Union (IUCN)

11:00 **Measures of Capacity Building**

What are the research and evaluation priorities? We discuss measures of capacity building for adaptation and sustainability and suggest indicators of university performance.

Panel Chair: **Mr. Kartikeya Sarabhai**, Centre for Environmental Education

Dr. John E. Hay, University of Waikato

Ms. Diane McFadzien, World Wildlife Foundation

Ms. Janet Strachan, Commonwealth Secretariat

17:30 **Reception and Resource Displays**

18:30

12:30 Lunch

13:30 **Corporate Stewardship and Climate Change**

How to engage the private sector? We learn about corporate initiatives and the features and benefits of corporate social responsibility. With audience participation, we consider private sector incentives for addressing adaptation and sustainability.

Panel Chair: **Mr. Marius Enthoven**, Alliance for the University for Peace

Mr. Daan Dijk, Rabobank

Ms. Annemarie van der Rest, Shell Netherlands

Mr. Tom Vereijken, European Water Partnership

The conference is organized by the University for Peace, whose mission is to address the causes and consequences of conflict, promote cooperation, and lessen threats to world peace, security and development. It is the only institution authorized by the United Nations to grant degrees at the Master's and Doctoral levels in the area of peace and conflict studies. The university now offers eight graduate degrees, including a Master's Degree in Environmental Security and Peace. For additional information, visit our web site at www.upeace.org



University for Peace





HIER (Dutch for 'Here') is the name of a large Dutch climate programme whose fundamental idea is to stress the immediate necessity to implement adaptation projects and initiatives to climate change. HIER introduces a new brand uniting and representing all initiatives that reduce the risk of climate change. This campaign involves not only 38 national charity organizations, but also government and businesses. Eventually, this could be a starting point for an international campaign.

The main issues

World wide environment organizations agree that:

- The public regards climate change as an abstract long term environmental problem rather than as an urgent threat.
- Many initiatives to reduce the risks of climate change already exist, but are not part of a bigger movement.
- There is a lack of public awareness and drive to take action on how they can actually make a difference as an individual.

What we do

The HIER programme takes on board both adaptation to irreversible climate change and prompt attending to the cause of it, because they reinforce, rather than oppose one another. By bringing forth concrete adaptative initiatives on areas like poverty eradication, safety, agriculture, health and environment, the urgency of dealing with environmental problems does no longer become abstract and long term, but concrete and visible. From that the effects of climate change on society world wide will become evident.

What you can do

Initiatives to climate change can easily start close to home. The Netherlands Society for Nature and Environment has presented a top ten list of energy efficient products to choose from. World Wide Fund for Nature introduced the most economical cars and Greenpeace calls up to buy energy efficient light bulbs. And there are many more initiatives! Just check our website.

HIER on radio and tv

HIER runs a broad media campaign on tv, radio and billboards. HIER is featured on the Dutch broadcasting channel Talpa, for instance during the weather forecast.

For more information, please visit www.hier.nu

Venue

The Peace Palace in The Hague is home to a number of international judicial institutions, including the International Court of Justice (ICJ) or World Court, the Permanent Court of Arbitration (PCA), the renowned Peace Palace Library, as well as the The Hague Academy of International Law, which attracts law students from all over the world every summer.

The Palace, the premises on which it stands, and the Library are the property of the Carnegie Foundation. The Foundation encourages the organization of seminars and other initiatives to foster the peace ideal and is part of the international philanthropic network of Carnegie Institutions.

See www.vredespaleis.nl



Bill Aalbersberg
University of the South Pacific



Professor Bill Aalbersberg is Director of the Institute of Applied Science at the University of the South Pacific. The Institute conducts consultancy, project and short-term training and has a large Environment Unit with many projects in community based resource management. It has recently begun projects in climate change adaptation and drama for youth awareness on climate change. It also manages the South Pacific Regional Herbarium which has set up permanent biodiversity plots assessed at 5-year intervals to monitor changes, including due to climate change.

Professor Aalbersberg is originally from the United States (but with a Dutch father) and studied and taught chemistry at Cornell University and University of California at Berkeley before moving to the University of the South Pacific in 1984. His research interests are mainly natural products chemistry, food chemistry and environmental issues.

Riibeta Abeta
Kiribati Ministry of Environment, Lands and Agriculture Development



Riibeta Abeta was originated from Kiribati, one of the Pacific Islands. He was born on the Capital island of Kiribati, Tarawa and attended Primary and High School education also on Tarawa from 1985 to 1998. In 1999, he received a scholarship to study Marine Science and Management at the University of the South Pacific and completed the Bachelors Degree on Marine Science and Management in 2001.

In 2002, Riibeta joined the Fisheries Division working for stock assessment and research, training and aquaculture (Hatchery) sections. In 2003 he joined the Environment and Conservation Department to work with the Enforcement and Compliance Section. In 2004 he was assigned to a Climate Change Section within the Environment and Conservation Department.

Riibeta has attended several trainings and workshops in the region and internationally, including Aquaculture technical training, Environment Management and Sustainable Development, Climate Change Negotiation trainings, Vulnerabilities and Assessment workshops, Climate

Change and Extreme Weather Events trainings, Climate Risk Profile and Log Frame training.

As a member of Kiribati delegations he also attended several regional and international meetings, including the South Pacific Regional Environment Program (SPREP) Annual meeting, the UNFCCC COP 10 in Argentina, and recently the COP 12 in Kenya.

Most of his experience so far is on environment protection & conservation and climate change issues in his country. Riibeta is currently handling climate change issues in Kiribati and also runs a secretariat for the National Climate Change Study Team.

Fazal Ibrahim Ali
University of the West Indies



Fazal Ibrahim Ali is an epistemologist. His work focuses on post-modern pedagogy, knowledge creation and economic theory. He works out of the Office of Research at the University of the West Indies (UWI). He coordinates the activities of the University Consortium of Small Island States (UCSIS) from its Secretariat at the UWI. Climate change and Sea Level Rise head the list of topics on the Research Agenda of the UCSIS. The UCSIS is concerned with the fact that the adverse effects of climate change and sea level rise may threaten the very existence of some small island developing States.

Ton Bresser
UNESCO-IHE



Ton Bresser has his Masters degree in civil engineering (hydrogeology and sanitary engineering) from the Technical University Delft. The first decade of his career he obtained extensive experience in research projects in water use and supply in the Netherlands and abroad including integrated planning of water supply in relation to natural values, economy and other fields of interest.

He then moved to the acid rain research programme in the Netherlands which he guided as secretary for more than 7 years, meanwhile being responsible for the integrated policy oriented modeling projects within this programme. His next assignments have been as head of the Laboratory for Water Materials and Emissions and as head of the Laboratory for Water and Drinking Water Research at

the National Institute of Public Health and Environment.

His last assignments before joining UNESCO-IHE in 2005 were in the field of climate change and water management. He was responsible for some important reports to the government by the Netherlands Environmental Assessment Agency (MNP) on the risks of flooding (Dutch dikes and risks hike), water quality management (from Insight to Transparency) and the Effects of Climate Change in the Netherlands.

He has been a representative of the Netherlands in many European fora on drinking water supply, acid rain research, environmental research programmes and water quality (e.g. Water Framework Directive). He has been the co-organizer of many national and international conferences on acid rain research; on nitrogen and the environment; and on water issues (including virtual water). He is a member of the Netherlands' National Committee for the International Hydrological Programme (IHP).

At UNESCO-IHE Ton is responsible for the inter-core theme climate change and integrated water resources management.

Gillian Cambers
University of Puerto Rico Sea Grant College Program



Residing in the Caribbean region since 1979, Gillian Cambers has worked extensively in the field of coastal zone management in small tropical islands. She was instrumental in establishing the Coastal Zone Management Agency in Barbados in 1982 and she headed the newly established institution between 1983 and 1988. Moving to the British Virgin Islands, she established a new coastal management agency there, the Conservation and Fisheries Department, which she led from 1989 to 1993. She has worked extensively for national, regional and international agencies in the fields of coastal management and sustainable development. Presently living in Puerto Rico and working as an independent consultant, affiliated with the University of Puerto Rico Sea Grant College Program, she has established a regional network for beach management in the Caribbean islands. Since 2000 this network has been expanded to become inter-regional, incorporating islands in the Indian Ocean and Pacific regions, and has focused on involving schools, communities, community-based organizations and non-governmental organizations in beach management in an attempt to put the goals

SPEAKERS

of education for sustainable development (ESD) into practice.

She first became involved in climate change issues during preparations for the Earth Summit held in Rio de Janeiro in 1992 when she played a leading role in developing initial assessments of the vulnerability of Caribbean islands to accelerated sea level rise, and in assessing the impact of global climate change to the eastern Caribbean islands. Since Rio she has worked to integrate climate change adaptation into coastal zone management in small islands, specifically by developing a protocol to accommodate increasing hurricane frequency and sea level rise into coastal planning. She is one of the Review Editors for the chapter on small islands in the Fourth Assessment Report of the International Panel on Climate Change (IPCC), Working Group II: Impacts, Adaptation and Vulnerability, due to be released in April 2007.

Her main future interests in climate change adaptation lie in working with schools and communities in small islands to begin adaptation projects at the local level, and to facilitate the sharing of results between communities and between islands – in an inter-regional context.

Deolall Daby

University of Mauritius



Since three years Deolall Daby is Head of the department of Biosciences, Faculty of Science at the

University of Mauritius and Programme Director of the MSc Sustainable Environmental Management at the University of Mauritius and the University of Technology, Mauritius.

Before that he was Senior Laboratory Technician (Biology/Marine Biology for 15 years) and Lecturer/Senior Lecturer in Marine & Environmental Sciences for 17 years.

He was educated at the University of Wales, UK (MSc, Marine Environmental Protection) and University of London (BSc Hons: Zoology & Botany). He did his PhD on Marine Science – Coastal Processes at the University of Wales, UK and the University of Mauritius.

Currently Dr Daby teaches in Environmental Science, Environmental Protection & Management, Sustainable Development, Global Change, Tropical Coastal Ecosystems, Marine Resources & Pollution.

His research interests include Coastal Biophysical Relationships, Marine Pollution (nutrients, bacterial pathogens, trace metals, etc.), Ecological Disturbance (coral reefs, seagrass beds, lagoons) and

Remote Sensing of Lagoon Habitats & Coastal Change.

Daniel D. Dijk

Rabobank



Before joining the Rabobank in 1999, Daniel worked for almost 20 years in the energy sector as a consultant, project manager and business developer for respectively: the Centre for Energy Conservation (Delft), the Centre for Energy and Environmental Studies (Groningen University), and the Dutch Electricity Generating Board (Arnhem).

Within the Rabobank Daniel presently holds the position of Associate Director in the Corporate Social Responsibility department where he is responsible for business development in the field of Sustainable Energy and Environmental Markets.

In addition Daniel is Director of the Rabo Sustainability Fund, Advisor for the Robeco Sustainable Private Equity Fund, Advisor for the Robeco Clean Tech Private Equity Fund, and Board member of the electronic carbon trading platform New Values.

Daniel studied Chemical Physics at Groningen University (BSc, 1977) and Tel Aviv (MSc, 1980), and has published a.o. on Energy Conservation, Power Expansion Planning, Cogeneration, Renewable Energy Markets and Climate Change.

Rob van Dorland

Royal Netherlands Meteorological Institute (KNMI)



Rob van Dorland is senior scientist at KNMI in the Atmospheric

Research section. He graduated in meteorology at Utrecht University in 1988 and got his PhD at the same university in 1999. From 1988 onwards his research work at KNMI was mainly related to the radiative budget of the earth-atmosphere system. Through this work he became strongly involved in the global warming problem and in the response of the climate system to variable solar radiation and volcanic eruptions.

Besides climate research he informs the Dutch policy makers, non-governmental organizations and the public on issues of climate change. In particular, he is chairman of the Platform Communication on Climate Change (PCCC). PCCC is a collaboration of six Dutch scientific institutes aiming to improve the quality, efficiency and effectiveness of the communication

of the Dutch climate research in all aspects, ranging from the scientific basis to policy options of adaptation and mitigation.

Since 2004 he is a member of the Earth and Climate Council of the Royal Netherlands Academy of Arts and Sciences (KNAW). He is also involved as a lead author in the fourth assessment report of the Intergovernmental Panel on Climate Change (IPCC) working group I. Furthermore, he is editor Meteorology of the popular scientific magazine Zenit.

Pieter van Geel

Dutch State Secretary for Housing, Spatial Planning and the Environment



Pieter van Geel studied town and

country planning at the University of Nijmegen (graduating in 1974).

He went on to work for the Municipality of Helmond, first as a planner but from 1980 as head of the Research, Statistics and Policy Development Department, and from 1988 as town clerk.

From 1987 to 2002 Pieter van Geel was a member of the Provincial Council of North Brabant for the Christian Democratic Alliance (CDA) and from 1995 a member of the provincial executive. He became vice-chairman of the Association of Provincial Authorities (IPO) and in 2002 a member of the House of Representatives of the States General.

Pieter van Geel has also been chairman of the Dutch Organization for Civic Education, a board member of the Forum for Urban Regeneration (FSV), and Senior Vice President of the International Network for Urban Development (INTA).

On 22 July 2002 Pieter van Geel was appointed State Secretary for Housing, Spatial Planning and the Environment in the first Balkenende government on the nomination of the CDA. He was once again appointed State Secretary for Housing, Spatial Planning and the Environment in the second Balkenende government on 27 May 2003.

Anja de Groene
Zeeland University



Anja de Groene studied Economics and Business Administration at Erasmus University Rotterdam. In 1995 she took a PhD at Tilburg University with a thesis on sustainable entrepreneurship. Following graduation she held positions with a regional research bureau and the Open University – among others. In 1987 she joined Tilburg University (Business Administration Department) and Erasmus University Rotterdam (Erasmus Centre for Environmental Science). In these functions she concentrated on education and research into sustainable entrepreneurship. As from September 2000 she has been a fulltime professor in Sustainability and Water at Zeeland University (Hogeschool Zeeland).

Included in the mission of Zeeland University is that it seeks to excel and to position itself in knowledge domains related to water and safety. External factors have also helped the formation of research programmes. Two research programmes have been formulated: on sustainable entrepreneurship (“the sustainable business”) and water (“the sustainable polder”). Ongoing projects were taken into account in crafting these research programmes - as was expertise within Zeeland University and regional developments. The research programmes provide direction for activities around education and research.

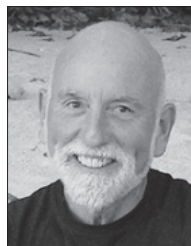
“The sustainable business” research programme focuses on:

- small to medium enterprises: in various sectors (industry, recreation, agriculture, care, etc.);
- sustainable management: strategy and management;
- collaboration: within the chains, at economic zones, with stakeholders;
- energy issues: feasibility and applications.

“The sustainable polder” research programme focuses on:

- recycling: sustainable businesses, water-chains, reuse, desalination;
- growth: freshwater and saltwater agricultural production, including salt aquacultures;
- spatial: recreation, nature, safety, economics, infrastructure, perception, spatial planning.

John E. Hay
Waikato University



John Hay has over 35 years work experience in academia, the private sector and governmental organizations. His work has focused on bringing an interdisciplinary approach to the environmental sciences as well as to technical and policy-relevant assessments, especially in relation to climate variability and change. John is a strong advocate of a risk-based approach to addressing climate variability and change, including extreme events.

In addition to his university responsibilities, John works as a consultant and advisor to many national governments and regional and international organizations, including the United Nations Development Programme, the World Bank, the Asian Development Bank and the United Nations Environment Programme. He is a lead author for the Fourth Assessment being undertaken by the Intergovernmental Panel on Climate Change (IPCC) and was also a lead author for the previous two assessments.

Currently John is Professorial Associate at the International Global Change Institute of the Waikato University, New Zealand, and Visiting Professor at the Institute for Global Change Adaptation Science of Ibaraki University, Japan.

Madeleen Helmer
International Federation of the Red Cross and Red Crescent Societies



Madeleen Helmer is Head of the Red Cross/Red Crescent centre on Climate Change and Disaster Preparedness in The Hague. The RC/RC Climate centre was established in 2002. The mission is to support all 185 RC/RC national societies in better understanding and addressing the risks of climate change, in particular in the context of disaster risk reduction, disaster management and health and care programs.

From 1992-2000 she was the Coordinator of the European Centre on Pacific Issues (ECSIEP). In this context she became aware of the risks of climate change and organized activities like:

- the production of the film “Canary in the Coalmine” (about the impacts of climate change in the Solomon islands and Tuvalu);
- a tour with three ambassadors of SIDS in six European countries, to present the AOSIS-protocol to the UNFCCC;

- co-organization of a hearing in the ACP-EU Joint Assembly about SIDS and Climate change, leading to a special ACP-EU working group on this subject;
- co-organization with the ECDPM, the ACP secretariat and the Commonwealth secretariat of a two days expert group on the vulnerability of SIDS in the context of the ongoing ACP-EU negotiations for a new agreement (the Lome-Cotonou Convention).

At the RC/RC Climate Centre she leads a team of five people organizing activities like two international conferences on Climate Change and Disaster Preparedness with participants from 35 countries (2002 and 2005), and the development of programmes in 20+ developing countries on climate change risk reduction, including two Caribbean and five Pacific countries. Madeleen has been educated at the School of Journalism (1985).

Carol Howe
SWITCH programme of UNESCO



Carol Howe has over 25 years public and private experience in integrated water resource planning and is passionate about transitioning infrastructure and resource use to a more sustainable platform. She is currently with UNESCO-IHE in The Netherlands as Project Manager of SWITCH, an EU funded research program with 32 global partners, working in ten cities to catalyze sustainable urban water management in the “City of the Future”. She has held roles as Director of CSIRO Australia’s Future Cities Program where she managed and directed a global team of researchers whose mission is revitalization of cities through new generation technologies and integrated infrastructure solutions. The team’s focus included high performance green buildings, smart infrastructure, and complex city systems research. Carol has also held roles as General Manager of CSIRO’s Urban Waterscapes program and Manager of Strategic Planning for Sydney Water. Her portfolios have included innovation in greywater, wastewater, stormwater, rainwater, and desalination systems as well as water and contaminant balance modeling, climate change assessment and adaptation, demand management, innovative economic frameworks, holistic risk assessment, social analysis and participation mechanisms, and integration of water with other infrastructure including system transitional strategies.

SPEAKERS

Wayne Hunte

University of the West Indies



Professor Wayne Hunte was trained at the University of the West Indies, Jamaica Campus, and later at Dalhousie University, Canada. He is currently Pro-Vice-Chancellor (Research) at the University of the West Indies. He has supervised more than 50 postgraduate students, and has published more than 100 articles in refereed journals, technical reports and conference proceedings. His research and publications have focused on sustainable use of the marine environment and marine resources, and on behavioral and evolutionary ecology. The outputs of his research have contributed substantially to policy development in fishing industries, in environmental planning and management, and in sustainable development in the Caribbean. Professor Hunte has provided advisory and consulting services to many Government Ministries in the Caribbean, to CARICOM, the World Wildlife Fund, the British Broadcasting Corporation, the Canadian International Development Agency (CIDA), UNEP, the United Nations Global Environmental Facility, and USAID, among many others. Professor Hunte's research and consulting services have ensured that he has achieved significant international recognition in his field, as evidenced by serving on a six-member Personal Advisory Committee to the Director of the United Nations Environmental Programme in Nairobi and New York, by his being awarded the Manuel Noriega Morales Prize by the Organisation of American States for the most outstanding Biologist in OAS countries, and by him being presented to Her Majesty Queen Elizabeth II in recognition of his contributions to marine science in the Caribbean region.

Mary Jo Larson

University for Peace



Mary Jo Larson is the Principal Facilitator for the Climate Change and Vulnerability Conference. She is an interdisciplinary educator with extensive field experience building capacities for peace building and sustainable development. Dr Larson has facilitated the integrated development of conservation programs in Africa, Asia, Central and Eastern Europe, Latin America, the Pacific Islands and the Middle East, including Afghanistan and West Bank. She served as the Director of a Gates Foundation global women's leadership program and Chief of Programming and Training for Asia Pacific Region of the Peace Corps. She has authored numerous manuals and articles on experiential learning, cooperative leadership, and multilateral negotiations. Dr Larson earned her PhD in Conflict Analysis and Resolution from George Mason University and is a Senior Fellow with the University for Peace.

Ellina Levina

Organization for Economic Co-operation and Development (OECD)



Ellina Levina is a climate change analyst at the OECD. Her current work focuses on adaptation to climate change, and, in particular, on national policy frameworks for adaptation in the water sector and coastal zones. Previously, Ms. Levina worked on air quality and climate change mitigation policy issues. She has developed technical papers on climate change mitigation and the Kyoto Protocol mechanisms, and assisted various governments in formulating their national environmental and climate change strategies. Ms. Levina has also contributed to the work of the UNFCCC Secretariat, UNITAR, UNDP, and the European Commission in the areas of climate change and environmental policies. She has been following the climate change negotiations since 1997, and has worked with many countries in assisting them to build national capacity on climate change. Ms. Levina holds Master's degrees in environmental management and in climatology and meteorology.

Xianfu Lu

United Nations Development Programme (UNDP)



Xianfu Lu is a technical adviser on climate change at the United Nations Development Programme (UNDP). Her specific responsibility is to provide technical and policy support on issues related to climate change vulnerability and adaptation to over 130 Parties not included in Annex I to the UN Framework on Convention on Climate Change (UNFCCC) in preparing their National Communications (NCs). NC is a major national process for the production of knowledge and information, and for the strengthening of institutional capacity to facilitate the implementation of the UNFCCC, and the integration of climate change concern into national/sectoral development planning. Prior to joining UNDP, Dr Lu worked at the Tyndall Centre for Climate Change Research (UK) as a senior research associate, where she worked as a mentor for 24 Global Environment Facility (GEF) funded projects in developing countries on the development and application of climate scenarios for vulnerability and adaptation assessments. She also coordinated a major review of key vulnerabilities and adaptation frameworks in the member states of the European Environment Agency (EEA). Being a scientist and a Chinese national, Dr Lu has great appreciation of interdisciplinary approach towards global challenges such as climate change and sustainability. She is also a great believer in the importance of cross-cultural communication, understanding and appreciation for resolving world conflicts. Dr Lu has extensive experience working with individuals from diverse cultural and professional backgrounds. Dr Lu is a LEAD (Leadership for Environment and Development) Fellow and a Coordinating Lead Author (CLA) for the Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment Report (AR4).

Lia Latu Maka

Secretariat of the Pacific Community

Lia Maka is currently Head of the Community Education Training Centre, a section under the Human Development Programme of the Secretariat of the Pacific Community. This is a regional residential training Centre solely for women community workers and leaders from the Pacific region, and covers SPC's 19 member countries encompassing French and US Trust territories.

Dr Maka's doctoral research (graduated in 1996) was on critical literacy and pedagogy from the University of Nottingham, England. She has worked in education in most of her career life and has had valuable experience in curriculum development and assessment, modern and indigenous pedagogies as well as in project evaluation and review of a wide range of donor based community projects to do with sustainable livelihoods, the environment and women empowerment. This is her third year as Head of this Training Centre which runs a 7 months annual integrated community development studies programme adopting hands on, participatory approaches to sustainable livelihoods in communities. The programme offers a range of core, livelihood and technical-vocational courses including an environment module. Gender and cross cutting issues including environmental mitigating strategies are incorporated as per relevant in the various courses.

Dr Maka is based in Suva Fiji where the Centre is located.



Julia Marton-Lefèvre

Director General of the World Conservation Union (IUCN)

Julia Marton-Lefèvre is the Director General of the World Conservation Union (IUCN), the world's leading conservation authority. Ms. Marton-Lefèvre was the Rector of the University for Peace from May 2005 through December 2006. She is also Vice Chair of the World Resources Institute and a member of a number of boards and commissions, including the Board of Directors of the International Institute for Environment and Development (IIED), LEAD International, and the Library of Alexandria. She serves on environmental advisory bodies to the Dow Chemical Company and The Coca-Cola Company. Before her position at the University for Peace, she was Executive Director of



LEAD International whose headquarters were in New York, then in London. Before LEAD, she was Executive Director of the International Council for Science (ICSU), based in Paris. Prior positions have included Programme Specialist in Environmental Education under a joint UNESCO-UNEP Programme, university teacher in Thailand as a Peace Corps Volunteer, and a staff member of the Fund for Education and Peace in New York.

Ms. Marton-Lefèvre has co-authored numerous books and papers. In 1999 she received the AAAS Award for International Cooperation in Science. She is a Fellow of the Royal Geographical Society of the United Kingdom. She studied history, ecology and environmental planning in the US and in France and was born in Hungary.

Diane McFadzien

World Wildlife Foundation

Diane McFadzien was born on the Cook Islands and did her Honors and Masters Degrees in Geography at the University of Otago, New Zealand. She worked as a Policy Officer at the Prime Ministers office of the Government of the Cook Islands (1996-1997). She then became a National Climate Change Coordinator at the National Environment Service of the Government of the Cook Islands (1997-2002). Her main job was coordinating the climate change work of the Cook Islands government, managing the writing of the First Cook Islands National Communications to the UNFCCC (an assessment of how the Cook Islands was likely to be impacted by climate change, put together through a national multi-disciplinary country team), as well as representing the Cook Islands in UNFCCC negotiations.

As of 2002 until June 2006 she was the Regional Climate Change Coordinator of the WWF South Pacific Programme at Fiji where she developed WWF South Pacific's first full time climate change programme which works on issues like awareness raising, development of community based adaptation projects, providing support and training to national government to engage in international climate change processes, etc.

Her current job is at WWF International as an International Policy Coordinator for the Asia Pacific region, focusing on issues related to the UNFCCC.

Diane McFadzien also spent a short time in a consultancy for the UNFCCC (in 2000) working for the Capacity Building team. In 2007 she received the IUCN Woman and Climate Change Award.



Jan Pronk

Former Special Representative of the UN Secretary General in Sudan

After having finished his study economics at the Erasmus

University in Rotterdam, Jan Pronk became research assistant of professor Jan Tinbergen at the same university. In the seventies he became a politician: member of parliament for the Social-Democratic Party (Partij van de Arbeid) and Minister for Development Cooperation. In the first half of the eighties he worked as an international civil servant for the United Nations (UNCTAD) in Geneva.

Thereafter Jan Pronk returned to Dutch politics and became again Minister for Development Cooperation and later Minister of Housing, Spatial Planning and the Environment. He left Dutch politics in 2002 and was appointed as Professor at the Institute of Social Studies (ISS) in The Hague. Until recently he lived in Khartoum as the Special Representative of the Secretary General of the United Nations in Sudan, where he was leading the UN peace keeping operation (UNMIS). Jan Pronk's main professional interests deal with sustainable development and international relations.



Annemarie van der Rest

Shell Netherlands



Annemarie van der Rest graduated from Twente Technical University in Chemical Engineering. In 1978 she joined Shell at the technology department for Refining. After several functions in waste water treatment and gasoline production both at Shells' Central offices in The Hague as at Shells' Pernis Refinery, she joined the Public Affairs department of Shell Netherlands in Rotterdam, as head of the educational liaisons' department.

In 1991 she became Corporate Environmental adviser for Chemicals and Refining, working at the development centre for corporate environmental issues.

From 1994-2000 she was manager Environmental Affairs at Pernis, Shells' Refining and Chemicals complex near Rotterdam. She was a member of several national and international environmental committees both for the Oil and Chemicals industry, covering subjects like: governments relations, ISO 14001 certification, IPPC BAT document for Refining, NOx abatement and the Post Seveso-II directive.

In July 2000 she joined the corporate centre in The Hague, dealing with subjects such as HSE reporting and external verification.

Since April 2003 she is Manager Health, Safety and Environmental Affairs for Shell Netherlands.

Kartikeya V. Sarabhai

Centre for Environmental Education



Kartikeya V. Sarabhai is the Founder-Director of the Centre for Environmental Education (CEE), Managing Trustee of the Nehru Foundation for Development, Ahmedabad, and Chairman of Ambalal Sarabhai Enterprises. Educated at Cambridge University (UK) and MIT (USA), Kartikeya Sarabhai received the "Tree of Learning" award from IUCN (The World Conservation Union) in 1988.

He serves on several national and international committees, boards and trusts and was also Asian Regional Chair of IUCN Commission on Education and Communication. Kartikeya Sarabhai has steered CEE over two decades of exponential growth from a small Ahmedabad based NGO to a major national and international player in the field of Environmental and Sustainability Education with over 40 offices across India and international offices in Australia and Sri Lanka. CEE received India's highest Environmental Award "The Indira Gandhi Paryavaran Puraskar" in 1997 and the Global Award for Outstanding Service to Environmental Education from the NAAEE in 2005. Under Kartikeya's stewardship, CEE hosted the first major international conference of the UN Decade of Education for Sustainable Development at Ahmedabad India.

He has consistently sought to develop a unique profile for CEE as an independent and autonomous organization with a strong relationship with the Government as well as other NGOs in India and abroad. CEE, under his leadership, has developed strong and enduring relationships with numerous partners and collaborating organizations nationally and internationally and continues to break new ground in the range and variety of its innovative materials, projects and programmes. CEE today is the national host of UNDP GEF's Small Grants Program and has also been appointed the Nodal Agency for DESD by the Ministry of Human Resource Development, Government of India.

Kartikeya is currently the Vice Chair of the Indian National Commission & Member of the President's Advisory Board for IUCN. He is a member of the Earth Charter International Council and also the member of the Reference Group for UNESCO DESD Secretariat.

Sible Schöne

Climate Bureau



Sible Schöne is since 2005 coordinator of the National Climate Campaign HERE. This campaign brings together more than 40 Dutch Nature Conservation, Environment, Development and Humanitarian NGOs. The objective is to reduce the risks of climate change, to raise the sense of urgency by using adaptation projects as climate "witnesses", and to reduce emissions by convincing at least one million consumers to take action and to influence government and business policies.

In 1992 Mr. Schöne was Head of the Climate Programme of the World Wide Fund for Nature and contributed to the development of the WWF international climate team. Mr. Schöne is furthermore involved in both national and international policy work and in the development of innovative projects with businesses related to green electricity and energy houses. From 1985 to 1992 Mr. Schöne has been a staff officer with Friends of the Earth Netherlands. During this period he worked on nuclear energy issues and national and local energy policies. From 1986 on he worked on climate change issues. Since the mid seventies he has been involved in several positions in different organizations in Nijmegen, which were at times in combination with volunteer work. These organizations include the Energiewinkel Nijmegen and Stroomgroep Stop Kernenergie Nijmegen, one of the main anti nuclear groups in the Netherlands. The educational background of Mr. Schöne includes a degree in mathematics at the University of Nijmegen, where he graduated in 1979.

Dean Iatison Solofa

Secretariat of the Pacific Regional Environment Programme (SPREP)



Graduating with a background in physics, computing and environmental science from Canterbury University (New Zealand) and the University of the South Pacific (Fiji), Dean first became involved with climate services in working for the national meteorological service in Samoa. After collating a history of the then 100 year old Apia Observatory station and assessing the high vulnerability of historical weather and climate data in a vault, he set about the task of turning around a small data archiving function of the weather

services into a dedicated data management operation to set a foundation for the gradual development of a climate services section. This climate service soon expanded with assistance provided by various regional partners to deliver data and information services, seasonal climate prediction services, and initiating an interaction with media, water, energy/power, and fisheries sectors in the provision of specific climate data and information for their particular needs. Throughout this, a participation in a key institutional strengthening exercise was to prove useful in identifying a way forward for the development of the core services of the NMHS, as well as improving upon the relevance for the existence of NMHS in national development efforts. Turning this focus on to the development of national meteorological services, both as a contributor to national development and fulfilling national duties and requirements, he then moved to the Secretariat of the Regional Environment Programme (SPREP, the Pacific region's inter-governmental environment organization based in Apia, Samoa) to presently manage the Pacific Islands-Global Climate Observing System (PI-GCOS) programme (a component of SPREP's Pacific region climate change programme) as a genuine way forward for the improvement of Pacific NMHS in terms of local operations, and connecting those efforts to a regional and global benefit through an improved global observing system.

**H.H. Enele
Sosene Sopoaga**

Tuvaluan Ambassador to the United Nations and Vice Chair of the Alliance of Small Island States



Ambassador Enele

Sosene Sopoaga is Vice-chairman of the Alliance of Small Island States (AOSIS) and the first Ambassador and Permanent Representative of Tuvalu to the United Nations. He has extensive experience in high-level negotiations on development issues such as climate change and global warming particularly mitigations and adaptation to adverse effects that greatly affect the small island developing States. A Political Economist, he received his Masters in International Relations at the University of Sussex in 1994. Prior to his current assignment, he was his country's Ambassador to China and High Commissioner to Fiji, Papua New Guinea, and Samoa. His work in foreign affairs has also included the cooperation between Tuvalu and the European Union.

Tom Spencer

European Centre for Public Affairs and Institute for Environmental Security



Tom Spencer is Executive Director of the European Centre for Public Affairs and Visiting Professor of Public Affairs at Brunel University, Uxbridge. He worked for Peat Marwick Mitchell & Co and was then Assistant to the Director of the "Britain in Europe" Referendum Campaign in 1975. He worked in the United States Senate and then joined J Walter Thompson & Co where he was responsible for the Guinness advertising. He was Associate Dean of Templeton College, Oxford from 1984-1989 and founding Executive Director of the European Centre for Public Affairs from 1987 to 1989.

Tom Spencer was a Member of the European Parliament for Derbyshire from 1979 to 1984 and for Surrey from 1989-1999. He was Chairman of the Conservatives in the European Parliament (the British Section of the European People's Party Group) during 1994-1997 and Chairman of the EP-Czech Joint Parliamentary Committee for the same period. From 1997-1999 he was President of the European Parliament's Committee on Foreign Affairs, Human Rights and Defense Policy.

As a committed environmentalist he was, from 1995-1999, President of GLOBE International (Global Legislators Organization for a Balanced Environment). He was Chairman of Counterpart Europe (2000-2002), an NGO active in sixty countries. He was a Commissioner of the Commission on Globalization (2000-2003). He was Visiting Professor of Global Governance at the University of Surrey (2000-2004). Tom Spencer is Vice Chairman to the Institute for Environmental Security in The Hague. He is a Director of Action for a Global Climate Community. He is a member of the Conservative Party's Quality of Life Group on Climate Change 2006 -. His books, "Public Affairs and Power: Essays in a Time of Fear", "Everything Flows: Essays on Public Affairs and Change" and "Challenge & Response: Essays on Public Affairs & Transparency" are published by Landmarks.

Janet Strachan

Commonwealth Secretariat



Janet Strachan advises on sustainable development at the Commonwealth Secretariat, working with countries in Africa, Asia, Caribbean, Indian Ocean and Pacific.

She coordinated the Commonwealth Secretariat's strategy for the World Summit on Sustainable Development and has organized Ministerial dialogues on: international environmental governance; globalization and sustainable development; and partnership approaches in the delivery of water and sanitation. She supported preparations for the 2005 Small Island Developing States Summit in Mauritius and has co-authored a Plain Guide to the World Summit on Sustainable Development.

Janet currently chairs the Management Group of ComHabitat, a multistakeholder partnership supporting implementation of the Habitat Agenda, and is elaborating a programme of work on adaptation to climate change.

Georges Tsai

Acting Rector of the University for Peace



Georges Tsai was appointed Acting Rector of the University for Peace on 1 January 2007.

Mr. Tsai joined the Canadian Public Service in 1969, where he was appointed to several positions as an officer and senior executive up to the vice ministerial level. His assignments included the positions of Director of the Official Languages Programmes, Secretary of State Department; Group Chief, Treasury Board; President of the Canadian Industrial Renewal Board; Deputy Secretary of the Treasury Board; Ethics Counselor for the Government of Canada; Assistant Deputy Minister, Citizenship and Immigration Canada; and Senior Visiting Fellow, Canadian Centre for Management Development. He retired from the Canadian Public Service in 2003 to join the UN-mandated University for Peace to successively occupy the positions of Director, Planning and Programme Development, and Vice Rector.

Mr. Tsai is of Chinese, Greek-Turkish, and Italian descent. He was born in Istanbul, Turkey, in 1942. Educated in Switzerland, he received a Bachelor of Commerce degree from Collège St-Michel, Fribourg, a Licence of Political Science from the University of Lausanne, and completed his doctoral courses at the same University.

Pier Vellinga

Climate Centre of the Free University, Amsterdam



Pier Vellinga, presently director of the Climate Centre of the Vrije Universiteit

in Amsterdam, received his MSc in Civil Engineering from Delft University in 1976 on the subject of coastal morphology. His most recent publication is "Tussensprint naar 2015": translated: "Costing and Financing the high water protection works safeguarding the Netherlands from flooding", as chairman of the Advisory Committee installed by the Secretary of State of Transport and Public Works and the Chairman of the Union of Water Boards (December 2006, pp. 69).

Professor Pier Vellinga has a broad experience in doing research with a range of disciplinary sciences. Over time his domain broadened and started to include the social dimensions of global environmental change. He was among the first in the Netherlands and abroad to publish about climate change and its implications

regarding water and energy. Exploring the link between science and society was particularly challenging in his work in the Global Environment Facility, GEF of the World Bank, UNEP and UNDP. While at the Institute for Environmental Studies (IVM) he initiated the Industrial Transformation Project of the Human Dimensions Programme on Global Environmental Change (IHDP/International Council of Scientific Unions). Meanwhile, he was a member of many policy advisory councils, such as the Energy Council (AER), the Advisory Board of the SNS Bank and the Advisory Board of the Chemical Industry (VNCI). In the period 1988-1994 he played an active role in the establishment and governance of IPCC as one of the bureau members.

In 2003 he presented the Erasmus Liga Lecture. Through this invited lecture on "Climate Change and the Safety of the Netherlands" he triggered a national debate on the vulnerability of the Netherlands with regard to flooding and the need to update the Deltaplan. This debate has led to the development of national programmes aimed at improving the understanding of climate change and increasing the resilience of the Netherlands.

Over the years, starting during his work at Delft Hydraulics, then during his job at the Ministry of Housing, Spatial Planning and the Environment, and continued while director at the Institute for Environmental Studies followed by his position as dean of the faculty of Earth and Life Sciences, he was involved in studies on Venice and its Lagoon. In 2004 he became a member of the "Uffizio di Piano", a high level committee of scientists and policy-makers charged by the Italian prime minister to supervise the planning and priority setting of the high water protection and lagoon rehabilitation works in Venice.

At national level he is actively involved in the setting up and management of two major national programmes: "Climate and Spatial Planning" and "Living with Water". In 2005 he was appointed as chairman of the board of the Royal Netherlands Institute for Sea Research (NIOZ at Texel). In 2006 he was elected as chairman of the board of the Foundation for Nature and Environment (Stichting Natuur en Milieu) in Utrecht.

Tom Vereijken

European Water Partnership



Tom Vereijken is Chairman of the European Water Partnership (EWP) and since 2002

elected President of EUCETSA, the European Branch organization for Environmental Technology Suppliers Associations. He is manager European Affairs for the Netherlands Water Partnership and works at the dissemination of new environmental technologies for Paques B.V. in the Netherlands.

Mr. Vereijken has been actively involved in the preparation of the Environmental Technology Action Plan (ETAP) and the formation of the Water Supply and Sanitation Technology Platform, of which he is a board member, as well as leading the thematic pilot group "Sustainable Water Use in Industry". Improving and enabling market conditions for environmental technologies, with emphasis on water issues, are central themes in his activities at both the local and European level.

Tom Vereijken started his professional career in the beverage industry, and soon became involved in the technology of industrial waste water treatment. He transferred to the technology developing company Paques B.V. in 1987. At Paques he worked in different technological positions with emphasis on design and performance of industrial wastewater treatment facilities.

Tom Vereijken received executive MBA-degrees from Nyenrode University (NL) and the University of Rochester (USA) in 1998 and was decorated by the University of Valencia in 1992. He authored multiple publications on new treatment technologies for industrial waste water and was guest Lecturer at the Siebel Institute of Technology in Chicago for over ten years. The European Water Partnership is an independent, non-profit organization, founded by sixteen founding organizations in early 2006 as a reaction to the water challenges facing Europe. Access to safe drinking water and improved sanitation as well as better irrigation infrastructure are pressing needs while at the same time Europe faces more severe floods and draughts.

To be able to solve these problems the EWP aims to find innovative solutions and form innovative partnerships, based on the existing solutions, innovative thinking and great reserves of creativity that already exist in water and related sectors in Europe, but that remain unexploited and sometimes too fragmented. Recent activities of the EWP like the organization of the

first European Policy summit on water in June 2006 and the strong interest in water issues from many actors are certainly creating a high profile for the Partnership and its membership is continuing to grow.

Arnold van Vliet
Wageningen
University



Arnold van Vliet studied Biology at the Wageningen University in The Netherlands. He currently works at both the Environmental Systems Analysis Group of the Wageningen University and the Foundation for Sustainable Development. His main activity within both organizations is the coordination of the Dutch phenological monitoring Network "De Natuurkalender" (Nature's Calendar). Phenology is the study of the timing of life cycle events like the start of flowering or insect appearance. The main objective of De Natuurkalender is to monitor, analyze, predict and communicate the timing of life cycle events in relation with climate change. The network is a consortium with over 10 different organizations and involves over 6,000 volunteer observers and several hundreds of school children. The project is characterized by the integration of a large number of ecological and socio-economic themes including ecological impacts of climate change, human health, nature management, agriculture, and gardening. Furthermore the project integrates expertise, methodologies, and tools ranging from website technologies, Geographic Information Systems, education, communication, stakeholder analysis, modeling, scenario analysis and indicator development.

In addition to the Nature's Calendar network Van Vliet is vice-chair of the COST725 Action "Establishing a European Phenological Data Platform for Climatological Applications". He is also member of the steering committee of the Allergy Consortium Wageningen. He has experience in the organization of several international climate-related conferences, workshops and courses, and has extensive experience in the development of research dissemination materials. More information can be found at: www.natuurkalender.nl (in Dutch), www.dow.wau.nl/msa/epn, and www.cost725.org.

Paul West
Commonwealth of
Learning, Canada



Paul West, originally from South Africa, joined the Commonwealth of Learning in August 2001 as Education Specialist, Knowledge Management and became Director, Knowledge Management and Information Technology in July 2006. His previous post at Technikon SA, in South Africa, saw him setting up the African Digital Library (www.africaeducation.org/adl) which serves users throughout the African continent who have Internet access. His work there also involved developing and implementing models for Information Communication Technology (ICT) Centres. Paul West moved to COL to work on knowledge management issues, including the management of internal knowledge assets and to harness the wealth of knowledge across the Commonwealth, and to make this accessible to those who need it. In this quest, he has created the "COL knowledge finder", a virtual library of about one million documents that are available on the Internet (www.col.org/kf). In his work at COL, he has encouraged the use of open source software where it is appropriate to expand access to learning content, and IT systems to support teaching and learning. COL has a number of tools at its disposal, including a staff Intranet to complement its public website, online collaboration tools and a learning object repository (www.col.org/lor). Paul West is responsible for leading the "Virtual University for the Small States of the Commonwealth" initiative (www.col.org/vussc).

Bastiaan C.J. Zoeteman
Tilburg University
and Alliance for the
University for Peace



Bastiaan Zoeteman is professor at the Faculty of Economics and Business Administration of Tilburg University and former chairman of the Institute for Globalization and Sustainable Development (Globus) at this university (2001-2005). Presently he works at Telos, Brabant Centre for Sustainable Development at Tilburg University.

He chairs the Commission on Genetic Modification, advising the Dutch Minister of Housing, Spatial Planning and the Environment on licenses to introduce genetically modified organisms in the environment. Since 2005 he is a member of the Advisory Council of the Dutch Ministry of Housing, Spatial Planning and the Environment in The Hague.

He was Chairman of the Board of the European Environment Agency (EEA) in Copenhagen, Denmark (2000-2004) and member of the China Council on Environment and Sustainable Development in Beijing, China (1991-2001).

He was Deputy Director-General for the Environment at the Dutch Ministry for Housing, Spatial Planning and the Environment in The Hague (1988-2001). In this period four National Environmental Policy Plans were issued, rooting the "Green Planning" approach in Dutch society.

He was in this period responsible for the diplomatic preparation of the Dutch Presidencies of the European Union Environment Council of Ministers in 1991 and 1997 and participated in many national and international conferences and events on environmental protection and promotion of sustainable development. Included are the International Conventions against the Pollution of the River Rhine, the RIO conference (1992), and the Climate Change Convention and its Protocols.

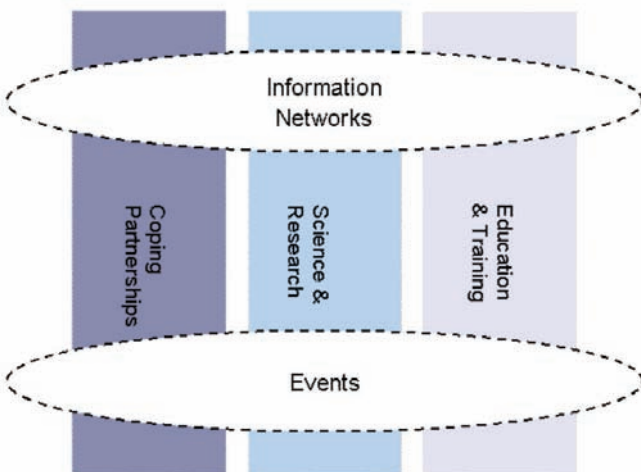
Bastiaan Zoeteman is author of several books on reconciling economic growth and Mother Earth. As of 2002 he is Chairman of the Dutch Foundation "Alliance for the University for Peace".



The Co-operative Programme on Water and Climate (CPWC) was initiated in 2001. Its mission is to promote activities in the water sector that contribute to coping with the impacts of climate variability and change especially for the most vulnerable communities.

CPWC works closely with many international organizations such as the World Water Council, UNESCO, the World Meteorological Organization (WMO), the International Water Association (IWA) and with national organizations including the Netherlands Water Partnership (NWP), the Swedish Water House (SIWI), the Stockholm Environment Institute (SEI) etc.

CPWC supports activities in the following categories:



CPWC has initiated the development of more than 20 “coping partnerships” at basin, regional and national level all over the world, including the Pacific and the Caribbean islands. Each partnership seeks to address climate vulnerabilities that are specific to the location: for some it might be chronic water shortages, others seek ways to cope better with intense precipitation or sea level rise or extreme events.

CPWC also generates useful information for water sector professionals and critically addresses major global policies through its science and research. This portfolio is coordinated by Wageningen University and Research. Publications include:

- Climate changes the water rules: How water managers can cope with today’s climate variability and tomorrow’s climate change, by Kabat and Van Schaik (2003), ISBN 90-327-0321-8
- The film: “The Heat is On, Better Be Prepared”
- The film: “Kitui Sand Dams: Local adaptation to global climate change”
- Manifest on water and climatic risks (World Water Forum 4, Mexico, March 2006): “A plea for climate proofing water development strategies and measures”

The portfolio “Education and Training” is coordinated by UNESCO-IHE. It prepares training materials and training courses in Water and Climate for sector professionals.

The Information section of CPWC facilitates access to information about coping with climate variability and change through its website www.waterandclimate.org, publications, films and articles.

CPWC stimulates action via awareness raising and the organization of events such as the World Water Fora, the World Water Weeks and the UPEACE conference. It initiated the Specialist Group on Water and Climate of IWA, the International Water Association.

More information and contact:

Co-operative Programme on Water and Climate
P.O. Box 3015, 2601 DA Delft, The Netherlands

Phone: +31 (0) 15 2151882

Fax: + 31 (0) 15 2121676

E-mail: cpwc@unesco-ihe.org



In co-operation with the climate emissions offset organizations such as the Climate Neutral Group, UPEACE's conference will be held in a 'climate neutral way'. Climate Neutral Group is committed to tackle global warming by restoring the CO₂ (carbon dioxide) balance in the atmosphere. Global warming poses a serious threat to life on earth. The sea level rises, climate zones shift and diseases will spread faster. This is not doom watching yet reality.

To tackle global warming we need to drastically reduce CO₂ emissions. Unfortunately it is impossible to ban all CO₂ emissions. The next step is compensating unpreventable emissions by planting trees or funding the development of renewable energy resources. Climate Neutral Group encourages organizations to significantly contribute to the reduction of global warming by aiming for a climate neutral business. In that way we realize the biggest ambition of today's society: to keep a healthy and livable planet for next generations.

Since the beginning of the industrial revolution we have considerably influenced our climate. Almost everything we do generates substantial amounts of greenhouse gasses. Activities like traveling or producing consumer goods all need energy resources which cause CO₂ emissions. Especially CO₂ influences global warming.

CO₂ as a warm blanket

When using energy resources like fossil fuel, CO₂ and other greenhouse gasses are released into the atmosphere. The build-up of CO₂ gasses acts like a huge blanket around the earth trapping the heat and causing our atmosphere to warm up. Although this may at first sound like a nice prospect, in actual fact changing climate patterns will have a huge impact on our world in the form of rising sea levels, an increasing number of weather disasters and changing flora and fauna.

Tackling climate change

CO₂ is taken out of the atmosphere by plants & trees growing and storing the CO₂ in their tissue in the form of carbon. A tree actually is a huge storage facility of carbon. On top of that trees also give us Oxygen (the O₂) as a 'by-product' of this storage process.

Thus, forests help us to tackle climate change. Unfortunately the area of forests on our planet is getting smaller and smaller due to deforestation leaving less area to store CO₂. At the same time the amount of CO₂ released into our atmosphere is increasing every year as the earth's population grows and countries use more energy as they develop.

Therefore, Climate Neutral Group plants new trees and protects existing forests in various projects around the world. In this way extra CO₂ will be absorbed from the atmosphere and stored CO₂ will be preserved. In addition to our forestry projects, we also invest in sustainable energy projects and energy efficiency projects. Our goal is to restore the CO₂ balance in our atmosphere.

For more information, please visit www.climateneutralgroup.com

Dutch Postcode Lottery

With the Postcode Lottery you always win together

The Dutch Postcode Lottery is established in 1989 to generate a continuous flow of funds for charity organizations in the area of development cooperation, nature and the environment, human rights and social cohesion in the Netherlands. Fifty per cent of the Dutch Postcode Lottery's stakes are donated to charity. Today the Dutch Postcode Lottery is the biggest charity lottery in the Netherlands and supports 53 charity organizations. Since the start, the lottery has donated over two billion Euros to her beneficiaries.

Thanks to the 2,3 million participants of the Postcode Lottery – with in total over 4,3 million tickets – in 2006 an amount of 216 million Euros has been divided amongst 53 charity organizations in the area of nature and the environment, human rights and development

cooperation. These are, amongst others, Bird Protection Society (Vogelbescherming), the World Wide Fund for Nature, the Dutch Society for the Preservation of Nature (Natuurmonumenten), the United Nations High Commissioner for Refugees (UNHCR), IUCN – Dutch Committee, the Dutch Red Cross, UNICEF, the Clinton Foundation, University for Peace, and DOEN Foundation.



The Dutch Postcode Lottery supports the HIER Climate Campaign. The lottery made available 1 Euro per inhabitant of the Netherlands, meaning that 16,3 million Euros went to this unique joint project.

The HIER Climate Campaign

For inquiries about the Dutch Postcode Lottery visit our website www.postcodeloterij.nl (in Dutch only) or contact Tatiana van Lier from the lottery (Tatiana@postcodeloterij.nl)



is a joint initiative of more than 40 beneficiaries of the Dutch Postcode Lottery. HIER (Dutch for 'Here') is the name of a large Dutch climate program the idea of which is to stress the immediate necessity to implement adaptation projects and initiatives to climate change. See www.hier.nu for more information. ■

The Postcode Lottery helps!



ORGANIZING COMMITTEE

Rolain Borel
University for Peace



Dr Rolain Borel heads the Department of Environment, Peace and Security at the University for Peace. He worked for 12 years in international research centres in Africa and Central America in the development of livestock and agro forestry production systems and for another 12 years as an international consultant for bilateral cooperation agencies on subjects of rural development, social forestry, institutional strengthening and environmental conflict management. In the last 10 years, he has coordinated research and training activities in environmental conflict management involving local communities and he is being involved in mediation between environmental organizations. Dr Borel was trained as an agronomist (Dipl. Ing. Agr. ETH, Zurich), with a specialization in livestock farming (Mag. Sci. IICA, Turrialba, Costa Rica) and further specialization in pasture agronomy (Dr. sc. Tech. ETH, Zurich)

Tom Deligiannis
University for Peace



Tom Deligiannis is an Assistant Professor in the Department of Environment, Peace and Security, working primarily in the Environmental Security and Peace Masters programme at the University for Peace (UPEACE). He is completing his PhD in the Department of Political Science at the University of Toronto, working under the supervision of Thomas Homer-Dixon. His dissertation research is building on the tradition of environmental conflict research at the University of Toronto through detailed field work in Peru, exploring the impacts of human induced environmental and demographic change in Chuschi and Quispillacta, two communities in south-central Ayacucho, in Peru's southern highlands. In addition to his teaching duties at UPEACE, Tom teaches a module on environmental security that is part of the University of Geneva/UNEP's short course on environmental diplomacy. As well, he is the project director of UPEACE's Climate Change and Adaptation project. Tom is currently also a Beattie Fellow at the Trudeau Centre for Peace and Conflict Studies at the University of Toronto.

Marius Enthoven
Alliance for the
University for Peace



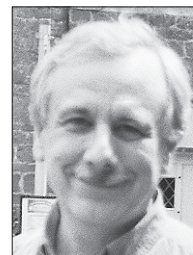
Marius Enthoven holds a Masters degree in Aerospace Engineering from Delft Technical University (The Netherlands). He has worked in the area of environmental protection for some 25 years in various leading positions. He was Director-General at the Dutch Environment Ministry and Director-General for Environment, Nuclear Safety and Civil Protection at the European Commission. He was also extensively involved in multilateral and bilateral international cooperation in the fields of environmental protection and sustainability. His current activities include consulting in the areas of environment, energy and safety for the Dutch government and private industry. He is also on the board of a number of private organizations and charities. In the Board of the Dutch foundation "Alliance for the University for Peace" he acts as the Secretary and Treasurer.

Petra van der Ham
Protipico Project
Management



In 2004 Petra van der Ham started her own company called "Protipico Project Management", based in Rotterdam, The Netherlands. She organizes and manages several events and projects that deal with peace related issues, sustainability, and arts. She works for (a.o.) the Dutch foundation "Alliance for the University for Peace", the Dutch Museum for Peace and Non-Violence, and the Rotterdam "House of Erasmus". Besides this business she set up cultural projects in Rotterdam-North. From 1999-2004 Petra was the managing director of Globus, Institute for Globalization and Sustainable Development, and of Telos, Brabant Centre for Sustainability Issues, both located at Tilburg University. Before that, from 1996-1999, she worked as a project manager at Center for Economic Research, also at Tilburg University. Petra started her career as a physiotherapist. After several years as a private practitioner in Tilburg she moved to Amsterdam to study medical sociology, and in 1992 she did her thesis on the care for homeless people. After her graduation she worked for some years in Utrecht as a researcher in the field of public health, in particular on the care for mentally handicapped and homeless people.

Ronald Kingham
Institute for Environ-
mental Security



Ronald Kingham is a co-founder and Programme Director of the Institute for Environmental Security where he coordinated the organization of the "The Hague Conference on Environment, Security and Sustainable Development" held at the Peace Palace in May 2004. Recent projects include editing the IES "Inventory of Environment and Security Policies and Practices", designing the on-line "EnviroSecurity Action Guide", organizing the GLOBE-EU / IES "Conference on the Greening of Foreign and Security Policy", and supervising the IES project on New Legal Mechanisms to Combat the Illegal Trade in Natural Resources. He is also co-founder and Director of the Environment and Development Resource Centre, where he served as coordinator / editor for the Drafting Committee for "Roots of the Future: Global NGO Conference in relation to the 1992 Earth Summit" and where he co-founded the European Council on Drugs and Development. He is also former Executive Director of the International Coalition for Development Action and has carried out projects for the Environment Liaison Centre, European Partners for the Environment, European Environmental Bureau, the European Commission – DG Environment, and Shell International. In 2000-2001, he was technical advisor to the UNITAR Project: "Who Needs What to Implement the Kyoto Protocol? An Assessment of Capacity Building Needs in 33 Developing Countries". Educated in the US and Europe, he is a political scientist with a specialisation in international relations and European integration. His studies also focused on European history, human rights and development economics.

ORGANIZING COMMITTEE

Mary Jo Larson University for Peace

Mary Jo Larson is the Principal Facilitator for the Climate Change and Vulnerability Conference. She is an interdisciplinary educator with extensive field experience building capacities for peace building and sustainable development. Dr Larson has facilitated the integrated development of conservation programs in Africa, Asia, Central and Eastern Europe, Latin America, the Pacific Islands and the Middle East, including Afghanistan and West Bank. She served as the Director of a Gates Foundation global women's leadership program and Chief of Programming and Training for Asia Pacific Region of the Peace Corps. She has authored numerous manuals and articles on experiential learning, cooperative leadership, and multilateral negotiations.

Dr Larson earned her PhD in Conflict Analysis and Resolution from George Mason University and is a Senior Fellow with the University for Peace.



Jeannette E. Mullaart

Institute for Environmental Security

Jeannette Mullaart is Programme Coordinator of the Environment & Development Resource Centre (EDRC) and Programme Assistant at the Institute for Environmental Security.

In the 1990s she was involved in the organization of conferences and networks for EDRC (and others) in the lead up to - and follow up of - the 1992 UN Conference on Environment and Development, including conferences on "Urban Environment and Development", "Europe's Role in Implementing Agenda 21", "Freshwater Management", and "Asia & Europe: Partners for the Environment". She also helped to set up "CEE-WEB", an NGO network in Central and Eastern Europe for the enhancement of bio-diversity and the conservation of nature.

In 1993-1994 she was as a consultant to UNDP working on the involvement of NGOs in the Black Sea Programme and the Danube Environmental Programme.

In the context of the 2nd World Water Forum in 2000, she organized for European Partners for the Environment a "Hearing on Water Equipment & Materials" and a distinguished writers' panel on "Water as a Common Good" and later assisted EPE in the organization of UNEP's 6th International



High Level Seminar on Cleaner Production (CP6) in Montreal.

In 2004, she worked with the Institute for Environmental Security in the organization of the "The Hague Conference on Environment, Security and Sustainable Development" and continues to assist the IES with a variety of projects within the IES programme on Greening European Security.

She has a Masters Degree from the University of Amsterdam where she specialised in the history of architecture, sociology and development studies.

Henk van Schaik

Cooperative Programme on Water and Climate

Since its inception in 2001 Henk van Schaik is the Co-ordinator of the Cooperative Programme on Water and Climate. His activities include stimulating attention and research to the impacts of climate change upon water systems at national, regional and basin level, the assessment of vulnerabilities at local levels, the preparation of coping measures, and the encouragement of initiatives in water sector policies and organizations. From 1987 till 2001 he was policy advisor on Water for the Ministry of Development Cooperation of the Netherlands Government, which included both policy development and monitoring its implementation. During this period he was extensively involved in global water sector policy discussions, and played a key role in the creation of the Collaborative Council for Water Supply and Sanitation.

From 1995 till 2002 he was a member of the Water Fund of Simavi, a Dutch NGO. In 2004 he created the Dutch NGO Climate Partners, which advises private sector companies including water utilities how to achieve a "climate neutral" footprint. From 1976 till 1987 he worked on rural water supply projects implementation and planning in respectively Malawi and Tanzania. He holds an M.Sc degree in Sanitary Engineering from the Wageningen University.



Georges Tsai

Acting Rector of the University for Peace

Georges Tsai was appointed Acting Rector of the University for Peace on 1 January 2007.

Mr. Tsai joined the Canadian Public Service in 1969, where he was appointed to several positions as an officer and senior executive up to the vice ministerial level. His assignments included the positions of Director of the Official Languages Programmes, Secretary of State Department; Group Chief, Treasury Board; President of the Canadian Industrial Renewal Board; Deputy Secretary of the Treasury Board; Ethics Counselor for the Government of Canada; Assistant Deputy Minister, Citizenship and Immigration Canada; and Senior Visiting Fellow, Canadian Centre for Management Development. He retired from the Canadian Public Service in 2003 to join the UN-mandated University for Peace to successively occupy the positions of Director, Planning and Programme Development, and Vice Rector.

Mr. Tsai is of Chinese, Greek-Turkish, and Italian descent. He was born in Istanbul, Turkey, in 1942. Educated in Switzerland, he received a Bachelor of Commerce degree from Collège St-Michel, Fribourg, a Licence of Political Science from the University of Lausanne, and completed his doctoral courses at the same University.



Bastiaan C.J. Zoeteman

Tilburg University and
Alliance for the University
for Peace



Bastiaan Zoeteman is professor at the Faculty of Economics and Business Administration of Tilburg University and former chairman of the Institute for Globalization and Sustainable Development (Globus) at this university (2001-2005). Presently he works at Telos, Brabant Centre for Sustainable Development at Tilburg University.

He chairs the Commission on Genetic Modification, advising the Dutch Minister of Housing, Spatial Planning and the Environment on licenses to introduce genetically modified organisms in the environment. Since 2005 he is a member of the Advisory Council of the Dutch Ministry of Housing, Spatial Planning and the Environment in The Hague.

He was Chairman of the Board of the European Environment Agency (EEA) in Copenhagen, Denmark (2000-2004) and member of the China Council on Environment and Sustainable Development in Beijing, China (1991-2001).

He was Deputy Director-General for the Environment at the Dutch Ministry for Housing, Spatial Planning and the Environment in The Hague (1988-2001). In this period four National Environmental Policy Plans were issued, rooting the "Green Planning" approach in Dutch society.

He was in this period responsible for the diplomatic preparation of the Dutch Presidencies of the European Union Environment Council of Ministers in 1991 and 1997 and participated in many national and international conferences and events on environmental protection and promotion of sustainable development. Included are the International Conventions against the Pollution of the River Rhine, the RIO conference (1992), and the Climate Change Convention and its Protocols.

Bastiaan Zoeteman is author of several books on reconciling economic growth and Mother Earth. As of 2002 he is Chairman of the Dutch Foundation "Alliance for the University for Peace".

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