"Pathways to Environmental Security"

Chairman's Summary¹ of the Proceedings of The Hague Conference on Environment, Security and Sustainable Development 9-12 May, 2004

Tom Spencer, Chairman
Johannah Bernstein, Rapporteur

•••••

1 June 2004



Conference Secretariat

Institute for Environmental Security
Anna Paulownastraat 103
2518 BC The Hague
The Netherlands
Tel: +31 70 365 1074 / 365 2299

Fax: +31 70 365 1306 / 365 1948 Eml: conference@envirosecurity.org Url: www.envirosecurity.net/conference

The views expressed are not necessarily those of all participants, their organizations, the Institute for Environmental Security, the co-organizers, or the sponsors of the conference.

¹ This summary is presented by the Conference Chairman based on informal consultations with plenary and roundtable session moderators and rapporteurs. A full conference report will be prepared separately.

"Pathways to Environmental Security"

Chairman's Summary of the Proceedings of The Hague Conference on Environment, Security and Sustainable Development 9-12 May 2004

TABLE OF CONTENTS

I. Introduction	2
	<u> </u>
II. Thematic Conclusions & Recommendations	3
A. Diplomacy Theme	3
B. Law and Governance Theme	3 5
C. Finance Theme	8
D. Education Theme	9
E. Science Theme	10
III. Actor-Specific Recommendations	10
A. EU Institutions and Member States	10
B. United States Congress and Administration	11
C. United Nations System	12
O. Office Nations Cystem	'-
IV. General Recommendations on the Environment and Security Challenge	12
ANNEXES	
List of Participants	14
Conference Organising Committee	21
Sponsors	22

I. INTRODUCTION

The political salience of the debate on environment and security has fluctuated since its inception in the 1970s, but has been brought into relevance by the changed security situation since 2001.

There has been an impressive range of academic studies in this area. Nevertheless, the issue has not been sufficiently seriously addressed by military and geo-political strategists, or, in many cases, by the environment and development communities.

The environmental security issue is a multi-disciplinary undertaking requiring both strategic vision and tactical collaboration between ministries, governments, academia, business and civil society. To that end, it is recognised that efforts are needed to define with more precision the nature of the environmental security challenge.

There is a need to renew interest in environmental security and make every effort to put the debate on a firm footing that will lead to practical steps to mainstream the issue in the policies and practices of governments, international organisations, civil society, the private sector and other actors.

The Conference Chairman submits the following conclusions and recommendations as a contribution to the public debate.

II. THEMATIC CONCLUSIONS & RECOMMENDATIONS

A. DIPLOMACY THEME

General Conclusions

Despite the pervasive threat of international terrorism and the terrifying prospect of regional nuclear wars in the 21st century, the reality is that security in this new millennium is not just about protection from external aggression, but also from other threats such as disease, poverty and social exclusion, dispossession, economic shocks, failed states, environmental degradation and resource scarcity.

In his keynote address, Pieter van Geel, State Secretary for Housing, Spatial Planning and the Environment, The Netherlands, highlighted the importance of linking environmental policy to security. He noted the significant humanitarian consequences of serious ecological problems, most notably, climate change and the far-reaching impacts of failure to deal with that challenge. He also asserted the importance of addressing the nature and scope of institutional reform that will be needed to solve the emerging global survival challenges. Mr. van Geel pointed out that current UN reform processes have not adequately addressed the environmental security challenge. While the international community may not be ready for a UN Environmental Security Council, he did maintain that fundamental changes within the UN system were essential. To that end, he suggested that working towards environmental security could form a "bridge between the two extremes of the UN's objectives, namely education and poverty reduction, and Security Council issues."

The issue of the inadequacy of peace and security institutions was also a point taken up in the opening remarks of Professor John McNeill of the Walsh School of Foreign Service at Georgetown University. He asserted that conventional approaches to security based on national sovereignty cannot adequately deal with transboundary conflicts related to the exploitation of natural resources, migration, terrorism, disease or crime. Quite to the contrary, the current system of international relations perversely encourages the "survival of the dirtiest". Mr. McNeill referred to the concept of "security anxiety", which has driven states to devote disproportionate levels of resources towards the prevention of war, through deterrence, and towards preparation for war, which in many cases generates greater impacts than the actual conflicts themselves.

On the role of the EU, State Secretary van Geel recommended that just as the United States introduced the Marshall Plan to assist the financing of Europe's reconstruction after WW II, the EU should be called upon to assist with the environmental reconstruction of its new member states. And in a message from Environment Commissioner Margot Wallström, delivered by Margaret Brusasco-McKenzie, reference was made to the December 2003 European Security Strategy, which refers to security as precondition for development. The EU's Security Strategy also notes that competition for natural resources, which will undoubtedly be aggravated by global warming, is likely to create further turbulence and migratory movements. Ms. Wallström's message further expressed the EU's commitment to further "reflect together on how to ensure an even more integrated approach to environment, security and sustainable development in the enlarged EU and in all our policies worldwide."

While discussion focused on the important links between resource scarcity and security, it was also felt that the wide range of causal factors of resource-related conflicts must be better addressed by the international community. These include for example, the erosion of natural resource-based livelihoods, lack of incentives for sustainable development, excessive resource dependence, corruption, proliferation of small arms and light weapons, lack of economic opportunities, the accelerated population shift from rural to urban areas and the related dispossessed young men who become the ready recruits of militias and terrorism in newly expanded urban centres, and as well, the manipulation of perceptions of injustice by "conflict entrepreneurs" in order to seize power and resources.

Recommendations

- 1. Mainstream environmental security thinking into the military, defence and security debates. Develop a shared analysis of environmental threats both as geo-political problems and stresses undermining the livelihoods of local communities. Require the environment, development, foreign policy, disaster and security policy communities to interact and cooperate to ensure that the environmental security debate is more effectively elevated on the political agenda and in operational practice.
- 2. Ground conflict resolution in the concept of preventive environmental diplomacy and effective and participatory governance of natural resources. Harness "indigenous institutions" for conflict management and engage and integrate local expertise in research as well as project design and implementation. Develop good practice guidelines for engaging with local communities.
- 3. Ensure that security be perceived not just as the absence of threats but the presence and indeed protection of sustainable livelihoods. Address environmental security concerns based on sound early-warning mechanisms. Establish an Environmental Security Plan, modelled on the Marshall Plan, to generate rural livelihoods in the restoration of the environment and thus reduce the risk of conflict.
- 4. Governments should promote participatory forms of environmental security decision-making and should ensure that a public "space" is created where the debate and dialogue on environment and security can be sustained. This should include participation as envisaged by Principle 10 of the Rio Declaration on Environment and Development and the Aarhus Convention.
- 5. Address the negative impacts of globalisation and trade liberalisation in the context of the environmental security agenda, with particular reference to the elimination of agricultural and other perverse subsidies.
- 6. Submit trade agreements to robust Sustainability Impact Assessments (SIAs) to assess how unfair terms of trade may exacerbate security threats.
- 7. Build on the positive examples of collective environmental peace-building around shared water resources. Ensure that technical cooperation is understood as a basis for peace-building. Donor agencies must address environmental security concerns in a broad and comprehensive manner.
- 8. Consider the possible use of the Clean Development Mechanism as a mechanism for linking financial transfer, environmental restoration and the generation of sustainable livelihoods.
- 9. Ensure increased interaction between the scientific community in order to catalyse a dialogue that fosters multidisciplinary research on the linkages between environment and security.
- 10. Increase attention to the special needs of women in the context of environmental conflict and address the causal factors that have led to the growing oppression of women.

B. LAW AND GOVERNANCE THEME

General Conclusions

UN Secretary-General Kofi Annan asserts that global governance reforms are needed to ensure the transition from an "international to a global world". Global governance must accordingly be grounded in a robust, multilateral international legal order. At the same time, good governance is needed to ensure respect for the rule of law and ultimately, implementation of international environmental legal agreements. In that same vein, the Secretary-General of the Permanent Court of Arbitration, Tjaco van den Hout, noted at this conference that collective security requires the collective respect by all Member States for the legal instruments that underpin the international system.

Conference participants unanimously confirmed that humanity faces serious global environmental challenges. A large majority felt that current international institutions are inadequate for the task and confirmed the need for a new approach to global environmental governance. Environmental security concerns demand urgent and swift action beyond conventional measures. Incremental change to existing institutions and human behavioural patterns will not reverse negative environmental trends. In addition to mobilising all possible measures to halt the deterioration of global public goods and life support systems, a fundamentally new mindset must be catalysed along with a common vision for the relationship of humanity to the greater community of life. In this regard, only a multi-scale and multi-dimensional global environmental governance structure can adequately respond to the new global survival challenges. One proposal features the establishment of an information clearing-house, a global environmental "campus" and a series of implementation mechanisms.

On a related point, it is important to elaborate the corpus of international law that governs environmental security disputes. International courts and tribunals often rule that many political disputes involving environmental security concerns are indeed non-justiciable. Moreover, the International Court of Justice has noted that only those disputes "capable of being settled by the application of principles and rules of international law" are justiciable.

Entry into force of and implementation of the existing multilateral environmental agreements (MEAs) is one of the greatest challenges to ensuring respect for the rule of law, and ultimately, the achievement of important substantive goals enshrined in these instruments. To this end, it is important to consider the respective difficulties mobilising political will and the other challenges faced by developing and developed countries in honouring their international sustainable development commitments.

Most, if not all international legal remedies are reserved for States. Consequently, NGOs and individuals that have suffered environmental damages generally have no effective forum for enforcement of their human rights to a clean and healthy environment. Thus, increasing access to justice is a particularly important challenge to environmental security.

Reconciling the desire of developing countries to participate in protection and preservation of the environment through international environmental agreements, and their ability to do so is another important challenge for the advancement of environmental security. To this end, the international community must develop more effective mechanisms for the prevention and resolution of environmental disputes before they become actual conflicts.

Recommendations

- The incentive structure within environmental governance must be improved to ensure that political will is more effectively generated. For example, efforts are needed to improve communication between governments and the relevant international bodies.
- Consider the practicality of an "honest broker" institution to strengthen priority-setting
 processes that can generate specific targets and timetables. These in turn will facilitate
 the matching of the scope and degree of problems and priorities with the relevant actors
 and necessary level of resources.
- 3. Facilitate the development of a stronger sense of mutual interest in global and regional public goods through continuous interaction and communication, focused attention to concrete goals and the clear articulation of priorities.
- 4. A stronger international environmental organisation is critical to ensure effective global environmental governance. The role of UNEP as the environmental centrepiece in the UN system is critical. Further work is needed to assess and maximise the role and functioning of UNEP in terms of its mandate, financing, normative and operational activities. Consideration should also be given to mandating UNEP with a stronger role in the prevention of conflicts over environmental problems. As well, it is critical to examine the role of other bodies within the global governance system and their mandate in the environmental security arena.
- 5. Establish an information clearing-house to perform the critical functions of data collection, verification and comparison and to assess global environmental security trends and risks.
- 6. Enhance the training of the judiciary of developed and developing countries. Legal and judicial capacity building in developing countries requires innovative approaches and partnerships, given the limited financial and human resources available. The UNEP Global Judges Programme and UNDP's Partnership Project with the American Bar Association serve as two important models.
- 7. Promote awareness building of the potential for access to justice to all affected actors, States and non-States alike, through international legal instruments such as the Aarhus Convention and the Espoo Convention. Ensure that domestic courts are made more accessible to individuals affected by environmental harm.
- Strengthen public access, including access to information and participation in decision
 making, as well as access to justice as key elements to strengthening the role of
 international law in advancing environmental security.
- 9. Examine the potential role of the Permanent Court of Arbitration in The Hague in providing conflict de-escalating and confidence building dispute resolution services including fact-finding, conciliation, and arbitration to States and non-States alike.
- 10. Examine new corporate responsibility and accountability mechanisms as well as dispute resolution schemes such as arbitration that levels the playing field. Develop new environmental liability regimes taking into account the UNECE Civil Liability Protocol.
- 11. Focus on the development of preventive instruments for addressing disputes that arise before harm has occurred. Preventive approaches including negotiation, education, capacity building, etc. should be combined with judicial instruments. Compliance procedures can play a major role in ensuring that international legal instruments more effectively promote environmental security.

- 12. Enhance the capacity of MEAs to timely address environmental degradation and thus prevent environmental insecurity causing social tensions and (potential) conflicts.
- 13. Create a "campus" in The Hague for international environmental negotiations, including the Conferences to the Parties to Multilateral Environment Agreements so as to improve communication between governments and other actors, allow for issue linkage, bargaining and better policy coordination.
- 14. Develop improved financing and technology transfer mechanisms as well as flexible and sophisticated monitoring mechanisms to ensure continuous evaluation of achievements and challenges as well as reassessment of goals and objectives.
- 15. The Institute for Environmental Security, benefiting from its base in The Hague, is encouraged to actively promote the application of international environmental law and assist stakeholders in ecological risk situations with access to the body of such law.

C. FINANCE THEME

General Conclusions

The realisation of environmental security goals must be understood in the context of ongoing challenges in the mobilisation of the necessary levels of funding to ensure the realisation of sustainable development goals. There is a serious under investment in alternative energy solutions and in eco-system maintenance and restoration. This eco-investment gap exceeds \$100 billion a year. In this light, efforts are needed to reverse declining ODA flows, accelerate and improve debt relief efforts, strengthen the international financial architecture and ensure that foreign direct investment flows take into account environment and security imperatives. In line with the Monterey process, new and innovative financial mechanisms are needed to provide additional resources for sustainable development.

Efforts are needed to set the political framework to drive economies towards increased resource efficiency. Economic analysis and insurance statistics show an accelerating and unsustainable trend in terms of natural resource use. Markets offer an important financial solution to complex situations. They condense the plethora of information into prices and so enable the efficient allocation of resources. However, at present they are not working for environmental security problems, even when the solution is obvious, as in the case of renewable energy and climate change. This is particularly surprising since renewable energy sources provide many other "security" benefits beyond contributing to the stabilisation of climate, for example, employment, short supply lines, and technology transfer.

The macro-economic reasons for the inability of markets to deliver on environmental security goals are diverse. These include: the difficulty of valuing environmental benefits; the delays in internalising these values and to compare the global economic loss of these services with the benefits of conserving them; the impact of perverse subsidies; and the lack of information on environmental performance.

In addition, there are numerous barriers within the finance sector. Often there is no internal nucleus within financial institutions to take up the cause of renewables. The incentive system (and even performance measures) are short-term. Financial companies are still reeling from the stock market collapse, which has reduced the capital available for investment in the renewables sector.

Nevertheless, a number of new tools have been developed to address these problems. Prediction markets - also called idea or information markets - show promise in dealing with highly uncertain situations (i.e. the entry into force of the Kyoto Protocol) or new markets (i.e. carbon market). Other tools include "eco-insurance", which would generate funds for eco-

investment in proportion to risk, ability to pay, and ecological impact. Moreover, comprehensive natural accounts such as the ecological footprint assist in the tracking of the ecological performance of key actors such as governments or the private sector. This informs investment decisions and enhances the ability to manage them in a way that serves the needs of humanity and the natural environment. Governments can institute such accounts parallel to GDP to strengthen their ability to manage their ecological assets and minimize ecological risks to the economy. Natural accounts can also support analysis of potential conflicts and help set performance targets.

Recommendations

- 1. Reflect the value of ecosystem services in economic activities through taxes, incentives, standards and the removal of perverse subsidies.
- 2. Promote, through regulatory bodies and the private sector, the monetisation of environmental security and the reporting of environmental performance.
- Strengthen the place of environmental management in corporate governance and shift measurement and remuneration systems towards long term goals.
- 4. Governments must set through national budget processes a wide array of meaningful targets for investment in environmental issues.
- 5. Fully implement existing commitments (including the Kyoto Protocol) and introduce policies and measures that reflect financing horizons and minimise policy risk.
- 6. Ensure the shift away from the dependence on fossil fuels and accelerate the use of renewable energy sources.
- 7. Track the ecological performance of state and non-state actors through the development of comprehensive natural capital accounts, such as the ecological footprint.
- 8. Use comprehensive natural accounts to translate the ecological bottom-line condition for sustainability into specific measures by addressing key questions such as how much of the planet's bio-capacity should be preserved, by when should that bio-capacity target be achieved, and what investment levels are necessary to achieve that target?
- 9. Explore the development of legislative, regulatory and voluntary mechanisms that encourage greater disclosure by financial institutions of direct and indirect impacts of cross-border portfolio activities in conflict-prone zones. Develop conflict indicators and conflict assessment tools for the financial services sector.
- 10. Set market incentives for publicly-traded firms that require disclosure of environmental risks and liability.
- 11. Enhance efforts to develop conflict assessment tools for the financial services sector by using indices of risk and natural capital accounts.
- 12. Consider the introduction of financial mechanisms such as eco-insurance, facilitated by complementary fiscal and economic incentives, which has the potential to mobilise necessary investment capital for strategic investment in community-based sustainability programmes.
- 13. Support UNEP-IISD efforts to convene an international expert group of financial institutions, regulators and civil society representatives to further explore the role of financial services in supporting investment in stability.

D. EDUCATION THEME

General Conclusions

The present environmental and security crises raise a number of fundamental questions about the role that educational systems should play. Both informal and formal systems of education must produce a new generation who are capable of dealing more effectively with the new generation of global challenges. Education must promote creative problem-solving and must enhance awareness and engagement in environmental security and sustainable development issues.

As regards the need to enhance public awareness, campaigns should be developed to raise civil society awareness of environment, security and sustainable development issues. These should be community-based and culturally appropriate. The expertise of local users of resources should be recognised and drawn on to inspire and enrich informal educational approaches regarding environment, security and sustainable development issues. It is important to target collaboration with artists, the media, filmmakers, writers, computer game developers and board game makers to inspire the creation of new mechanisms for sensitising society to environmental security and sustainable development concerns.

Recommendations

- 1. Support the United Nations Decade for Education for Sustainable Development as an important opportunity to deepen understanding and awareness about environmental pressures and the need to integrate security concerns. Identify the specific actions needed to strengthen education for environmental security addressing both the needs in the formal and informal sectors.
- 2. Establish an environmental security network to input to the Decade for Education for Sustainable Development. Create a database of organisations who are engaged in education initiatives that focus on environment, security and sustainable development and map out the relevant initiatives. Distance education institutions should collaborate and coordinate to establish a worldwide distance education infrastructure to promote environmental security.
- Promote the Earth Charter as an important tool for promoting the Decade for Education for Sustainable Development.
- 4. Ensure the overall improvement in the quality of leadership at all levels and in all spheres. Undertake case studies to examine what constitutes effective leadership in the sustainability and environmental security domains. Consider how best to strengthen, catalyse and improve the quality of leadership in the promotion of environmental security.
- 5. Develop a thematic stream on "Learning for Environmental Security and Sustainability" for the Distance Education conference that will take place on October 21-23, 2004 under the auspices of the Dutch EU Presidency.
- 6. Develop vocational training approaches to build environmental knowledge capital as important components of life-long learning.
- 7. Encourage the media to provide more and better coverage of environmental security issues as an important mechanism for raising public awareness and engagement.

E. SCIENCE THEME

General Conclusions

The scientific study of ecological systems has advanced considerably in the last thirty years. However, there remain considerable knowledge gaps in humanity's understanding of the natural world, let alone the link between resource scarcity and degradation and conflict. The open exchange and wide application of new knowledge is essential to the achievement of environmental security. Of particular importance is the need for independent scientific research on the key drivers of environmental conflict.

Recommendations

- 1. Promote scientific research and development on environmental security problems in all countries, especially the developing countries. Address the potential impacts on human well-being of ecosystem change and consider the current vulnerability of populations affected and their potential adaptive capacities.
- 2. Strengthen endogenous capacity-building for environmental security through exchanges of scientific and technological knowledge and enhance the development, adaptation, diffusion and transfer of new and innovative technologies.
- 3. Promote the preservation and dissemination of indigenous knowledge especially as regards linkages between environment and security.
- 4. Make better use of available data from space and remote sensing technologies. Ensure that remote sensing is used to facilitate environmental security and especially for the development of operational monitoring of potential conflict zones. Promote the use of remote sensing data together with socio-economic and political data layers and ensure their access on the internet to promote transparency.
- 5. Mobilise increased funds to facilitate the access of important data that is within the public domain. To this end, develop special agreements between the suppliers and users of data where data can be acquired free of charge or at minimal costs.

III. ACTOR-SPECIFIC RECOMMENDATIONS

While the conference endorsed the 'Horizon 21' integrated approach to the five themes outlined above and involving action by all stakeholders and all countries, it was felt useful at this stage of the debate to make certain specific recommendations to the EU, USA and the UN System.

A. THE EU INSTITUTIONS AND MEMBER STATES

- 1. Urgently address the environmental security aspects of EU enlargement and assess the environmental security situation in the European Union's "new neighbours".
- 2. Close the credibility gap between the EU's rhetorical leadership on sustainable development and actual implementation.
- 3. Strengthen the work of the Green Diplomacy Network and add a specific environment and security aspect to its work.
- 4. Promote linkages between EU Security and External Dimension Strategies. Efforts should be directed towards integrating the EU Security Strategy (A Secure Europe in a Better World) with the EU External Dimensions Strategy (Global Partnership for

- Sustainable Development) in combination with the review of the EU Sustainable Development Strategy.
- 5. Integrate the security dimension in the EU Water and Energy Initiatives. The EU's two WSSD partnership initiatives on water and on energy should better reflect the environmental security dimensions.
- 6. Promote the EU's successful river basin approach to other environmental challenges.
- Consolidate EU legislation on conflict diamonds and explore its application to other examples of the trade and conflict nexus.
- 8. Use the adoption of the European Constitution, with its new initiatives on issues of foreign and security policy, to take advantage of this unique opportunity to mainstream the concepts of environmental security in European strategic thinking.
- Invite the sixth European Parliament, elected in June 2004, to make the relationship between environment and security issues a central theme of its work in the period 2004-2009.
- 10. The Member States of the European Union should seize opportunities for working though established institutions to introduce environmental security into the water, energy and trade subsidies discussions and should seek to build ad hoc coalitions in the WTO, World Bank, etc. using the opportunity presented by the G8 and recognizing that, while international treaties are desirable, joint programmes of joint action with the United States and other developed countries may be easier to achieve in the immediate future.

B. THE UNITED STATES CONGRESS AND ADMINISTRATION

- 1. Promote pragmatic collaboration with European nations and other G8 partners.
- Promote military-to-military exchange on environment and security issues with an initial concentration on dealing with post-Soviet toxic sites and intensifying actions under the Nunn-Lugar CTR programme
- 3. Ensure that the next US National Security Strategy focuses on the environmental security aspects of failed and failing states and significantly increase and further strengthen US AID programmes that reflect this priority.
- 4. Intensify US involvement in transboundary water issues in the context of the World Bank and the United Nations, etc.
- 5. Give further attention to the environmental security aspects of US policies on transparency, governance and anti-corruption measures.
- 6. Ensure that US commitments to the Millennium Development Goals (MDGs) and the work of the Millennium Challenge Corporation are fully funded and directed towards those states that face the most urgent environmental security problems and explore the potential for collaboration with the European Union in this context.
- 7. Recognise that environmental security is a global imperative with direct impact on the interests of the United States. In the words of Colin Powell, "Sustainable development is a compelling moral and humanitarian issue, but it is also a security imperative. Poverty, environmental degradation and despair are destroyers of people, of societies, of nations. This unholy trinity can destabilise countries, even entire regions."

- 8. Encourage the further development of public-private partnerships and the application of US business expertise in the service of environmental security issues.
- 9. Fund further research on the national security implications of global warming as examined by the recent Pentagon-commissioned report.
- 10. Encourage jurisdiction of US courts under the Alien Tort Claims Act for international environmental and human rights abuses occurring outsides the United States.

C. THE UNITED NATIONS SYSTEM

- 1. The incentive structure within environmental governance must be improved to ensure that political will is more effectively generated. For example, efforts are needed to improve communication between governments and the relevant international bodies.
- 2. A stronger international environmental organisation is critical to ensure effective global environmental governance. The role of UNEP as the environmental centrepiece in the UN system is critical. Further work is needed to assess and maximise the role and functioning of UNEP in terms of its mandate, financing, normative and operational activities. Consideration should also be given to mandating UNEP with a stronger role in the prevention of conflicts over environmental problems.
- 3. Promote conflict-sensitivity in the work of all international organisations and ensure that efforts are directed towards the establishment of environmental security prevention mechanisms and the strengthening of methodologies for environment and security assessment and monitoring. The Peace and Conflict Impact Assessment tool should be more regularly used in UN peace-keeping activities and in the exercise of the responsibilities of the UN Security Council.
- 4. The UNEP/UNDP/OSCE Environment and Security Initiative is an important model of cooperation that should be emulated.
- 5. Develop legal instruments open to all actors potentially affected by environmental insecurity, giving such actors recourse to dispute resolution procedures and to seek redress in national or international forums.
- 6. Develop methodologies for assessing the potential environmental security impacts generated by economic globalisation.
- 7. Establish a database of NGOs working on environmental security, building on the UN Department of Economic and Social Affairs (DESA) data base on work in the sub-Saharan region.

IV. GENERAL RECOMMENDATIONS ON THE ENVIRONMENT AND SECURITY CHALLENGE

- 1. Promote a common vision and language to support a new approach to environmental governance at global, regional and national levels.
- 2. Work toward replacing the overriding culture of violence and conflict with a new culture of peace. Strengthen and democratise institutions of peace and security to better respond to and prevent violence, war and conflict. Develop at all levels and in all spheres of life, a complex of attitudes, values, beliefs and patterns of behaviour that promote the peaceful settlement of conflict and the quest for mutual understanding, and opportunity for

individuals to live harmoniously with each other and the larger community of life.

- 3. Promote a new form of political leadership in the new millennium. World leaders must recognise that the new path to peace and sustainability into the 21st century requires a fundamental change in the culture of conflict and a change in the way humanity relates to the greater community of life. Leaders must have the moral courage to transcend narrow national self-interests and recognise that new global survival problems are only resolvable through multilateral channels in a true spirit of global solidarity.
- 4. Commit all countries to multilateralism as a necessary pre-condition for the achievement of international environmental security and to enhancing the capacity of the developing world to fully take part in this debate.
- 5. Recognise the weight of oppression that women have faced in conflict situations throughout history, acknowledge our personal responsibility as equal members of the human family and affirm that the elimination of the modern forms of oppression faced by women involves redressing the factors that dispossess and disorientates young men caught up in the population shift from the land; and, therefore, promote an Environmental Security Plan built around the concept of the "Livelihood Conflicts Approach".
- 6. Invite the launch of a new NATO Committee on the Challenges of Modern Society (CCMS) study on environment and security linkages in the 21st century, recognizing that success in mainstreaming the debate requires the equal involvement of the environment, development, foreign policy and military communities.
- 7. Recognize that mainstreaming, which Norman Myers refers to as the 'meta-problem of environmental security', requires an intensification of the academic debate, re-doubling efforts to integrate disciplines, broaden the research constituencies, work with researchers from affected countries and study the interactions between stresses and outcomes and to build on the UNEP sponsored meeting at the Woodrow Wilson Institute, held in December 2003, by convening a follow-up in the near future.
- 8. Recognize the urgent need to assemble a body of work that defines environmental security in different political cultures and different languages which is essential if we are to move from academic thought to political action.
- 9. Encourage individuals and participating organisations to build upon the results of this conference to devise and implement a follow-up action plan and further resolve to meet again to review progress in The Hague, the global capital of Justice.

THE HAGUE CONFERENCE ON Environment, Security and Sustainable Development

The Peace Palace, The Hague, The Netherlands 9 - 12 May 2004

List of Participants

Dr Emad ADLY

General Coordinator

Arab Network for Environment and

Development

Egypt

Ms Meredith ALEXANDER

Head of Campaigns

People & Planet

UK

Dr Saleem ALI

Assistant Professor

Environment and Natural

Resources

University of Vermont

USA

Mr Patrick ALLARD

Adviser

Policy Planning Staff

Ministry of Foreign Affairs

France

Dr Agni ARVANITIS VLAVIANOS

President and Founder

Biopolitics International

Organisation

Greece

Mr John ASHTON

CEO

E3G: Third Generation

Environmentalism

UK

Mr Sirodzhiddin ASLOV

Chairman

Executive Committee

International Fund for saving the

Aral Sea

Tajikistan

Mrs Rosalinda BACOSA

Project Director

Palawan Tropical Forestry

Protection Programme

Palawan Council for Sustainable

Development

The Philippines

Ms Rosario BENTO-PAIS

Administrator

DG Environment

European Commission

Belgium

Ms Johannah BERNSTEIN

International Environmental

Lawyer

Johannah Bernstein and

Associates

Belgium

Dr. Deniz BETEN

Head of Section T&C

PD Division

NATO

Belgium

Drs Esther BLOM

Member

Working Group Ecology and

Development

The Netherlands

Ambassador Ton BOON von

OCHSSEE

Ambassador for Sustainable

Development

Ministry of Foreign Affairs

The Netherlands

Mr Rajeb BOULHAROUF

Coordinator

External Relations and Public

Information Unit

UN Convention to Combat

Desertification

Germany

Mr Duncan BRACK

Associate Fellow

Royal Institute of International

Affairs

UK

PD Dr Hans Guenter BRAUCH

Chairman

AFES-PRESS

Germany

Mrs Margaret BRUSASCO-MACKENZIE

Member

Green Globe Network

Belgium

Ms Francesca Chantal

CAPOSTAGNO

Intern

Coalition for the International

Criminal Court

The Netherlands

Mr Alexander CARIUS

Managing Director

Adelphi Research gGmbH

Germany

Mrs Annica CARLSSON

OSCE Environmental Officer
Office of the Co-ordinator of

EEA OSCE Austria

Mr Paul CLEMENTS-HUNT

Head of Unit

Finance Initiative

UNEP

Switzerland

Mr James COOKE

IT & Design Consultant

jcITconsulting

UK

Dr Fayen D'EVIE

Special Assistant to the Rector for Programme Development

University for Peace

Costa Rica

Dr Geoffrey D. DABELKO

Director

Environmental Change and

Security Project

Woodrow Wilson International

Center for Scholars

USA

Dr Andreas DALLY

Director of Studies

Loccum Protestant Academy

Germany

Mrs Irene DANKELMAN, M.Sc.

Senior Advisor SD

Head Sustainable Development

University of Nijmegen and

WEDO

The Netherlands

Mr Eric DANNENMAIER

Director

Institute for Environmental Law

and Policy

Tulane University

USA

Mr Yvo de BOER

Director

International Environmental

Affairs

Ministry of the Environment

The Netherlands

Drs Guido de GRAAF BIERBRAUWER

Coordinator

Lobby and Communication Unit

European Centre for Conflict

Prevention

Netherlands

Mr Tom DELIGIANNIS

Doctoral Candidate

Political Science

University of Toronto

Canada

Dr Andrew DLUGOLECKI

Principal

Andlug Consulting

UK

Mr Juan DUMAS

Director General

Fundacion Futuro

Latinoamericano

Ecuador

Ms Christina EDLUND

Research officer

FOI NBC-protection

Sweden

Drs Doeke EISMA

Chair

IUCN Netherlands

The Netherlands

Mr Mersie EJIGU

President & Chief Executive

Officer

PAES

Uganda

Mrs Elizabeth EVANS

Desk Officer

Environmental Policy

Department

United Kingdom Foreign & Commonwealth Office

UK

Dr Alexander FEDOROV

Council Chairman

Centre for Environmental

Initiatives, NGO

Russia

Prof John FORGACH

McCluskey Fellow

School of Forestry &

Environmental Studies

Yale University

USA

Dr Chris GEERLING

Chairman

Working Group Ecology and

Development

The Netherlands

Ms Silvia GIADA

Professional Officer

DEWA

UNEP

Kenya

Ms Dari GLASS-ROYAL

Executive Director

Foundation for Environmental Security and Sustainability

USA

Mr Harris GLECKMANN

Chief

New York Office of UNCTAD United Nations Conference on

Trade and Development

USA

Mr Alexander GRITSININ

Project Manager

OECD

France

Mr Pekka HAAVISTO

Chairman

Post Conflict Assessment Unit

UNEP

Switzerland

Mr Abey HAILU SENBETA

Researcher

Development

LIEIS

Luxembourg

Ms Kate HAMPTON

GGN Convenor

Green Globe Network

UK

Dr Victor HENNY

Founder

Global Solutions Initiative

UK

Ir Jan HENSELMANS

Senior Policy Officer, Global

Environmental Affairs

The Netherlands Society for

Nature and Environment

The Netherlands

Prof Ellen HEY

Chair of Public International Law

Faculty of Law

Erasmus University Rotterdam

The Netherlands

Ms Maartje HILTERMAN, MSc

Secretary

Working Group on Environment

& Development

NC-IUCN

The Netherlands

Ms Amy HINDMAN

Legal Adviser to the Executive

Director

UNEP

Kenya

Dr Ir Dirk H. HOEKMAN

Scientific Director / Associate

Professor

SarVision / Wageningen

University

The Netherlands

Mr Robert HULL

Director

European Economic and Social

Committee

Belgium

Ms Jeanna HYDE HECKER, MSc

Researcher

IES

The Netherlands

Ms Maria IVANOVA

Project Director

Global Environmental

Governance Project

Yale University

USA

Dr Anders JAGERSKOG

Deputy Secretary

Expert Group on Development

Issues

Ministry for Foreign Affairs,

Sweden

Dr Paul JEFFERISS

Head of Environmental Policy

Royal Society for the Protection

of Birds

UK

Dr Patricia KAMERI-MBOTE

Senior Lecturer

Private Law

University of Nairobi

Kenya

Mr Ronald A. KINGHAM

Deputy Director

Institute for Environmental

Security

The Netherlands

Dr Yannis KINNAS

Senior Fellow

ICTSD Geneva

Greece

Dipl-Ing Annika KRAMER

Research Fellow

Adelphi Research gGmbH

Germany

Ms Helen KUYPER

Intern

Coalition for the International

Criminal Court

The Netherlands

Prof Dr Henricus LEEMANS

Professor

Environmental Systems

Analysis

Wageningen University

The Netherlands

Mr René LEFEBER

Legal Advisor

Legal Department

Ministry of Foreign Affairs, The

Netherlands

The Netherlands

Dr Gottfried LEIBBRANDT

Chairman

EuroCampus Institute

The Netherlands

Ms Hongxia LIU

Director

ABA/UNDP International Legal

Resource Center

American Bar Association

USA

Mr Steven LOVINK

President

TransGlobal Ventures, Inc.

USA

Amb Frank E. LOY

Former Under Secretary for

Global Affairs

U.S. Department of State

USA

Mr Peter LUFF

Director

Action for a Global Climate

Community

UK

Dr Helen MARQUARD

Head of Europe Environment

Division

Environmental Protection

Strategy Directorate

Department for Environment,

Food and Rural Affairs

UK

Ms Julia MARTON-LEFEVRE

Executive Director

LEAD International

UK

Mr Kenneth McCALLION

Attorney

McCallion & Associates LLP

USA

Ms Susan Wallace McCALLION

Executive Director

McCallion & Associates LLP

USA

Prof John McNEILL

Professor of History and

Environmental Affairs

School of Foreign Service

Georgetown University

USA

Prof Dr Andjelka MIHAJLOV

Expert on Environmental

Management and Environment

Former Minister

University of Novi Sad

Serbia and Montenegro

Mrs Sylvie MOTARD

Liaison Officer to the EU

Regional Office for Europe

UNEP

Belgium

Drs Jeannette E. MULLAART

Programme Officer

EU Office

Environment & Development

Resource Centre

Belgium

Ms Isabel MUNILLA

Development Coordinator

Global Forest Watch

World Resources Institute

USA

Prof Dr Frans A. NELISSEN

Director

T.M.C. Asser Instituut

The Netherlands

Dr Leif OHLSSON, PhD

Researcher

Dept. of Peace & Development

Research

Goteborg University

Sweden

Mr Derek OSBORN

Chair

UNED/UK

UK

Prof Marc PALLEMAERTS

Senior Research Fellow

Institute for European Studies

Vrije Universiteit Brussel

Belgium

drs Ben PAPENDORP

Lobbyist

The Hague Facility for Nature

and Environment

The Netherlands

Ms Anu PARMANEN-LANDTMAN

Counsellor

Department for Global Affairs Ministry for Foreign Affairs of Finland

Ms Sonia PENA MORENO

Junior Professional Officer

Policy, Biodiversity and

International Agreements

IUCN- The World Conservation

Union

Switzerland

Ms Lindsey POWELL

Research Assistant

Global Environmental

Governance Project

Yale University

USA

Mr Nigel PURVIS

Senior Scholar and Director

Environment and Energy Project

The Brookings Institution

USA

Mr Dane RATLIFF

Legal Counsel

Permanent Court of Arbitration

The Netherlands

Mr Michael RENNER

Senior Researcher

Worldwatch Institute

USA

Dr Alfred REST

Academic Director

Institute for Public International

Law

University of Cologne

Germany

Dr Jake REYNOLDS

Assistant Director

Programme for Industry

University of Cambridge

UK

Dr Martin ROCHOLL

Director

Friends of the Earth Europe

Belgium

Ms Léna SALAMÉ

Project Coordinator

Division of Water Sciences

UNESCO

France

Mr Oliver SCHAEFER

Policy Advisor

European Renewable Energy

Council

Belgium

Mr Fritz SCHLINGEMANN

Director

UNEP Regional Office for

Europe

Switzerland

Prof Dr Wolfgang SCHLUCHTER

University-Professor

Environmental Science

University of Cottbus

Germany

Mr Urs SCHMID

Head of International Security

Section

Centre for International Security

Policy

Federal Department of Foreign

Affairs

Switzerland

Ir Vincent SCHUT

Remote Sensing Specialist

SarVision BV

The Netherlands

Dr Emile SERVAN-SCHREIBER

CEO

NewsFutures.com

France

Mr Ray SIMMONS

Executive Director

Foundation for Environmental Security and Sustainability

USA

Maj Gen (ret) Joseph SINGH

Executive Director

Conservation International

Guyana

Mr Scott SPENCE

HSP Hague Researcher Org for the Prohibition of

Chemical Weapons The Netherlands

Mrs Liz SPENCER

Director

The European Connection

UK

Mr Tom SPENCER

Executive Director

European Centre for Public

Affairs

UK

Mr Barry SPERGEL

International Lawyer and

Environmental Financing

Consultant

USA

Mr Jeff STARK

Director of Research and

Studies

Foundation for Environmental Security and Sustainability

USA

Mrs Elke STEINMETZ

Advisor

Division for Nature

Conservation/Sustainable Use

Federal German Ministry for the

Environment

Germany

Mr Jakob STROM

Head of Section

Div for International Affairs Ministry of the Environment

Sweden

Mr Jason SWITZER

Sr Project Officer

IISD

Switzerland

Mr Bert-Axel SZELINSKI

Head of Division

German Federal Ministry for the

Environment, Natur

Germany

Prof Attila TANZI

Professor

Faculty of Laws

University of Verona

Italy

Mr Jaco TAVENIER

Policy Advisor

International Environmental

Affairs

Ministry of the Environment

The Netherlands

Dr Katsuaki TERASAWA

Associate Director

Croft Institute for International

Studies

USA

Mr Steven VAN HOOGSTRATEN

General Director

Carnegie Foundation

The Netherlands

Prof Dr Rietje VAN DAM-MIERAS

Professor of Natural Sciences

Faculty of Natural Sciences

Open University of the

Netherlands

The Netherlands

Mr Tjaco VAN DEN HOUT

Secretary-General

Permanent Court of Arbitration

The Netherlands

Mr Puk VAN DER LINDE

Project Manager

European Conference on

Corporate Responsibility

Foreign Economic Relations

Ministry of Economic Affairs

The Netherlands

Mr Pieter VAN GEEL

State Secretary

Ministry for Housing, Spatial

Planning and the Environment

The Netherlands

Mr Wouter VEENING

Chairman

Institute for Environmental

Security

The Netherlands

Mrs Geneviève VERBRUGGE

Service des Affaires

Internationales

Direction Générale de

l'administration, des finances

Ministère de l'Ecologie et du

Développement Durable

France

Drs Ing Patrick VERKOOIJEN, MPA

Nature, International Affairs

Ministry of Agriculture, Nature &

Food Quality

The Netherlands

Prof Nico VISSER

Senior Advisor International

Nature Management

Department of Nature

Ministry of Agriculture, Nature &

Food Quality

The Netherlands

Mr Martin VON HILDEBRAND

Director

Fundacion COAMA

Colombia

Dr Mathis WACKERNAGEL

Executive Director

Global Footprint Network

USA

Ms Annica WALEIJ, MSc

Scientist

Swedish Defence Research

Agency, division of NBC

Sweden

Dr Claire WEILL

Senior Fellow

IDDRI

France

Ir Niels WIELAARD

Project Engineer

SarVision

The Netherlands

Mr Lars WIRKUS

Researcher

Bonn International Center for

Conversion - BICC

Germany

Ir Pieter WIT

Director

Syzygy

The Netherlands

Mr Nasser YASSIN

Assistant Convenor

Green Globe Network

UK

Drs Bertram ZAGEMA

Policy Advisor

Novib / Oxfam Netherlands

The Netherlands

Conference Organising Committee

- · Adelphi Research
- Andlug Consulting
- Biopolitics International Organisation (BIO)
- Brookings Institution
- · Carnegie Foundation
- Environment & Development Resource Centre (EDRC)
- Environmental Change and Security Project, Woodrow Wilson International Center for Scholars
- EuroCampus Institute
- European Centre for Public Affairs (ECPA)
- European Commission DG ENV
- Green Globe Network
- Global Environmental Governance Project, Yale Center for Environmental Law and Policy
- · Heinrich Böll Foundation
- · Institute for Environmental Security
- International Institute for Sustainable Development (IISD)
- IUCN World Conservation Union
- Ministère de l'Ecologie et du Développement Durable, France
- Ministry of Housing, Spatial Planning and the Environment, The Netherlands
- Netherlands Working Group on Ecology and Development
- Permanent Court of Arbitration (PCA)
- SarVision
- TransGlobal Ventures, Inc. (TGV)
- United Nations Environment Program (UNEP)
- University for Peace

Programme Committee

- Ronald A. Kingham
- Steven Lovink
- Margaret Brusasco Mackenzie
- Jeffrey McNeely
- Jeannette E. Mullaart
- Norman Myers
- Tom Spencer
- Jason Switzer
- Wouter Veening

The Hague Conference on Environment, Security and Sustainable Development

The Peace Palace, The Hague, The Netherlands 9 - 12 May 2004

Organised with the support of:



Ministry of Housing, Spacial Planning and the Environment The Netherlands





Ministry for Foreign Affairs Finland



Department of Global Development Sweden



The International Development Research Centre, Ottawa, Canada



North Atlantic Treaty Organisation



Foundation for Environmental Security and Sustainability, USA



Nationale Commissie voor Internationale Samenwerking en Duurzame Ontwikkeling The Netherlands



Swiss Agency for Development and Cooperation



