

SENSE PhD Summer School 2008

Vrije Universiteit Amsterdam, 24 - 31 August 2008



Research School for
Socio-Economic and
Natural Sciences of
the Environment



**Institute for
Environmental
Studies (IVM)**

Institute for
Environmental Studies
De Boelelaan 1087
1081 HV Amsterdam
The Netherlands

www.glogov.org

Earth System Governance

Theories and Strategies for Sustainability

Host Vrije Universiteit, IVM, EPA

Co-Hosts GLOGOV.org Environmental Policy and Global
Change Working Group, DVPW

Endorsement 

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Programme 24–31 August

Sunday, 24 August

Arrival

Monday, 25 August

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|---------------|--|
| 9.30 – 11.00 | Registration, IVM, Room C541/543 |
| 11.00 – 11.30 | <i>Coffee Break</i> |
| 11.30 – 13.00 | Frank Biermann
“Introduction: The Challenge of Earth System Governance” |
| 13.00 – 14.15 | <i>Lunch</i> |
| 14.15 – 15.45 | Sebastian Oberthür
“Institutional Interplay and Global Environmental Change: State of the Art and Perspectives for Future Research” |
| 15.45 – 16.00 | <i>Coffee Break</i> |
| 16.30 – 17.30 | Bas Arts
“Institutional-Discursive Arrangements in Global Environmental Governance” |

Tuesday, 26 August

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|---------------|---|
| 9.30 – 11.00 | PhD Master Class |
| 11.00 – 11.30 | <i>Coffee Break</i> |
| 11.30 – 13.00 | PhD Master Class |
| 13.00 – 14.15 | <i>Lunch</i> |
| 14.15 – 15.45 | PhD Master Class |
| 15.45 – 16.00 | <i>Coffee Break</i> |
| 16.30 – 17.30 | Roundtable with Frank Biermann, Bas Arts and Frans Berkhout
“Making a Career in Earth System Governance” |
| 18.00— open | <i>Borrel</i>
Traditional social gathering in the Netherlands |

Programme 24–31 August

Wednesday, 27 August

- 9.30 – 11.00 Philipp Pattberg
“International Relations and Earth System Governance”
- 11.00 – 11.30 *Coffee Break*
- 11.30 – 13.00 Pieter Glasbergen
“Policy Studies and Earth System Governance: The New Partnership Paradigm”
- 13.00 – 14.15 *Lunch*
- 14.15 – 15.45 Frans Berkhout
“Industrial Transformation and the Challenge of Earth System Governance”
- 15.45 – 18.00 *Guided Tour through Amsterdam*

Thursday, 28 August

- 9.30 – 11.00 Frank Biermann
“The Institutional Architecture of Earth System Governance”
- 11.00 – 11.30 *Coffee Break*
- 11.30 – 13.00 Philipp Pattberg
“Agency beyond the State in Earth System Governance”
- 13.00 – 14.15 *Lunch*
- 14.15 – 15.45 Judith Klostermann
“A Conceptual Framework for Assessing the Adaptive Capacity of Dutch Institutions”
- 15.45 – 16.00 *Coffee Break*
- 16.30 – 17.30 Aarti Gupta
“Accountability and Transparency in Earth System Governance”
- 18.00 – 19.00 Guest Lecture
Gavin Edwards, “Greenpeace: Campaigning For Climate Protection”

Programme 24–31 August

Friday, 29 August

9.30 – 11.00	Jan Stel “Ocean Governance within the context of Earth System Governance”
11.00 – 11.30	<i>Coffee Break</i>
11.30 – 13.00	Marcel Kok “The Role of Modelling and Scenarios in Earth System Governance”
13.00 – 14.15	<i>Lunch</i>
14.15 – 15.45	Sofia Frantzi “Q-Methods and Earth System Governance”
15.45 – 16.00	<i>Coffee Break</i>
16.30 – 17.30	Pim Martens “The Challenge of Global Sustainability Governance”

Saturday, 30 August

19.00	<i>Dinner</i>
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Sunday, 31 August

Adjourn

Lecturers

Bas Arts

Bas.Arts@wur.nl

Bas Arts holds a MSc in Biology (1987) and a PhD in the Policy Sciences (1998). Currently, he is Professor at the Forest and Nature Conservation Policy Group at Wageningen University and Research Centre, the Netherlands. His professional focus is on: (1) new modes of governance in environmental politics (mainly with regard to forests, biodiversity, climate change); and (2) the role of private regulation and the power of non-governmental actors in environmental politics. He published over 70 academic articles, books, volumes and book chapters (articles in among others International Political Science Review, European Journal of International Relations, Policy Sciences, Quality & Quantity and Journal of European Public Policy and books, volumes and chapters with for example Cambridge University Press, Sage, Routledge, Kluwer, Springer, Edward Elgar and Palgrave-Macmillan). In the first half of 2004, Arts was affiliated as a guest researcher to the Max Planck Institute on Collective Goods in Bonn, Germany. The last couple of years, he was able – both as principal applicant and as co-submitter – to successfully acquire NWO grants (with Shifts in Governance, LOICZ, GaMON and Contested Democracy), EU grants (with the Fifth Framework Program) and professional research projects (with Ministries and their research institutes). Currently, Arts is supervising 15 PhDs, two of which will graduate in 2007 (and two others did in 2006). Also, he is visiting professor at the College of Europe in Brugge (Belgium), editor of the Ashgate series Non-State Actors in International Law, Governance and Politics, editorial board member of the Journal of Forest Policy and Economics, member of the Research Committee 36 on power of the International Political Science Association, and board member of Mansholt Graduate School.

Frans Berkhout

Frans.Berkhout@ivm.vu.nl

Frans Berkhout is Professor of Innovation and Sustainability, and Director of the Institute for Environmental Studies (IVM) at the Vrije Universiteit in Amsterdam, The Netherlands. Until August 2004 he was with the Environment and Energy Programme at SPRU – Science and Technology Policy Research - at the University of Sussex (UK), and Director of the UK Economic and Social Research Council's (ESRC) Sustainable Technologies Programme. Previously, he was Co-Director of the ESRC's Global Environmental Change Programme and spent two years doing post-doctoral research at Princeton University in the US. Among other advisory roles, Professor Berkhout is a lead author in the IPCC's Fourth Assessment Report and chair of the Industrial Transformation project of the International Human Dimensions Programme (IHDP).

Professor Berkhout has extensive research, research management and research training experience across a number of fields. His early research was concerned with the economic, political and security aspects of the nuclear fuel cycle and radioactive waste management, with special emphasis on the international control of fissile materials (plutonium and highly enriched uranium). His more recent work has been concerned with technology, policy and sustainability, with special emphasis on the links between technological innovation and environmental performance in firms, the measurement of sustainability performance, futures scenarios studies, business adaptation to environmental change, and policy frameworks for innovation and the environment.

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Frank Biermann

Frank.Biermann@ivm.vu.nl

Frank Biermann specialises on research, teaching and research management and on governance and institutions for sustainable development. He is interested, in particular, in the role of non-state actors in environmental governance, especially of international bureaucracies and scientific networks; in the influence of public-private and private co-operation in environmental governance; in the interplay of global institutions, notably of the trade regime with environmental regimes; in the distributive effects of environmental regimes; and in the development of a long-term stable climate governance architecture. His most recent research focus has been the development of a theory of earth system governance as a crosscutting concept in the study of global change. Biermann has published six books, a number of special journal issues and proceedings, about 80 academic journal articles and book chapters, and roughly 100 policy articles, reviews, reports, and working papers.

Since 2003 Frank Biermann has been both Professor of Political Science and Environmental Policy Sciences at the Vrije Universiteit in Amsterdam, The Netherlands, where he also heads the Department of Environmental Policy Analysis at the Institute for Environmental Studies. Before moving to Amsterdam, he was affiliated with the Freie Universität Berlin, the German Advisory Council on Global Change, Harvard University, Jawaharlal Nehru University, the University of Maryland at College Park, the Potsdam Institute for Climate Impact Research, the Social Science Research Centre Berlin, and Stanford University.

Biermann is an active member in a variety of international research networks. Among others, he is the founding director of the Global Governance Project, a network of currently eight European research institutes. As chair of the Environmental Policy and Global Change section of the German Political Science Association (2000-2003), Biermann has initiated the IHDP-endorsed series of European Conferences on the Human Dimensions of Global Environmental Change with the first Berlin Conference in 2001. Currently he is taking the lead in developing a new crosscutting research programme on governance and institutions within the Earth System Science Partnership.

Sofia Frantzi

Sofia.Frantzi@ivm.vu.nl

Sofia Frantzi is a researcher at the Institute of Environmental Studies (IVM) of the Vrije Universiteit Amsterdam, working in collaboration with the Netherlands Environmental Assessment Agency/Milieu- en NatuurPlanbureau (MNP). She is also a research associate at the interdisciplinary Centre for Ecology, Law and Policy at the University of York and a research fellow with the international Global Governance Project (GloGov.org).

Sofia Frantzi has completed her PhD in Environment and Politics at the University of York. Her interdisciplinary doctoral thesis examines the Effectiveness of International Environmental Regimes, using as a case study the Mediterranean Action Plan/Barcelona Convention aiming at the

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the Protection of the Marine Environment and the Coastal Region of the Mediterranean. She also holds an MSc in Integrated Environmental Studies from the University of Southampton, and a BSc in Agriculture with specialisation in Agricultural Economics from the Aristotle University of Thessaloniki.

Prior to her doctoral studies, Sofia Frantzi has been working for the Goulandris Natural History Museum/ Greek Biotope Wetland Centre (EKBY) in Thessaloniki, Greece. During her work she project managed and participated in various projects funded by FP 5 of the European Commission or the Greek Ministry for the Environment, such as 'Integrated Management of European Wetlands (IMEW)', 'MedWet (Mediterranean Wetlands Initiative within the framework of the Ramsar Convention)', 'Spatial Indicators for European Nature Conservation (SPIN)' and 'Actions for awareness, monitoring and sustainable development in Natura 2000 sites of the broader Strymonas River Basin'.

Pieter Glasbergen

P.Glasbergen@geo.uu.nl

Dr. Pieter Glasbergen (1946) is Professor of Environmental Studies - Policy and Management at two Dutch universities: Utrecht University (0,8) and the Netherlands Open University (0,2). He studied political sociology and sociology of the public sector at Utrecht University. Master's degree cum laude 1971; PhD degree 1979 with a dissertation on the efficacy of Dutch land use planning.

Next to his academic positions he worked as an alderman and vice-Mayer in the city of Culemborg in the period 1976-1988 (PvdA). He specializes in planning and policy issues, particularly with reference to environmental policy, physical planning, water management, and policy for landscape and nature conservation. His current research is mainly focused on partnerships for sustainable development.

The articles, reports and books that he has published include both theoretical studies on governance for sustainable development and applied policy research in the areas mentioned above. His main research topic nowadays is Partnerships for Sustainable Development.

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Aarti Gupta

Aarti.Gupta@wur.nl

Aarti Gupta is Assistant professor with the Environmental Policy Group of Wageningen University, the Netherlands. She is also an associate faculty member of the Global Governance Project, a consortium of academic institutions in Europe researching issues of global environmental governance (glogov.org), and a co-coordinator of the SENSE Theme 4 research cluster on global environmental governance. Her research interests lie in global risk governance, the role of science in international environmental politics and institutional interlinkages in multilevel environmental governance. She is currently focusing on how transparency can be a tool of global environmental governance. Her research has appeared in *Global Environmental Politics*, *Environment*, *International Journal of Biotechnology*, and the *Journal of Sustainable Forestry*, among others. Aarti Gupta received her PhD from Yale University's School of Forestry and Environmental Studies in 2001.

Judith Klostermann

Judith.Klostermann@wur.nl

Judith Klostermann is working within the ESS-CC team of Alterra on a research project about governance of climate adaptation. Other projects in which she is involved are on stakeholder involvement and knowledge management. Her area of expertise is policy science, especially in the water and the climate domains. She has been working as a scientific programme officer for the National Research Programme Climate *changes* Spatial Planning, located at Wageningen University, since 2004. She wrote a dissertation on the social construction of sustainability in Dutch water companies at Erasmus University Rotterdam, which was finished in 2003. Between 1990 and 1997 she worked as a consultant in the area of environmental policy and management at TNO, Delft. She has a Masters degree in Biology from the University of Utrecht.

Marcel Kok

Marcel.Kok@mnp.nl

Marcel Kok is senior researcher at the Netherlands Environmental Assessment Agency. The Netherlands Environmental Assessment Agency (PBL) supports national and international policy-makers by analysing the impacts of societal trends and policies on the environment. We provide independent and integrated assessments on topics such as sustainable development, energy and climate change, biodiversity, transport, land use and air quality. The MNP acts as the interface between science and policy. Marcel is among the few social scientists in this institute and works on global sustainability and governance issues.

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Pim Martens

P.Martens@ICIS.unimaas.nl

Pim Martens is Director of the International Centre for Integrated assessment and Sustainable development (ICIS), Maastricht University. He holds the chair 'Sustainable Development' at Maastricht University, and is a research professor of Globalisation, KOF Swiss Economic Institute, ETH Zurich. Prof. Martens is project-leader and principal investigator of several projects related to sustainable development, globalisation, environmental change and society, funded by, amongst others, the Dutch National Research Programme, the United Nations Environment Programme and the European Community. Pim Martens is co-editor-in-chief of the International Journal Ecohealth. Finally, Dr. Martens is a Fulbright New Century Scholar within the programme 'Health in a Borderless World' and winner of the Friedrich Wilhelm Bessel-Forschungspreis. Pim Martens has been a visiting scholar at the London School of Hygiene and Tropical Medicine (UK), Harvard University (USA), Heidelberg University, (Germany), and ETH Zurich (Switzerland).

Sebastian Oberthür

soberthu@vub.ac.be

Sebastian Oberthür has been Academic Director of the Institute for Environmental Studies (IES) in Brussels since October 2005. Trained as a political scientist with a strong background in international law, he focuses on issues of international and European environmental governance, with an emphasis on institutional issues and perspectives. His current research interest extends in particular to the horizontal and vertical integration of international institutions and policies relevant to the environment, including the interplay between environmental agreements/institutions and other policies (e.g. trade, transport). Among his recent publications is "Institutional Interaction in Global Environmental Governance. Synergy and Conflict among International and EU Policies" (co-edited with Thomas Gehring, MIT Press 2006).

Philipp Pattberg

Philipp.Pattberg@ivm.vu.nl

Philipp Pattberg is a researcher and project leader at the Institute for Environmental Studies (IVM) of the Vrije Universiteit Amsterdam. He is also the research coordinator of the international Global Governance Project (glogov.org), a joint research programme of leading European universities.

Before joining the IVM, Philipp Pattberg has been teaching undergraduate and graduate classes at the Free University of Berlin and the Free University of Amsterdam. He holds a MA in Political Science, German Literature and Modern History from the Rheinische Friedrich Wilhelms Universität Bonn (highest category) and a postgraduate Diploma in International Relations from the Bologna Center of the Paul H. Nitze School of International Studies (SAIS), Johns Hopkins University.

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His current research focuses on the concept of transnational organisation, the effectiveness and accountability of global public policy partnerships and the future of the global climate regime. Philipp Pattberg has published articles in *Governance*, *Global Governance*, *Journal of Environment & Development*, *Third World Quarterly*, *Business and Society Review* and *International Environmental Agreements*, among others.

Jan Stel

janstel@skynet.be

Jan Stel was born and raised in the Netherlands. He studied geology and palaeontology at the Universities of Groningen and Leiden. In 1987 he got his PhD at the University of Groningen. He taught paleontology at the Universities of Groningen, the Netherlands and Münster, Germany.

From 1979 to 2000 he held various positions in the development of Dutch marine research and its international outreach. He was involved in a large number of European developments such as EUROMAR and Framework programs of the EU. Within the European Science Foundation he founded a consortium that participates in the Ocean Drilling Program and its successors. He held a number of international positions in the Intergovernmental Oceanographic Commission (IOC) of UNESCO, was board member of the International Ocean Institute, and developed the 'Partners in Science' concept for transfer of marine knowledge and know-how to developing countries. Since 1992 he has been involved in the transition from basic oceanographic research towards operational oceanography.

At a national level he organised among others the second Snellius Expedition (1982-1987), the first EUROMAR technology market (1988), the Dutch Indian Ocean Programme (1990-1995), and the first Dutch Antarctic expedition (1990-1991). He is co-founder of the International Ship Operators Meetings (ISOM, 1987), a mechanism for international co-ordination and exchange of ship-time and berths.

In 2000 he became part time professor in 'Ocean Space and Human Activity' at the University of Maastricht and since 2006 also part time professor of 'Ocean Space and Sustainable Development' at the Dutch Open University. Currently he is involved in the joint development of a new Master degree in Delta management by the Open University and the HZ University and some Belgian partners. Professor Stel also is an independent consultant in marine science policy and management with the firm MASTEC.

Jan Stel published some 130 scientific and popular scientific papers, among which four books. He was editor-in-chief of the First European EuroGOOS Conference. He made three TV documentaries and a promotion film for the Ocean Drilling Program and was until recently involved in Education and Outreach activities related with the present International Polar Year.

Participants

Aishath Azza, Curtin University of Technology, Australia

Stefano Balbi, University Ca' Foscari of Venice, Italy

Katja Biedenkopf, Vrije Universiteit Brussels, Belgium

Thomas Buchholz, State University of New York, USA

Paula Castro Pareja, University of Zurich, Switzerland

Adam Choryński, Polish Academy of Sciences, Poland

Dana Cordell, University of Technology, Sydney, UK

Christian Downie, Australian National University, Australia

Adriana Ford, University of York, UK

Andrew Kenyon Glover, University of Technology, Sydney, Australia

Nils Goeteyn, Ghent University, Belgium

David Goldsborough, Wageningen University, The Netherlands

Pierre Maurice Grant Harcourt, University of Edinburgh, UK

Masahiko Iguchi, Tokyo Institute of Technology, Japan

Alexandra Kornilova, Russian Academy of Science, Russia

Naho Mirumachi, King's College London, UK

Yuri Okubo, University of Zurich, Switzerland

Irendra Radjawali, University of Bremen, Germany

Sabine Reinecke, University of Freiburg, Germany

Olga Schenk, RWTH-Aachen University, Germany

Patrick Martin Schroeder, University for Political Science and Law (CUPL) (政法大学), Beijing, PR China

Sarah Stattman, Wageningen University, The Netherlands

Binh Thi Tran, University of London, UK

Reader Content

Monday, 25 August

- 1) Frank Biermann. 2007. 'Earth System Governance' as a Crosscutting Theme of Global Research. *Global Environmental Change* 17: 326-337. ([Lecture: Biermann](#))
- 2) Thomas Gehring and Sebastian Oberthür. 2007. Interplay: Exploring Institutional Interaction. In Oran R. Young et al. (eds). *Institutions and Environmental Change: Principal Findings, Applications, and Research Frontiers*. MIT Press, 187-223. ([Lecture: Oberthür](#))
- 3) M.A. Wiering and Bas J.M. Arts. 2006. Discursive Shifts in Dutch River Management: 'Deep' Institutional Change or Adaptation Strategy? *Hydrobiologia* 565: 327–338. ([Lecture: Arts](#))

Wednesday, 27 August

- 1) Klaus Dingwerth and Philipp Pattberg. 2006. Global Governance as a Perspective on World Politics. *Global Governance* 12: 185–203. ([Lecture: Pattberg](#))
- 2) Pieter Glasbergen and Ruud Smits. 2003. The Policy Laboratory for Sustainable Development and Innovation Management: A New Learning Context for Environmental Scientists. *International Journal of Sustainability in Higher Education* 4 (1): 57-74. ([Lecture: Glasbergen](#))
- 3) Frans Berkhout. 2008. Innovation Theory and Socio-Technical Transitions. In Jeroen C.J.M. van den Bergh and Frank R. Bruinsma (eds.). *Managing the Transition to Renewable Energy: Theory and Practice from Local, Regional and Macro Perspectives*. Cheltenham, UK and Northampton, MA, USA: Edward Elgar, 129-147. ([Lecture: Berkhout](#))

Thursday, 28 August

- 1) Frank Biermann, Sander Chan, Aysem Mert, and Philipp Pattberg. 2007. Multi-Stakeholder Partnerships for Sustainable Development: Does the promise hold. In: Pieter Glasbergen, Frank Biermann, and Arthur P.J. Mol (eds.). *Partnerships, Governance, and Sustainable Development. Reflections on Theory and Practice*. Cheltenham: Elgar, 239-260. ([Lecture: Pattberg](#))
- 2) Carolyn J. Hill and Laurence E. Lynn Jr. 2005. Is Hierarchical Governance in Decline? Evidence from Empirical Research. *Journal of Public Administration Research and Theory* 15 (2): 173-195. ([Lecture: Klostermann](#))
- 3) Aarti Gupta. 2008. Transparency Under Scrutiny: Information Disclosure in Global Environmental Governance. *Global Environmental Politics* 8 (2): 1-7. ([Lecture: Gupta](#))
- 4) Michael Mason. 2008. Transparency for Whom? Information Disclosure and Power in Global Environmental Governance. *Global Environmental Politics* 8 (2): 8-13. ([Lecture: Gupta](#))

Friday, 29 August

- 1) Jan H. Stel and D. Loorbach. 2004. Governance of Exclusive Economic Zones. In *A Gateway to Sustainable Development. Proceedings of the 30th International Conference Pacem in Maribus A Year after Johannesburg. Ocean Governance and Sustainable Development: Oceans and Coasts a Glimpse into the Future*, 102-116. ([Lecture: Stel](#))
- 2) Marcel Kok. 2008. Searching for solutions. In Aldert Hanemaaijer and Wouter de Ridder, Theo Aalbers, Bas Eickhout, Henk Hilderink, Ton Manders, Dick Nagelhout and Arthur Petersen (eds.). *The Netherlands in a Sustainable World: Poverty, Climate and Biodiversity Second Sustainability Outlook*. Bilthoven: Netherlands Environmental Assessment Agency. 107-127. ([Lecture: Kok](#))
- 3) Sofia Frantzi, Neil T. Carter, and Jon C. Lovett. 2007. Exploring Discourses on International Environmental Regime Effectiveness with Q methodology: A Case Study of the Mediterranean Action Plan. *Journal of Environmental Management*: 1-10. ([Lecture:Frantzi](#))
- 4) John Barry and John Proops. 1999. Seeking Sustainability Discourses with Q Methodology. *Ecological Economics* 28: 337–345. ([Lecture:Frantzi](#))
- 5) Pim Martens. 2006. Sustainability: Science or Fiction? Sustainability: *Science, Practice & Policy* 2 (1): 1-5. ([Lecture: Martens](#))