



## **European Climate Forum's Annual Conference 2007**

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**Financing the Next Industrial Revolution – Global Investments for Climate  
and Energy Security**

**26–27<sup>th</sup> March 2007, Berlin, Germany**

**The European Climate Forum thanks Deutsche Telekom for hosting the  
Annual ECF Conference 2007.**

## About ECF

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ECF is a platform for joint studies and science-based stakeholder dialogues on climatic change. ECF brings together representatives of different parties concerned with the climate problem. The core activity of the Forum is to define and carry out joint studies; these provide arguments for long-term climate mitigation and adaptation policies leading ultimately towards a sustainable development path.

Human greenhouse gas emissions change the Earth's climate in ways that it may dangerously interfere with mankind. Climate change is therefore considered to be one of the biggest challenges facing humanity. No single solution will suffice to deal with it. This challenge has to be jointly tackled by science, policy, business and industry, NGOs, and the general public.

Numerous academic studies have been carried out on possible adaptation and mitigation policies. However, most of these studies have not fully considered the needs and perceptions of stakeholders affected by or effecting climate change.

Industry has made considerable efforts in reducing emissions, developing renewable energy technologies and contributing to emissions trading schemes. Most of this work, however, has been similarly divorced from academia.

No clear picture has emerged of the advantages and disadvantages of the different mitigation and adaptation options, let alone a consensus on a reasonable strategy to pursue.

The European Climate Forum is a platform for joint studies and science-based stakeholder dialogues on climatic change. ECF brings together representatives of different parties concerned with the climate problem. The core activity of the Forum is to define and carry out joint studies; these shall provide arguments for long-term climate mitigation and adaptation policies leading ultimately towards a sustainable development path. The groups we engage with systematically are from:

- energy industries and major energy users,
- companies engaged in renewables,
- insurance and finance enterprises,
- policy-makers,
- environmental NGOs, and
- scientists.

## Conference Concept

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Climate change is real. Its impacts can be detected already today and will become far more serious if effective mitigation and adaptation measures are not undertaken.

There is widespread agreement that global temperature increase should not exceed 2°C above the pre-industrial level. However, there is no credible plan - neither from politics nor from business – on how to reach this target.

There is an urgent need to come up with effective measures which take into account the long-term dimension of climate change and the short-term requirements of economic growth, business profitability and national energy security. Energy is a critical driver for economic growth but it is also a key-driver for climate change. We face the dilemma of having to meet growing energy demands and at the same time prevent dangerous climate change. Given the rapid economic growth of emerging economies and the time horizon of global investment decisions in the energy system, decisions taken in the next few years will determine future technology for many decades. The decisions we are making today will define where and who we are tomorrow.

The next ECF Annual Conference will address these questions in a setting of an open constructive debate.

The aim of the annual conference is to identify credible mechanisms and policies capable of channelling sufficiently large investment flows towards clean technologies and emission reduction. Experts from different scientific sectors, the business sector and the political world will provide insight and propose roadmaps for long-term sustainability and climate security. Particular attention will be paid to identifying measures which stimulate the economy and turn challenges, posed by climate change, into opportunities. We will propose and discuss a number of alternative scenarios on how to reach the 2°C target and prevent dangerous climate change while maintaining a healthy global economic growth.

### **Steering Committee:**

- Antonella Battaglini, MBA, Chair Steering Committee (ECF, PIK and TheCompensators\*);
- Prof. Dr. Carlo C. Jaeger (ECF Chair, Head of Department Transdisciplinary Concepts & Methods at the Potsdam Institute for Climate Impact Research);
- Prof. Dr. Dr. Klaus Hasselmann (ECF Vice Chairman, Emeritus of the Max-Planck-Institute of Meteorology , Vice-president of The Society of Friends and Promoters of the Potsdam Institute for Climate Impact Research);
- Prof. Ola Johannessen (Director, Nansen Environment and Remote Sensing Center);
- Dr. Stefan Singer (WWF International); and
- Prof. Martin Welp (University of Applied Sciences Eberswalde).

## Conference Format

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The conference is based on intense discussions by all participants. Participation is by invitation only. A preliminary list of invitees can be viewed below. The conference shall provide the opportunity for a unique exchange of arguments and thoughts between well informed experts with widely differing views.

Discussions will be stimulated by inputs from competent speakers. Among them will be **John Ashton** (UK Ambassador, Special Representative for Climate Change), **Hartmut Graßl** (former Director of the World Climate Research Program), **Corrado Clini** (Director General, Italian Ministry of Environment), **Granger Morgan** (Head, Department of Engineering and Public Policy, Carnegie Mellon University), **Klaus Hasselmann** (ECF Vice chairman, former Director of the Max Planck Institute for Meteorology) and **Hans Joachim Schellnhuber** (CBE, Director of the Potsdam institute for Climate Impact Research).

**Day one** is dedicated to Hard Talks about climate change policy and options to prevent dangerous climate change.

The topics to be addressed include:

- Carbon capturing and sequestration
- Renewable energy – decentralized and large scale
- Energy efficiency and lifestyles
- Geo-engineering schemes
- New generations of nuclear power
- Geopolitics and Morality.

The driver for the talks is the definition of possible investment portfolios for climate and energy security. Any portfolio must balance risks and opportunities and combine different options – the question is: which ones, in what proportions, with what investments.

**Day two** is dedicated to work in groups to provide – not necessarily consensual – policy recommendations on:

- Investments requirements
- Regional Innovations and Capabilities
- Creditability and Coherence.

## Conference Agenda – Day 1, Monday, March 26, 2007

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9:30 h Registration and coffee

**The morning session will be chaired by Stephan Singer Head Climate and Energy Policy Unit, WWF European Policy Office**

10:00 h **Welcome and opening**

**Carlo Jaeger**

Chairman European Climate Forum, Head of the Department for Global Change and Social Systems at the Potsdam Institute for Climate Impact Research

10:15

**Ignacio Campino**

Director Corporate Sustainability, Deutsche Telekom

10:30

**Keynote addresses**

**Hans Joachim Schellhuber**

CBE, Director, Potsdam Institute for Climate Impact Research; Professor for theoretical physics at the University of Potsdam, Chief Government Advisor on Climate and Related Issues and Climate Advisor to President Barroso

**Claudia Kemfert**

Head of DIW Berlin's Department of Energy, Transportation, Environment, Climate Advisor to President Barroso

**Margo Thorning**

Managing Director, International Council for Capital Formation

11:30

**Debate**

12:30

Lunch

## Conference Agenda – Day 1, Monday, March 26, 2007

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The afternoon session will be chaired by **Karsten Sach**, Deputy Director-General, Directorate International Cooperation, Federal Ministry for Nature Conservation, Nuclear safety and the Environment, Germany

14:00           **Investment Requirements:**

Introductory speech (15 min)

**Herman Mulder**

Senior Adviser UN Global Compact Office, former Senior Executive Vice President of ABN AMRO followed by an open discussion

15:30           **Regional Innovation and Capabilities:**

Introductory speech (15 min)

**Johannes Merck**

CEO, Michael Otto Foundation for Environmental Protection followed by an open discussion

17:00           coffee break

17:30           **Credibility & Coherence:**

Introductory speech (15 min)

**Corrado Clini**

Director General, Italian Ministry of Environment followed by an open discussion

19:00           **Reception/Cocktail** with Christian Morgenstern's "Elementarphantasien"

19:30           End of Conference Day 1

20:00           Dinner

Dinner speech **Hanns Michael Hölz**, Global Head, Sustainable Development, Deutsche Bank

## Conference Agenda – Day 2, Tuesday, March 27, 2007

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The morning session will be chaired by **Manfred Konukiewitz**, Deputy Director General Global and sectoral policies Commissioner for Climate Change, Federal Ministry for Economic Cooperation and Development, Germany

9:00            **Challenges and Opportunities**

**Klaus Töpfer**

Former Under Secretary General, United Nations Environment Programme

9:20            **What is still needed from science now?**

**Klaus Hasselmann**

ECF vice-chairman, former Director of the Max Planck Institute for Meteorology

9:40            **Working Groups**

**1)      Investment requirements**

Chair: **Wolfgang Kröger**

Founding Rector of International Risk Governance Council (IRGC) Laboratory for Safety Analysis, Federal Institute of Technologie (ETH)

Input: **Kirsty Hamilton**

Policy consultant

Rapporteur: **Martin Welp**

Potsdam Institute for Climate Impact Research

## Conference Agenda – Day 2, Tuesday, March 27, 2007

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### 2) **Regional innovations and capabilities**

Chair: **Jennifer Morgan**

Climate & Energy Program Director, E3G

Input: **Granger Morgan**

EPP Carnegie Mellon and former Director of the Max Planck Institute for Meteorology

Rapporteur: **Armin Haas**

Potsdam Institute for Climate Impact Research

### 3) **Credibility & Coherence**

Chair: **Luis Neves**

Corporate Sustainability & Citizenship, Deutsche Telekom; Chairman, Global e-Sustainability Initiative (GeSI)

Input: **John Doyle**

Directorate-General Information Society and Media, European Commission

Rapporteur: **Vera Tekken**

Potsdam Institute for Climate Impact Research

11:40 **Working Groups briefly report to plenary**

12:15 **The role of the insurance industry**

**Peter Hoeppe**

Head GeoRisks research department, Munich Re

12:30 Lunch

## Conference Agenda – Day 2, Tuesday, March 27, 2007

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The afternoon session will be chaired by **Hartmut Graßl**, former Director of the World Climate Research Program, former Director of the Max Planck Institute for Meteorology

- 14:00 Climate Policy and European Identity
- John Ashton**  
UK Ambassador, Special Representative for Climate Change
- 14:20 **Working Groups continue**
- 1) Investments Requirements
  - 2) Regional Innovations and Credibility
  - 3) Credibility & Coherence
- 15:30 Coffee break
- 16:00 **Working Groups' final report to plenary**  
Identification of policy advices  
Identification of research tasks
- 17:15 Wrap up and farewell
- Carlo Jaeger**  
Chairman European Climate Forum
- 17:30 End of Conference
- 19:00 **Informal Dinner** available for those who stay

## Welcome Address

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### **Dr. Ignacio Campino, Director Corporate Sustainability, Deutsche Telekom**

Ladies and gentlemen, distinguished guests, dear colleagues,

Deutsche Telekom is extremely pleased to host this important conference in our Representation Office in Berlin. Deutsche Telekom is very aware of the consequences of climate change and it is strongly committed to climate protection. The European Climate Forum and the Potsdam Institute for Climate Impact Research have been important partners for Deutsche Telekom in relation to climate protection. Therefore, it is almost a logical consequence of our relationship to host this conference.

Climate protection has already reached the top of the attention of the public. The published pictures are very impressive and sometimes so alarming, that citizens could be overwhelmed by the dimension of this challenge. It is now time to develop very concrete measures for facing global warming showing politicians and society that the business community is taking responsibility for the future. One could say that at least since Liza Minelly's song "Money makes the World go around" every body understood that the role of finances for making the World go around or better said for shaping the World is crucial. The creation of the "Carbon Disclosure Project" represented an important landmark and showed clearly how the finance community is addressing global warming and climate protection and what is expected from the business community.

Now it is necessary to go ahead and to discuss about the allocation of investment for reshaping our society towards the next industrial revolution.

Deutsche Telekom is a leading global player in the telecommunications industry. We committed to reduce our CO<sub>2</sub> emissions from electricity consumption in Germany in 50% by 2010 when compared to 1995. We are now pushing the use of telecommunications services for reducing CO<sub>2</sub> emissions. At the CeBIT, last week, we presented different alternatives for reducing costs and CO<sub>2</sub> emissions by using telecommunications applications like video conferencing, teleworking and Internet applications. We have expressed our commitment in different initiatives for climate protection at global, European and national level. We support the target, that temperature should not increase in over 2° C when compared to pre-industrial time for avoiding serious consequences of global warming. Telecommunications is part of the solution to tackle global warming. Therefore, we will increase our efforts for making concrete contributions for climate protection and we will engage with our customers to increasingly use our services. This dual strategy will lead to new opportunities for business and for climate protection. I would like to wish this conference a good success and outcomes that contribute to promote investments that will lead to effective climate protection.

Thank you very much for your attention.

## List of Participants

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Background papers are available from participants labelled with \*.



**Knut Alfsen\***

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Knut Alfsen has a Ph.D. in theoretical physics from the University of Oslo. He is currently Director at the Unit for Petroleum and Environmental Economics in the Research Department of Statistics Norway, working as an economist. Previously he has held positions as Director of CICERO Center for Climate Research and Research Director and responsible for environmental technologies at Institute for Energy in Norway.



**John Ashton**

John Ashton is UK Ambassador and the Special Representative for Climate Change of the UK Foreign Secretary. John is undertaking this role on secondment from E3G, where he had been Chief Executive since its inception. John is one of a new generation of diplomats equally at home in the worlds of foreign policy and green politics.



**Christoph Bals**

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Christoph Bals holds a Diploma in Theology, Economics and Philosophy. He is the executive political director of Germanwatch and initiated the “European Business Council for Sustainable Energy Future”, the Kyoto Business Initiative “emission 55”, and “atmosfair”. Since 1998 he is also board member of the “Stiftung Zukunftsfähigkeit”.



**Antonella Battaglini\***

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Antonella holds an MA in literature and an MBA. Since 2001 working as a scientist in the Department Global Change & Social Systems at Potsdam Institute for Climate Impact Research and co-leader of the PIK research project PREVENT. She is inter alia core team member of ECF. Previously she has gained 10 years experience in the pharmaceutical industry, in national and transnational management.

## List of Participants

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**Leonid Bobylev**

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Leonid P. Bobylev, PhD, was born in 1947 in Pskov Region, USSR. In 1971 he graduated from St. Petersburg University, Russia. From 1971 to 1992 he was affiliated in turn with Arctic and Antarctic Research Institute, Voeikov Main Geophysical Observatory and Lake Research Institute, St. Petersburg. Since 1992, he is with Nansen International Environmental and Remote Sensing Centre, St. Petersburg, as Director. His research interests include global climate change in the Arctic. In 2005 he was awarded by the EU Descartes Prize in Earth Sciences.



**Hans-Peter Böhm**

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Dr. phil. habil. Hans-Peter Boehm holds a German diploma in Physics, a Ph.D and habilitated in 1986 at the Humboldt University in Berlin. He was Professor at the TU Dresden and Senior Communication Specialist at Siemens Power Generation in Erlangen, Germany. From 2002 until 2005 he was the Director of the Communications Group at Siemens and since 2005 he is the Vice President of Government Affairs of Siemens AG in Berlin, Germany.



**Matthew Bramley**

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Matthew Bramley is one of Canada's best known advocates for stronger government policies to address climate change. Matthew has been Director, Climate Change, of the Pembina Institute's Climate Change Program since 2001. The program is a centre for analysis and research on Canadian greenhouse gas reduction policy, with a particular focus on industrial emissions and emissions trading. Matthew Bramley has a Ph.D. in theoretical chemistry from the University of Cambridge.



**Ignacio Campino**

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Ignacio is Vice President Corporate Sustainability and Citizenship with Deutsche Telekom Group. He was Chairman of the Frankfurt-Darmstadt regional organization of the Association of German Engineers from 1996 to 1999. Ignacio also lectures in business ethics at the Johann-Wolfgang-Goethe University in Frankfurt, is a member of the board of trustees for the Potsdam Institute for Climate Impact Research (PIK), and sits on the National Committee of the United Nations Decade for Education Sustainable Development.

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**Corrado Clini**

Dr. Corrado Clini holds Ph.D's in Occupational Health and in Hygiene and Public Health. Since 1990 he is the General Director of the Italian Ministry of Environment and Head of several national and international programs on the protection of the environment, sustainable development and global emission reduction. Since 2006 he is Chairman of the Global BioEnergy Partnership and since 2007 he is Senior Research Fellow in the Sustainability Science Program at Harvard's Center for International Development.



**Irina Detlefsen**

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Irina Detlefsen holds a diploma in architecture, is specialised in building biology and will finish her MBA in economics this year. From 1988 - 1995 she was working as a freelance architect. From 1995 - 2003 she was responsible for international project management for HVB Group and developing sustainability standards for housing projects and office buildings. Since 2004 she is in the CSR Management HVB and inter alia responsible for project management of "UniCredit Group climate strategy".



**John Doyle**

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John Doyle is a licensed professional engineer and has been working for the European Commission since 1996. Currently he works on mainstreaming Sustainable Development in the Information Society Directorate General – with special emphasis on Business Partnerships to address Energy and Climate Security. Immediately prior to secondment, his work was focused on planning for the International Co-operation aspects of the 7<sup>th</sup> Community Framework Programme of Research and Technology Development



**Jürgen Engelhard**

ECF Member and former Head of Energy and Environmental Policy, RWE

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**Rudolf Fischer**

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Rudolf Fischer studied physics and mathematics in Cologne. With a thesis prepared at the Max-Planck-Institute for Astrophysics in Garching he received a PhD from the Technical University of Munich. After one more year as a post-doc he moved to the Computing Centre of the University of Stuttgart, providing user-support in supercomputing. Switching to industry he worked for Cray and NEC in the supercomputing market. His current position is “Chief Technology Officer” of the NEC HPC Europe GmbH, the European sales channel for NEC supercomputer solutions.



**Hannah Förster**

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Hannah Förster will soon hold a Ph.D in economics.\* \*She is co-founder of TheCompensators\*, a non-profit organisation providing individuals with the possibility of actively contributing to prevent dangerous climate change by deleting emissions allowances from the European Emission Trading Scheme ([www.thecompensators.org](http://www.thecompensators.org)). She is also a photographer who creates a series of photographs with individual messages regarding climate change ([www.climate-change-messengers.org](http://www.climate-change-messengers.org))



**Sebastian Gallehr**

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Sebastian is the chief executive director of e5 European Business Council for Sustainable Energy managing director: G+P GmbH, GALLEHR+PARTNER Sustainable Risk Management.



**Bjørn Tore Godal**

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Ambassador, Norwegian Embassy, Berlin

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**Hartmut Graßl**

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Hartmut Graßl is Emeritus of the Max Planck Institute for Meteorology and of the Meteorological Institute at the University of Hamburg, Germany. Before that he was Director at the Max Planck Institute for Meteorology, Director of the World Climate Research Programme (Geneva) and Director of the Institute of Physics at the Coastal Research Centre (GKSS), Geesthacht, Germany. He has several international Board and Chair functions. Next to other mentions he got the German Order of Merit in 2002.



**Armin Haas**

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Armin Haas is leading the research group “Bayesian Risk Solutions” at Potsdam Institute for Climate Impact Research PIK. Armin has been trained as an economist at the University of Karlsruhe, Germany. In his Ph.D. thesis, he applied stochastic dynamics to cartel theory. He is interested in the credit mechanism, which allocates resources in real economies. Armin contributes to the management of the European Climate Forum. He is founding member of the Munich Climate Insurance Initiative. In 2006, he has started a project on mainstreaming the management of climate risks by German financial service providers.



**Kirsty Hamilton**

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Policy Consultant; Associate Fellow, EEDP, Chatham House, Renewable Energy Finance-Policy Project



**Kate Hampton**

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Kate Hampton is Vice President Market Development of Climate Change Capital and responsible for relations with the policy community. She rejoined the company in January 2006 from a year's secondment as a Senior Policy Advisor to Defra for the UK's G8 and EU Presidencies where she worked on the future of international climate change policy. Before joining CCC, Kate was Head of the Climate Change Campaign for Friends of the Earth International. Kate holds a BSc from the London School of Economics and a Master in Public Policy from the Kennedy School of Government at Harvard University.

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**Bill Hare**

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Bill is a Physicist and Environmental Scientist. Currently he is a Visiting Scientist at the Potsdam Institute for Climate Impact Research and is on paid leave from Greenpeace International, where he worked as Climate Policy Director from July 1992, responsible for the organization's contribution to the United Nations Framework Convention on Climate Change (UNFCCC) and Kyoto Protocol negotiations.



**Klaus Hasselmann\***

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Prof. Dr. Klaus Hasselmann is Emeritus and founding Director of the Max-Planck-Institute of Meteorology in Hamburg, Germany. He lectured at Hamburg University, Germany, at the Scripps Institute of Oceanography and at Woods Hole Oceanographic Laboratory, USA. In 2002 he received the Wilhelm-Bjerknes-Medal of the European Geosciences Union (EGU).



**Hanns Michael Hölz**

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Mr. Hölz is responsible for Deutsche Bank's Sustainable Development and represents Deutsche in national and international committees, e.g. UN Global Compact (Member of Kofi Annan's former Advisory Council), Chairman UNEP FI (2000–05) and Bellagio Forum for Sustainable Development, WBCSD, GRI and econsense. The last 15 years he has dedicated to shaping the debate on sustainable development, focusing on communicating the new sustainability paradigm achieving stable ecological, economic and social conditions, e.g. the concept of microfinance or peace parks. In 2003 he was honoured with the B.A.U.M. Environment Award.



**Peter Höppe\***

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Peter is the head of the Geo Risk Research Department at Munich Re. Prior to joining Munich Re in 2004, he was professor of applied meteorology and environmental science at the University of Munich. He holds a Master in meteorology and Ph.D's in physics and human biology. His main areas of research are the assessment of environmental risks (atmospheric processes and air pollutants on humans).

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**Carlo Jaeger**

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Prof. Dr. Carlo Jaeger holds a M.A. in Sociology, a Ph.D. in Economics and a Habil. in Human Ecology. Since 2000 he is the Head of the Social Systems department at Potsdam-Institute for Climate Impact Research and Professor of Modelling Social Systems at Potsdam University. He is member of the Steering Committee and President of the European Climate Forum.



**Yu Jie**

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Currently Yu Jie is the program advisor for Heinrich Boell Foundation China desk. She worked with Greenpeace for 3 years as climate and energy campaign advisor. She is one of the authors of China's first wind energy scenario report and had worked on various campaign projects to promote sustainable energy policy in China. Since 2004, she had worked as a Greenpeace international team member at climate negotiation. Before she had worked as a political journalist for a HK newspaper. She holds MA degree on journalism and is a Ph.D candidate on political science at Nanjing University.



**Ola M. Johannessen**

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Ola is the Founding Director of the Nansen Environmental and Remote Sensing Center. He is a professor of oceanography and remote sensing at the Geophysical Institute of Nansen University, Bergen, Norway. His research has concentrated on processes in the marginal ice zone, where much of the dynamics around ice covered ocean occurs. Central themes have been deepwater formation, changes in the ice cover's extent and the global ocean circulation.



**Walter Kahlenborn**

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Director of Adelphi Research and of Adelphi Consult as well as Director of the German Sustainable Investment Forum

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**Etem Karakaya**

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Dr. Etem Karakaya is lecturer in economics department at Adnan Menderes University, based in Aydin, Turkey. He is currently seconded working at the European Environment Agency as a project manager in climate change and energy group. His work area covers costing issues of climate change and scenarios. Etem Karakaya graduated at Ankara University as an economist. Then he completed his masters degree at Leicester University in European Economic Studies. He, then, did his PhD at the Nottingham Trent University, UK. Dr. Karakaya studies on costs of inaction to climate change, Kyoto flexible mechanisms and security of energy supply and he has several publications on these areas.



**Claudia Kemfert\***

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Claudia Kemfert studied economics at Oldenburg, Bielefeld (Germany) and Stanford University (USA). She was the first associate professor in Germany who got a tenured professor position. Claudia Kemfert advises EU president José Manuel Barroso in a "High level Group on Energy", and she acts as an external expert for the World Bank, the United Nations and the Intergovernmental Panel of Climate Change (IPCC). She is Head of DIW Berlin Department of Energy, Transportation, Environment.



**Gerhard Knies**

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**Manfred Konukiewitz**

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Dr. Manfred Konukiewitz is Deputy Director General, Global and Sectoral Policies, German Federal Ministry for Economic Cooperation and Development and has been involved in numerous international partnerships linked to energy issues, like the EU Energy Initiative, the World Bank-led Energy Services Management Assistance Programme (ESMAP), and the Renewable Energy Policy Network for the 21<sup>st</sup> Century (REN21). Before that he was seconded to the UNEP, Nairobi, appointed as Senior Advisor to Under-Secretary-General Klaus Toepfer. Mr. Konukiewitz holds a Ph.D. in Political Science.



**Wolfgang Kröger**

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Wolfgang Kröger has been Ordinarius at the ETH Zurich since 1990 and director of the Laboratory for Safety Analysis. His focus is on modeling, analysis and optimization of complex technical systems. He also is Founding Rector and Board member of the International Risk Governance Council established in 2003. Until then he headed nuclear energy and safety research at the Paul Scherrer Institut, Switzerland, where he was also on the board of directors.



**Mark Lawrence\***

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Mark Lawrence is a group leader at the Max Planck Institute for Chemistry. His group develops and applies numerical models to study atmospheric chemistry, tracer transport, and chemistry-climate interactions. Focal points include: global chemical weather forecasting; intercontinental pollution transport; clouds, precipitation, and lightning and their effects on gases and aerosols; pollutant outflow from megacities; chemical oxidation mechanisms; land-atmosphere and ocean-atmosphere exchanges; and biosphere-atmosphere-climate feedbacks.



**Vanja Markovich**

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Vanja Markovic is a Senior Associate of the University of Cambridge Programme for Industry where she is coordinating the European Corporate Leaders Group on Climate Change and a member of the core faculty of the Prince of Wales Business and the Environment Programme. She sits on the Dow Chemical Corporate Environmental Advisory Council and the Advisory Board of 3E Company. Prior to that, she was Director of European and Corporate Affairs in Kraft Foods for EMEA. Her doctoral and post-doctoral research was in physical chemistry at Bristol University, England.

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**Klaus Milke**

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Klaus Milke is a consultant on environmental (climate) and development issues. He studied Economics, Sociology and Political Science and is co-founder and later chairman of the board of Germanwatch, a Bonn and Berlin based NGO, active on north-south-, environmental and human rights issues. Founder in 1997 and chairman of the Germanwatch-oriented “Stiftung Zukunftsfähigkeit” in Bonn and initiator of “atmosfair”.

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**Jennifer Morgan**

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Climate & Energy Program Director, E3G



**Chris Mottershead**

Chris is currently Distinguished Advisor Energy and Environment, and provides leadership to the BP Group on making its products and operations consistent with the principles of sustainable energy and the environment. He is also Director of the Carbon Trust in London and the Center for Clean Air Policy in Washington, and on the Advisory Boards of the National Center for Atmospheric Research in Boulder, the Climate Group, the UK Engineering and Physical Sciences Research Council and the G8+5 Legislators and Business Leaders Climate Change Dialogue.



**Herman Mulder**

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Senior Advisor UN Global Compact Office,  
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European Representative, The Nature Conservancy, USA



**Antonio Navarra**

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Antonio Navarra graduated in Physics in Bologna in 1980 and has got a Ph.D. at the Geophysical Fluid Dynamics Laboratory of Princeton University. He is Dirigente di Ricerca at the National Institute of Geophysics and Volcanology, where he carries out his activity in the field of the climate simulation with general circulation numerical models. He is President of Centro Euro-Mediterraneo per i Cambiamenti Climatici. His scientific interests focus on the investigation of the dynamical mechanisms which control climate on the global scale.



**Luis Neves**

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Luis Neves holds an University degree in History at Lisbon University. Luis worked for more than 25 years for Marconi as Head of Department and lately at the Corporate Office. He started an international career which lasted 14 years. In 2004 he joined the Deutsche Telekom Corporate Sustainability and Citizenship Department where he is responsible for Strategy and Supply Chain Management. Since March 2006 he is the President of GeSI.



**Junko Noguchi**

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Junko Noguchi holds an M.A. in Geography. From 2003-05 she was employed at the Aid Policy Division, Economic Cooperation Bureau at the Ministry of Foreign Affairs of Japan (Tokyo). Since 2006 she is working as a researcher and advisor at the Economic, Social & Developmental Affairs Division Embassy of Japan in Berlin, Germany.

## List of Participants

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Background papers are available from participants labelled with \*.



**Fritz Reusswig\***

fritz@pik-potsdam.de

Fritz Reusswig studied sociology and philosophy at the J.W. Goethe University in Frankfurt (Main). In 1995, Fritz joined the *Potsdam Institute for Climate Impact Research* (PIK). Fritz is leading a research platform on *Lifestyles, Consumption and Sustainable Development* (LSD). His current research activities focus on the emergence of a global consumer society, modelling the global lifestyle dynamics, and public perception of climate change. Parallel to his PIK research he gives lectures at the universities of Potsdam and Cottbus.



**Erck Rickmers**

info@er-ship.com

Mr Erck Rickmers founded the Nordkapital Group in 1992 which is active in Shipping, Real Estate and Private Equity (investment volume USD 6.5 bn). In 1996 foundation of Nordkapital Treuhand, in 1998 foundation of E.R. Schifffahrt (fleet of 78 container vessels and 11 platform supply vessels), in 2001 foundation of Nordcapital Real Estate (USD 700 m investment volume), and in 2006 foundation of Nordcapital New Energy followed. He supports a competition for Hamburg scholars on climate protection ideas and invited and prompted Hamburg high school students to watch the Al Gore movie „An inconvenient truth“.



**Antonio Ruiz de Elvira\***

ant@not-clima.net

Prof. Ruiz De Elvira holds a Ph.D in Physics. Since 2002 he is Professor of Applied Physics, University of Alcalá, Spain. Before he was Director of the Department of Marine Climate (DMC) in the Spanish State Harbour Concern. During that time the DMC put into operation the twice-daily wave forecast for the European waters, a tidal model, a data base of the buoy data collected by a very dense network of wave and oceanographic buoys deployed during these years around the Spanish coasts, and started work in the wave measurement using coastal radars.



**Karsten Sach**

Karsten.Sach@bmu.bund.de

Dr. Karsten Sach holds a Ph.D in Law. From 1991-93 he worked for the Division “Protection of the Marine Environment, International Water Protection Law” at the Ministry for the Environment, Nature Conservation and Nuclear Safety, Germany. From 1993-97 he was the Environment Attaché of the Permanent Representation of Germany to the EU. From 1999 he was Head of Division “International Co-operation, Global Conventions, Climate Change” and from 2004 Deputy Director General of the “International Cooperation” Division at the Ministry for the Environment, Nature Conservation and Nuclear Safety, Germany (BMU).

## List of Participants

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Background papers are available from participants labelled with \*.



**Hans-Joachim Schellnhuber**

[schellnhuber@pik-potsdam.de](mailto:schellnhuber@pik-potsdam.de)

Professor Hans Joachim Schellnhuber, CBE, trained in physics and mathematics. 1991: Founder of the Potsdam Institute for Climate Impact Research. 2001-2005 Research Director of the Tyndall Center for Climate Change Research, UK, since then: affiliation with Oxford University. Currently Chief Government Advisor on climate and related issues for the German G8-EU twin presidency and member of the High Level Expert Group advising EU President Barroso. His work on climate change has earned him numerous honours.



**Falk Schmidt**

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Scientific Officer, International Human Dimensions Programme on Global Environmental change (IHDP)



**Andrey Borisovich Shmakin**

[andrey\\_shmakin@mail.ru](mailto:andrey_shmakin@mail.ru)

Andrey B. Shmakin holds a Ph.D from the Institute of Geography at the Russian Academy of Sciences. He has been working as researcher at the Institute of Geography, and had been visiting scientist at NOAA/Princeton University, USA, until 2000. Since 2003 he is the Head of Laboratory of Climatology at the Russian Academy of Sciences.



**Stephan Singer**

[ssinger@wwfepo.org](mailto:ssinger@wwfepo.org)

Head WWF European Climate and Energy Unit

## List of Participants

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Background papers are available from participants labelled with \*.



**Hans Christian Sørensen\***

[hcs@wavedragon.net](mailto:hcs@wavedragon.net)

Hans Christian Soerensen has a PhD degree in structural engineering and a degree in international business from Copenhagen Business School. He has more than 30 years of experience as project manager of industrial development and research. He has been among the founders of the Middelgrunden 40MW offshore wind farm and the Wave Dragon companies in Denmark, UK and Portugal. He is board member of the Danish Wind Turbine Owners Association and the newly established European Ocean Energy Association. He is chairman of the board of the Wave Dragon companies.



**Susanne Stoll-Kleemann**

[susanne.stoll-kleemann@agrar.hu-berlin.de](mailto:susanne.stoll-kleemann@agrar.hu-berlin.de)

Susanne Stoll-Kleemann is an Associate Professor at the Humboldt University of Berlin and is trained in human geography. She leads the GoBi (Governance of Biodiversity) Research Group. Before this recent appointment, she was a senior researcher at the Potsdam Institute for Climate Impact Research. Her research interests are in the human dimensions of global environmental change and sustainability science, especially stakeholder dialogues. Susanne is the Vice-President of the German Society of Human Ecology.



**Vera Tekken**

[vera.tekken@pik-potsdam.de](mailto:vera.tekken@pik-potsdam.de)

Vera Tekken holds a German diploma (Master equivalent) in Human and Social Geography and Political Science. Since 2004 she is working at PIK with research focus on vulnerability and impact analysis and on regional and/or institutional adaptation strategies to climate change. She lectures at Potsdam University, Germany. Before that she was working for IRS Institute for Regional Development and Structural Planning in Erkner, Germany, and for the Ministry of Agriculture, Environmental Protection and Regional Planning (MLUR) Brandenburg, Germany.



**Margo Thorning\***

[MThorning@accf.org](mailto:MThorning@accf.org)

Managing Director International Council for Capital Formation

## List of Participants

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Background papers are available from participants labelled with \*.



**Klaus Töpfer**

Former Undersecretary General of the United Nations, United Nations Environment Programme



**Georges Valentis**

Managing Director, Veolia Environment



**Gerd-Rainer Weber**

Gerd-Rainer.Weber@gvst.de

Gerd Weber undertook undergraduate and graduate studies in atmospheric sciences at the Free University of Berlin, during which time he was a Fulbright and Indiana University Scholar. Further study in America gained him an M.Sc. degree in atmospheric sciences from the University of Michigan. He returned to the Free University of Berlin to study for his Meteorology PhD in conjunction with the Max-Planck Institute of Aeronomy. Since 1985, Dr Weber has been a scientist with the German Coal Mining Association. He is responsible for scientific research, policy analysis and consultancy in the fields of the environmental impact of coal use, particularly problems related to air pollution and global warming.



**Martin Welp**

mwelp@fh-eberswalde.de

Prof. Dr. Martin Welp is engaged at the University of Applied Sciences Eberswalde (near Berlin) in the Faculty of Forestry. Before this recent appointment as Professor of Socioeconomics and Communication, he was a senior researcher at the Potsdam Institute for Climate Impact Research (PIK). He has headed research projects on public participation and stakeholder dialogues in various fields of environmental management, including forest management, coastal management, protected area management, and global change management.

## List of Participants

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Background papers are available from participants labelled with \*.



**Wolfgang Wetzel**

NORDCAPITAL Stiftung



**Markus Wolf**

markus.wolf@power.alstom.com

Dr. Markus Wolf holds a Diploma in Chemistry and a Ph.D in Physical Chemistry. Since 2002 he is working with ALSTOM (Technology Centre) in the fields of catalytic combustion in gas turbines and zero emission plants. Since 2003 he is responsible for CO<sub>2</sub> Policy /Emission Trading /Kyoto legislation. He is Representative on behalf of ALSTOM in the M.I.T Global Change Program, IEA Green House Gas program, in CO<sub>2</sub> relevant Task forces of the CEPS (Centre of European Policy Studies) in Brussels, and for the Norwegian BigCO<sub>2</sub> Research Program.



**Stephan Wrage**

contact@skysails.com

Founder, Skysails



**Francesco Presicce**

Italian Environment Ministry

## List of Participants

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Background papers are available from participants labelled with \*.



**Mario Lionetti**

Italian Environment Ministry



**Guido Axmann**

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TPA Life GmbH

## Conference Location

### Financing the Next Industrial Revolution - Global Investments for Climate and Energy Security

**When:** Berlin – March 26 – 27, 2007

**Where:** Hauptstadtrepräsentanz Deutsche Telekom  
Französische Straße 33 a-c  
Berlin-Mitte

**Conference Room 1**

#### For further information please contact:

**Andrea Peschel**

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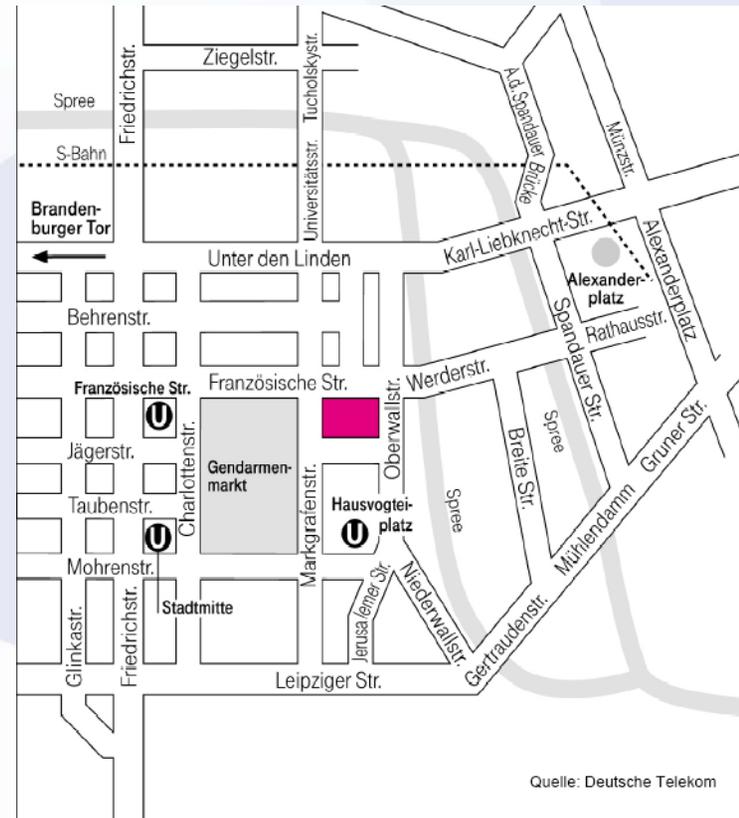
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or

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[melanie@european-climate-forum.net](mailto:melanie@european-climate-forum.net)

phone +49-30-440 34 077, cell +49-179-8716093



## Important Information on Hotel, Locations and Dinners

### Hotel 1

#### Hotel Augustinenhof

Auguststraße 82

10117 Berlin-Mitte

phone. +49 (30) 3 08 86- 0

fax +49 (30) 3 08 86- 579

email: [augustinenhof@albrechtshof-hotels.de](mailto:augustinenhof@albrechtshof-hotels.de)

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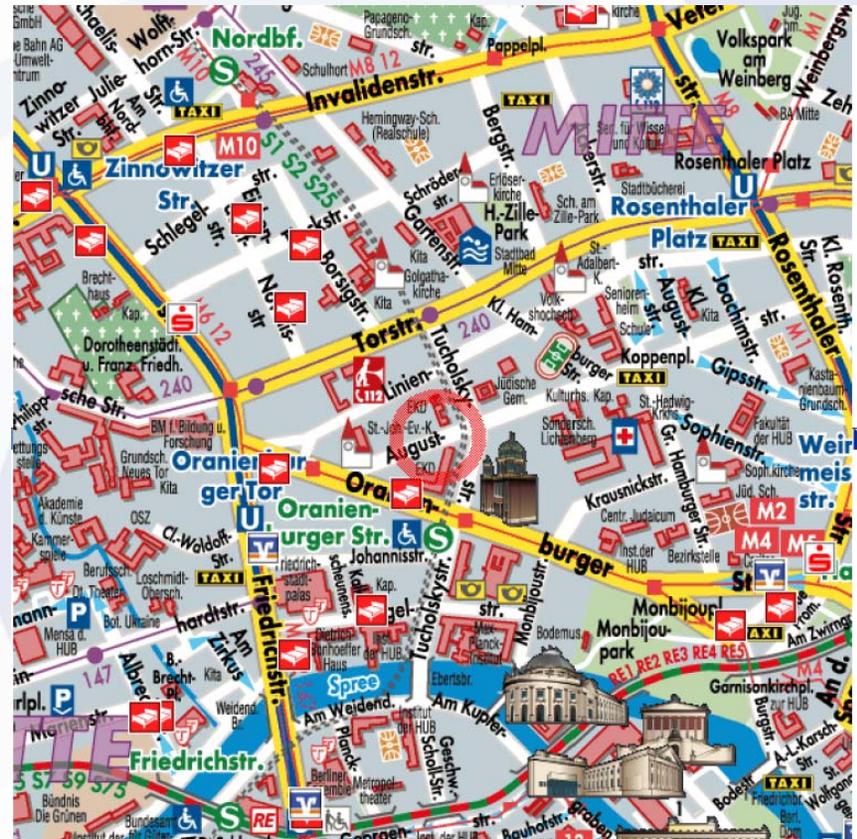
phone+49-30-40048482, cell +49-175-5934569

or

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phone +49-30-440 34 077, cell +49-179-8716093



## Important Information on Hotel, Locations and Dinners

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### How to get to Hotel Augustinenhof by public transport

#### **Coming from TEGEL airport:**

Get out of the airport area and take the bus 128 route to the underground station Kurt- Schumacher- Platz. Now change into underground route U6, direction Alt- Mariendorf. Get off at the station Oranienburger Tor (Oranienburg Gate). Now turn right into the Oranienburger Straße and take the second street on the left, the Auguststrasse. After 100m you will find the hotel on the left side.

#### **Coming from SCHÖNEFELD Airport:**

Go by urban railway S9 (direction „Zoologischer Garten“), step off at station „Friedrichstraße“. Change into the railway train S1, direction “Oranienburg”, "Bernau", or "Henningsdorf" and get off at the station “Oranienburger Strasse”. When leaving the station, turn left into the Tucholskystr, and turn into the next street to your left, the Auguststrasse, where the hotel is situated.

#### **Coming from the central station (Berlin HAUPTBAHNHOF, formerly Lehrter Stadtbahnhof):**

You can reach the hotel from the central station by city railroad (“Tram”) inbetween a few minutes. All lines in the direction of "Ostbahnhof", "Straußberg", "Ahrensfelde" or airport "Schönefeld" stop at the station „Friedrichstrasse“ where you get off. Change into the railway train S1, direction “Oranienburg”, "Bernau", or "Henningsdorf" and get off at the station “Oranienburger Strasse”. When leaving the station, turn left into the Tucholskystrasse, and turn into the next street to your left, the Auguststrasse, where the hotel is situated.

## Important Information on Hotel, Locations and Dinners

### Hotel 2

#### Victor's Residenz-Hotel Berlin

Am Friedrichshain 178

D-10407 Berlin - Prenzlauer Berg

phone +49 (30) 2 19 14 - 0

fax +49 (30) 0 30 2 19 14 - 199

email [info.berlin@victors.de](mailto:info.berlin@victors.de)

#### For further information please contact:

##### Andrea Peschel

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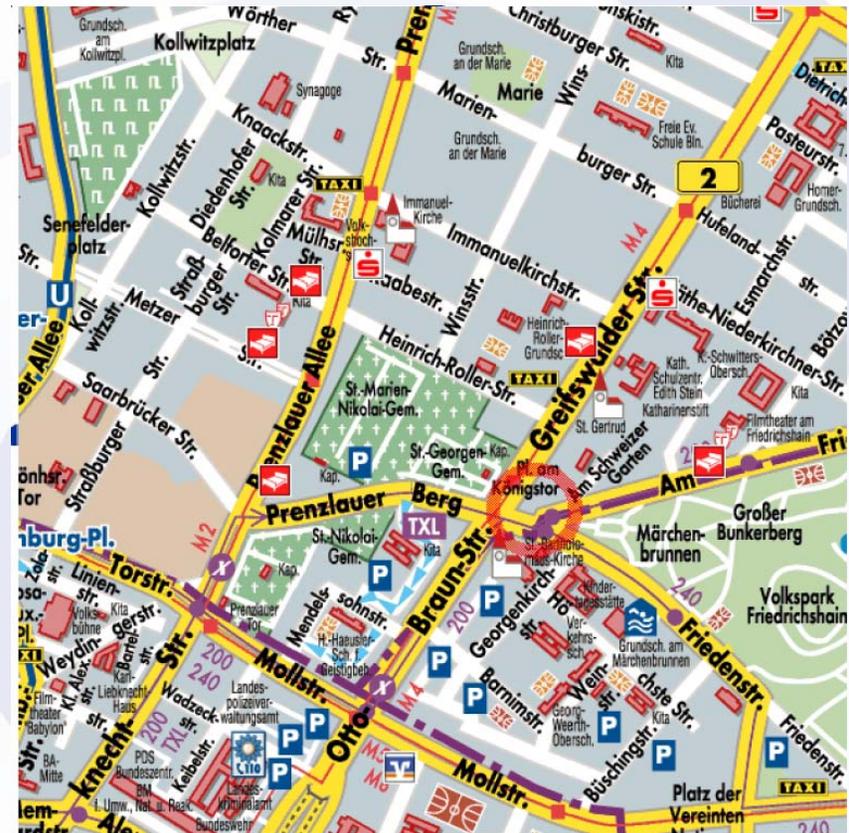
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## Important Information on Hotel, Locations and Dinners

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### How to get to Victor's Residenz-Hotel Berlin by public transport

Coming from airport Tegel, Tempelhof or Schönefeld: Continue your journey by bus or local train (S-Bahn) towards Berlin/Ostbahnhof, see below for instructions from Ostbahnhof.

Coming by train to Berlin/Ostbahnhof: Continue your journey with bus no. 240, towards Robert-Koch-Platz, get out at the bus stop “Am Friedrichshain“.

Coming from Berlin/Hauptbahnhof - Lehrter Bahnhof (central station): Take S-Bahn to „Alexanderplatz“, at “Alexanderplatz” change and take bus 200 to „Michelangelostraße“. Leave bus at bus stop “Friedrichshain”. You may also walk to Victor’s from “Alexanderplatz” (the hotel is about a 15 minutes walk from there).

## Shuttle Hotel – Conference/Dinner venues

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For getting from your hotel to the conference venue, the **Hauptstadtrepräsentanz der Deutschen Telekom, Französische Straße 33 a-c in Berlin-Mitte**, we will provide some van taxis that will be waiting for you in front of your hotel in the **morning of March 26**. They will leave for the conference venue **at 9:15 am**.

**After dinner on March 26**, we will provide some van taxis to take you to the hotel. The taxis will be there **at app. 22:30 pm**. The restaurant is in walking distance from the conference venue. In the **morning of March 27**, the taxis will pick you up **at 8:30 am** in front of your hotel. **After dinner on March 27**, we will provide taxis back to your hotel at **approx. 21:00 pm**. The restaurant we chose for the 27<sup>th</sup> is also in walking distance from the conference venue.

### **Dinner on March 26 and March 27**

At the end of the first conference day, March 26, you are cordially invited to join us for dinner at the

#### **Brasserie am Gendarmenmarkt**

Taubenstrasse 30

10117 Berlin

Dinner will start at 20:00 pm.

**Hans Michael Hölz**, Global Head Sustainable Development, Deutsche Bank, will give a dinner speech. We hope for a lively discussion among all participants afterwards.

At the end of the second conference day, March 27, we invite those of you who stay to an informal dinner at the

#### **Restaurant Goodtime**

Hausvogteiplatz 11a

10117 Berlin

We have made reservation there for 19:00 pm.

Both restaurants we chose are in closest vicinity of the conference venue. We will walk there with you.



## Announcement Springer Book “Climate impact hotspots – Key vulnerable regions and climate change”

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**Editors:** William Hare, Antonella Battaglini, Carlo Jaeger, Wolfgang Cramer

**Potsdam Institute for Climate Impact Research, Potsdam Germany**

The book presents a coherent series of papers on the question of what may be dangerous climate change in a set of key vulnerable regions. On that basis it provides a global assessment of the subject. The book builds on scientific material collected at an international symposium in Beijing in 2004 – organized by the European Climate Forum (ECF) and the Potsdam Institute for Climate Impact Research (PIK) in co-operation with the Institute of Atmospheric Physics, Beijing University, the Nansen-Zhu International Research Centre (Beijing), Research Centre for Sustainable Development (Beijing) and the Sino-German Centre for Science Promotion (Beijing) (see [www.european-climate-forum.net](http://www.european-climate-forum.net)) – whose findings have been used and cited in the draft IPCC AR4 report. This material has been reviewed and further elaborated to provide a coherent volume. The book starts out with a discussion of policy and scientific issues relevant to a discussion of Article 2 at the regional level. It then focuses on several world regions where different chapters explore the impacts of projected climate change on ecosystems, food production and sustainable development. It concludes with a synthesis of the findings of the Symposium and its subsequent work relevant to a determination of Article 2 of the UNFCCC.

### **Objectives of the book**

The book attempts to identify, from the perspectives of the authors and their research, reasonable thresholds and/or limits to human induced climate change impacts on ecosystems, food production and sustainable development in relation to the ultimate objective (Article 2) of the United Nations Framework Convention on Climate Change. The chapters in the book provide more detailed analysis and information than is likely to be found in the IPCC Assessment Report Four (AR4), which is due to be published also in 2007. In contrast to the IPCC consensus assessment this book will provide a more individualistic perspective, and, whilst avoiding speculative conclusions, is likely to be more provocative.

The book is targeted to the scientific community, policy-makers, climate negotiators, science journalists, students and the interested public. Defining dangerous level of climate change is a problem that cannot be solved by scientists and policy makers alone. It is necessary to engage a broader public.

**Pre-orders your copy at: [info@European-Climate-Forum.net](mailto:info@European-Climate-Forum.net)**

## ECF Membership Application Form

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**PLEASE FAX to +49-331-288 2600**

European Climate Forum  
c/o Potsdam Institute for Climate Impact Research (PIK)  
P.O. Box 601203  
14412 Potsdam, Germany  
Tel. +49 (0)331 288 2670  
Fax +49 (0)331 288 2600  
E-mail: [info@European-Climate-Forum.net](mailto:info@European-Climate-Forum.net)  
Internet: <http://www.European-Climate-Forum.net>

### ECF membership

Dear Prof. Jaeger,

With this letter we wish to express our interest to become a member of the European Climate Forum (ECF). We accept the statute of the association and we look forward to your response to our application.

Name of the organisation \_\_\_\_\_

Name of the contact person \_\_\_\_\_

Address \_\_\_\_\_

Country \_\_\_\_\_

Tel. \_\_\_\_\_

Fax \_\_\_\_\_

Email \_\_\_\_\_

Home page \_\_\_\_\_

Yours sincerely,

## CarbonConsciousConference\*

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The ECF Annual Conference 2007 is a carbon-conscious conference. The emissions produced by the conference are being compensated directly via EU ETS by TheCompensators\*. We would like to use this opportunity and invite all of you to compensate for the emissions which you can not avoid. TheCompensators\* will enable you to become carbon-conscious, too. Please consider becoming a member of TheCompensators\* and contribute in transforming EU ETS into an effective tool for triggering investments into climate-friendly technologies.

See next page for TheCompensators\*application form.





## TheCompensators\* Membership Application

(Please fax or send per post to number/address given below)

Dear Hannah Förster

With this letter I/we wish to express our interest to become a member of TheCompensators\*. I/We accept the statute of the association and I/we look forward to your response to our application.

name of organization

(only for legal entities):

\_\_\_\_\_

name of contact person:

\_\_\_\_\_

address:

\_\_\_\_\_

ZIP, City:

\_\_\_\_\_

country:

\_\_\_\_\_

phone:

\_\_\_\_\_

fax:

\_\_\_\_\_

email:

\_\_\_\_\_

homepage:

\_\_\_\_\_

Yours sincerely,

\_\_\_\_\_

(Date, Signature)

### TheCompensators\* Membership Fees

Member Type	Admission fee	Monthly Membership Fee
INDIVIDUAL	none	1 emission allowance (value on date of application, minimum €5,00, maximum €30,00)
BUSINESS	100 emission allowances (value on date of application, maximum €1000)	10 emission allowances (value on date of application, minimum €50,00, maximum €300,00)

TheCompensators\* e.V. Haydnstr. 1, 12203 Berlin, Germany | info@thecompensators.org | thecompensators.org  
+49 162 544 8084 (German & English) | +49 179 3186292 (English & Italian) | fax: +49 33201 44876 | Account#: 4019 259 600 | BLZ: 430 609 67 | IBAN: DE2443060967401 92596001 BIC: GENDEM1GLS

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