GCF Annual Conference

Financial Risks, Green Growth and Jobs

Challenges to Global Systems Science: From Climate Change to Market Governance

A conference organized by the Global Climate Forum (GCF),
the Global Systems Dynamics & Policy network (GSDP)
and the Integrated Risk Governance Project (IRG Project)

3–4 May, 2012
Barcelona, World Trade Centre

Picture: Carlos Lorenzo / barcelonaphotoblog.com

Global Climate Forum | global systems dynamics & policy | IRG-Project [Integrated Risk Governance Project]

Outline

/ The global financial crisis has thrown a harsh light on the inadequate governance of global systems. While in emerging economies economic progress has resumed, many hard-hit countries, e.g. in Southern Europe, feel stuck in a global financial system outside their control. Populations are facing mass unemployment and public unrest is rising. There is also a notable reaction within Western economies against a perceived unfair distribution of wealth and the fact that global environmental risks are left unattended.

/ The combination of financial instability and slowing growth needs a comprehensive response. A green growth strategy offers the opportunity to turn sufficient amounts of financial capital into entrepreneurial investment. Transforming the cities, businesses and homes so as to increase welfare while reducing damages to the environment is widely seen as a desirable goal and can trigger the investments needed to create global growth. The lack of efficient global market governance, however, makes the implementation of this strategy an arduous task.

/ Developing global markets governance will go hand in hand with developing global systems science. Advanced Information and Communication Technologies (ICT) will be essential: they can help fostering global learning communities, developing global decision support systems, and perceiving the links between various global systems. In particular, they are urgently needed to develop more accurate models about how the economy really works in the context of global change.

/ Global systems science requires models and evidence-based policy appraisals that span the whole range of scales from local and regional to global decision-making. The multidimensionality of global problems and the interconnectedness of decisions across different policy sectors have to be reflected in a transdisciplinary approach involving political scientists, economists, philosophers, psychologists, and more. At the same time, ICT opens a vast range of opportunities for social dialogues, and new venues for political participation. Researchers, policy makers and new global communities can work on the possibilities that ICT offers for global systems understanding and renewal.

/ Our two-day conference intends to steer in-depth conversations to help understanding these challenges and design robust strategies to deal with them. The conference is structured through four plenary sessions and three break-out group sessions. The break-out groups topics will be decided during the conference so as to integrate participants' input. The discussions in the groups should take stock of key insights as well as controversial issues of the considered topic. The results will be presented and discussed in plenary sessions.

Conference Agenda

Thursday, May 3, 2012

/ 8.30 – 9.00 Registration

/ 9.00 – 9.15 Introduction
Carlo Jaeger, Professor, GSDP Project Coordinator and Chair of the Global Climate Forum

/ 9.15 – 9.30 Welcome address
Arnau Queralt, Director of the Catalan Advisory Council for Sustainable Development

/ 9.30 – 11.15 **Plenary session 1:**
Modelling the economy and its markets – Expectations and challenges
Moderator: **Prof. Carlo Jaeger**

The challenge of a new perspective
Eric Beinhocker, Director, Institute for New Economic Thinking, Oxford, and Project Leader of CRISIS

The financial crisis: consequences for macroeconomic modelling
Werner Roeger, Head of Unit, DG ECFIN, European Commission

Modelling challenges for the near future:
income inequality, financial systems, and exhaustible resources
Michael Kumhof, Modeling Division, International Monetary Fund

The future of Global Systems Science
Ralph Dum, Information Society and Media Future and Emerging Technologies, European Commission

/ 11.15 – 11.30 Coffee break

/ 11.30 – 13.00 **Break-out groups**

Break-out group I
Chair: **Michael Kumhof**, Modeling Division, International Monetary Fund

Break-out group II
Chair: **Werner Roeger**, Head of Unit, DG ECFIN, European Commission

Break-out group III
Chair: **Ralph Dum**, Information Society and Media and Future and Emerging Technologies, European Commission

/ 13.00 – 14.15 Lunch

/ 14.15 – 14.45 **Presentation of results of break-out groups to the plenary**

/ 14.45 – 16.15 **Plenary session 2: Climate Policy and Green Growth**
Moderator: **Sony Kapoor**

Seizing the opportunity of green development in China
Yongsheng Zhang, Professor, Deputy Director General, Department of Development Strategy and Regional Economy. Development Research Centre of the State Council. P. R. China

Sustainable and (im)possible? Green growth in Eastern Europe
Diana Mangalagiu, Professor, University of Oxford and Sciences Po Paris

Sustainable investment
Peter Höppe, Professor, Head of Geo Risks Research, Munich Re

A regional approach to green economy and climate change –
The case of Catalonia
J. David Tàbara, Senior researcher, Global Climate Forum and Autonomous University of Barcelona

/ 16.15 – 16.30 Coffee break

/ 16.30 – 17.15 **Financial markets and regulation**

Erkki Liikanen, Governor of the Bank of Finland, member of the Governing Council of the European Central Bank and former European Commissioner for Information Society and Enterprise

/ 17.15 – 18.45 **Break-out groups**

Break-out group I
Chair: **Sony Kapoor**, Managing Director, Re-Define

Break-out group II
Chair: **Kerstin Niblaeus**, Stockholm Environment Institute

Break-out group III
Chair: **Thomas Fricke**, Journalist, Financial Times Deutschland

/ 19.00 Drinks at the Hotel Grand Marina

/ 20.00 Social dinner at the Hotel Grand Marina

Conference Agenda

Friday, May 4, 2012

/ 9.00 – 9.30 **Brief reporting from the previous day break-out groups**

/ 9.30 – 10.30 **How information technologies can change the global dialogue**
Robert Madelin, Director General, DG INFSO, European Commission

/ 10.30 – 11.00 **A systemic crisis**
Lord Desai, Emeritus Professor, London School of Economics

/ 11.00 – 11.15 Coffee break

/ 11.15 – 12.30 **Plenary session 3:**
Global Markets governance and the emergence of global communities
Moderator: **Prof. Carlo Jaeger**

The crisis of democratic capitalism and the need for world market governance
Ulf Dahlsten, Potsdam University and London School of Economics

The inter-governmental order and the Cameron Report to G 20
Arancha González-Laya, Chief of Cabinet of the Director, World Trade Organisation

Sustainable Energy Mix – Global Pathways to 2050
Thierry Berthoud, World Business Council for Sustainable Development

Keynes, Schumpeter, and the environmental agenda
Giovanni Dosi, Professor, Sant'Anna School of Advanced Studies, Italy

/ 12.30 –14.00 **Break-out groups**

Break-out group I
Chair: **Diana Mangalagiu**, Professor, University of Oxford and Sciences Po Paris

Break-out group II
Chair: **Giovanni Dosi**, Professor, Sant'Anna School of Advanced Studies, Italy

Break-out group III
Chair: **Lord Desai**, Emeritus Professor, London School of Economics

/ 14.00 – 15.15 Lunch

/ 15.15 – 15.45 **Presentation of results of break-out groups to the plenary**

/ 15.45 – 16.45 **Final panel discussion: looking ahead.**
Chair: **Diana Mangalagiu**, Professor, University of Oxford and Sciences Po Paris
Sander van der Leeuw, Professor, Arizona State University
Carlo Jaeger, GSDP Project Coordinator and Chair of the Global Climate Forum
Ralf Dum, Information Society and Media Future and Emerging Technologies, European Commission

/ 16.45 – 17.00 **Conclusions**
Ulf Dahlsten, Potsdam University and London School of Economics

Participants

/ Beinhocker, Eric Institute for New Economic Thinking @ University of Oxford

/ Berthoud, Thierry World Business Council for Sustainable Development

/ Bichler, Marian Independent Researcher

/ Bisaro, Sandy Global Climate Forum

/ Broekhof, Martijn European Climate Foundation

/ Burck, Jan Germanwatch e.V.

/ Cañellas, Mireia Catalan Goverment, Ministry of Territory and Sustainability

/ Chabay, Ilan Institute for Advanced Sustainability Studies, Potsdam

/ Dahlsten, Ulf Global Climate Forum

/ Davis, Melanie IC3, Catalan Institute of Climate Sciences

/ Lord Desai London School of Economics

/ Dosi, Giovanni Sant'Anna School

/ Dum, Ralph European Commission

/ Ewald de Aceves, Franziska IC3, Catalan Institute of Climate Sciences

/ Fernandez-Sirera, Tatiana Catalan Government, Ministry of Economy

/ Ferrer, Núria Catalan Poly. Univ - Architecture & Sustainability

/ Flaschel, Peter Bielefeld University

/ Fosse, Jeremie eco-union

/ Fricke, Thomas Financial Times Deutschland

/ Gallehr, Sebastian E3G

/ Geisendorf, Sylvie ESPC Wirtschaftshochschule Berlin

/ Giupponi, Carlo University Ca' Foscari Venice & CMCC

/ Gonzalez Hidalgo, Marien Universitat Autònoma de Barcelona (UAB)

/ Haas, Jörg European Climate Foundation

/ Haas, Armin Potsdam Institut für Klimafolgenforschung

/ Han, Zhangang Beijing Normal University

/ Henning, Elke Global Climate Forum

/ Heras, María Universitat Autònoma de Barcelona (UAB)

/ Höppe, Peter Munich Re

/ Hu, Bo Universität der Bundeswehr München

/ Isager, Eva-Britt City of Bergen

/ Jaeger, Carlo Global Climate Forum

/ Jansson, Patrik Chalmers University

/ Kapoor, Sony Re-Define

/ Kovalevsky, Dmitry Nansen International Environmental and Remote Sensing Centre

/ Kumhof, Michael International Monetary Fund

/ Kunz, Hannes Institute for Integrated Economic Research Switzerland

/ Lass, Wiebke Potsdam Institut für Klimafolgenforschung

/ Lemkow, Louis Institut de Ciència i Tecnologia Ambientals (ICTA)

/ Li, Moxuan ClimaXmi

/ Liikanen, Erkki Bank of Finland

/ Luchtenberg, Sigrid Essen University

/ Madelin, Robert European Commission

/ Mangalagiu, Diana University of Oxford

/ Mazzucato, Mariana University of Sussex

/ Niblaeus, Kerstin Stockholm Environment Institute (SEI)

/ Perrissin Fabert, Baptiste CIRED

/ Persson, Kristina Global Challenge, Sweden

/ Queralt, Aranau Advisory Council for the Sustainable Development of Catalonia (CADS)

/ Richter, Stefan The Globalist

/ Rodés, Ferran Catalan Advisory Council on Sustainable Development

/ Roeger, Werner European Commission

/ Saurav, Raj Pant Jeunes Volontaires pour l'Environment- Nepal (JVE-NEPAL)

/ Schmidt, Falk Institute for Advanced Sustainability Studies, Potsdam

/ Schütze, Franziska Global Climate Forum

/ Spencer, Thomas The Institute for Sustainable Development and International Relations – IDDRI

/ Tàbara, Joan David Global Climate Forum

/ Tarrida, Marçal Catalan Poly. Univ – Architecture & Sustainability

/ Tubiana, Laurence Institute of Sustainable Development

/ Turhan, Ethemcan Universitat Autònoma de Barcelona (UAB)

/ Uson, Ezequiel Catalan Poly. Univ – Architecture & Sustainability

/ Wolf, Sarah Global Climate Forum

/ Zhang, Yongsheng Development Research Centre of the State Council. P. R. China

Organization

/ The conference is organised by the FP7 Coordination Action Global Systems Dynamics and Policy lead by the Global Climate Forum in cooperation with the Integrated Risk Governance Project. The Scientific Committee is chaired by Ulf Dahlsten and composed by Prof. Carlo C. Jaeger, Prof. Diana Mangalagiu and Prof. Qian Ye. Conference convener is Dr. J. David Tàbara.

/ In case of questions, please contact: J. David Tàbara
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About GCF

/ In 2001, a group of people representing European research institutes, NGOs, and businesses founded the European Climate Forum. Gradually, our network has expanded well beyond Europe, through linkages with America, China, Australia and other regions of the world. Therefore, in 2011 the members' assembly decided to change the name of the organization to **Global Climate Forum – GCF**.

/ The Global Climate Forum initiates and performs innovative research on climate change and related global challenges. We are an association of institutes, companies, NGOs and individual researchers. We work in the network of governments, corporations and social movements that has formed around the issue of climate change. We do this by embedding our research in long-term stakeholder dialogues. Our aim thereby is not necessarily to reach a consensus, but to develop a variety of well-considered opinions. Often, this is the best foundation for sound decisions.

/ Our studies provide arguments for long-term climate mitigation and adaptation policies, ultimately leading towards a sustainable development path. GCF joint studies focus on problems, which different stakeholders have differing views on. GCF's goal is to clarify differences and produce analyses that summarise and advance our state of knowledge in critical areas. The forum cultivates a pluralistic exchange in which different points of view are freely expressed and debated, on a basis of mutual respect.

/ For further information please see: *http://www.globalclimateforum.org*

About GSDP

/ Global Systems Dynamics and Policy is an FP7 funded coordination action to develop a research program and agenda for the study of global systems in an on-going dialogue with decision makers. The project started in October 2010 and will continue until October 2013. GSDP is organizing dialogues between developers and users of models and theories to support improved global governance.

/ GSDP will consolidate an international community of researchers in Global Systems Science engaged in dialogues with decision-makers, and will generate a variety of research and consultancy projects in Europe and elsewhere.

/ For further information please see: *http://www.gsdp.eu*

About IRG-Project

/ IRG-Project proposes an international research effort to learn how to deal with risks that exceed human coping capacities to cope with them. This effort shall use key insights developed by researchers operating in the framework of the International Human Dimensions Programme on global change as well as in other settings.

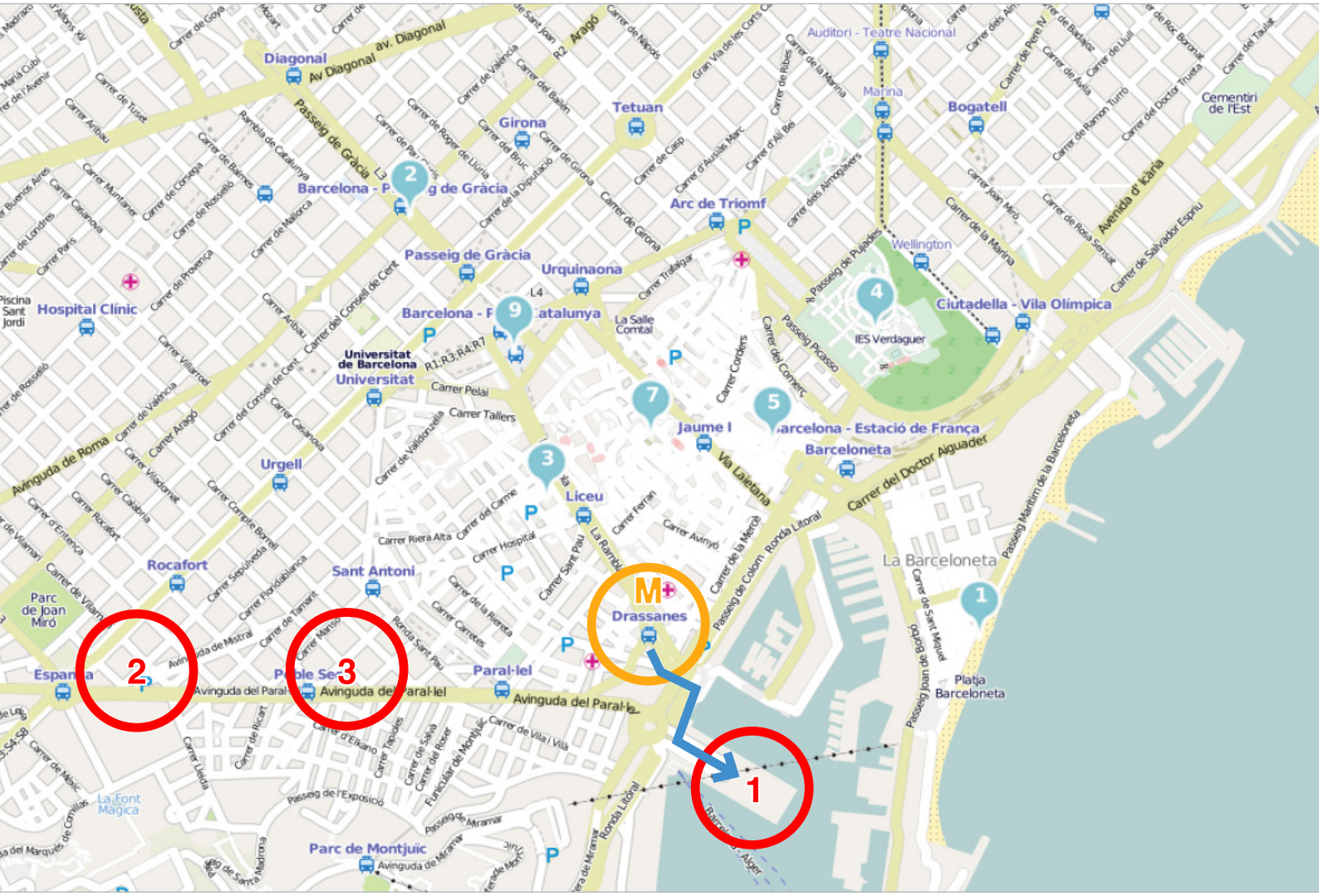
/ For further information please see: *http://www.irg-project.org*

How to get to the venue

/ The conference will take place at the World Trade Centre of Barcelona (red circle in Metro map). The closest station is Drassanes.

/ Moll de Barcelona, s/n
Edifici Est 1ª planta
08039 Barcelona

/ The complex is strategically situated with excellent access, right next to the city centre, just fifteen minutes from Barcelona airport, with easy access by road, rail, metro and public transport, as well as taxi services.



/ 1 World Trade Venue and Hotel Gran Marina
/ 2 Hotel Vilamari
/ 3 Hotel Silken Concordia

/ M Metro Drassanes

/ With metro: The WTC conference hall is less than 10 minutes walk from Drassanes metro station. Walk towards the sea, leave on your left the large monument of Christopher Columbus, pass right a large building and go towards large metal circles stick on the ground at the entrance of the WTC. Then go straight towards a square with some bar terraces: the conference venue is just in front of you.

Hotels

Eurostars Grand Marina Hotel

Moll de Barcelona, s/n

http://www.grandmarinahotel.com

/ The Eurostars Grand Marina Hotel is located directly in the World Trade Centre at the epicenter of the port of Barcelona, just two minutes from the monument to Christopher Columbus. The hotel offers its guests the chance to walk to the entire range of tourist, cultural and shopping sites in the centre of Barcelona: the Gothic Quarter, Las Rambas, Paseo Colón, Santa María del Mar church, the Liceo opera hours, the Picasso Museum, Paseo de Gracia, the Palau de la Música, Barceloneta, the Born neighborhood, Casa Batlló, Plaza Cataluña, La Pedrera, Montjuïc and a list as long as our guests' curiosity. The location of the Eurostars Grand Marina Hotel at the intersection of Paralelo and Ronda Litoral means that it is just a few minutes' drive in taxi to the airport and Sants train station.

/ Your reservation is provided under group booking name:
GSDP Conference: FINANCIAL RISKS, GREEN GROWTH AND JOBS

Hotel Vilamari

Vilamarí, 34-36

http://www.hotelvilamari.com

/ The Hotel Vilamari is located just 300 metres away from Plaza de España and the Barcelona Trade Fair, near the National Art Museum of Catalonia, the Fundación Joan Miró, the Botanical Gar¬dens, Ramblas, the Gothic neighbourhood and beach of Barceloneta. There is a bus stop (for the airport) just outside this city hotel, and the train station (AVE, the high speed train) is not far away. In a few words, this hotel provides its guests with superior quality and comfort that will measure up to their expectations.

/ Your reservation is provided under group booking name:
GSDP Conference: FINANCIAL RISKS, GREEN GROWTH AND JOBS

Hotel Silken Concordia Barcelona

Avinguda del Paral·lel 115

http://www.hoteles-silken.com/hotel-concordia-barcelona/en/

/ The Hotel Silken Concordia is a modern hotel, with all the advantages this brings in impeccable and modern fittings, furniture and design. And services like its IT point, for example. Its privileged position in Calle Paralelo is just a step away from the Plaza de España and the trade fair site at Montjuïc, the city's Conference Centre and its port. Paralelo is a lively thoroughfare where you will find a choice of theatres and entertainment in the vicinity. The Hotel is well placed for the main through roads serving the city, well served by public transport and only a few minutes away from the historic city centre.

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