

Economic Policy Forum (EPF)

HANDBOOK



Think Week

Sustainable Infrastructure Development – Challenges and Opportunities for Emerging Economies

Beijing, 2-5 November 2015

EMSD
EMERGING MARKET
SUSTAINABILITY DIALOGUES


EPF
ECONOMIC
POLICY FORUM
Emerging Economies
Think Tank Alliance for
High Quality Growth

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I. About the Organisers

Who we are

The **Economic Policy Forum (EPF)** is a growing global network of the world's leading political economy think tanks out of the G20, including emerging economies such as the BRICS, Mexico, Indonesia, Turkey, and others. It produces strategy and policy papers for governments and national policy-makers to inform top-end national and international policy processes. In this vein, EPF has been contributing to the BRICS Academic Forum, the official track-II coordinators of the annual BRICS summit. It also works on specific socio-economic issues for the G20, and has fed its policy proposals and research findings into the COP21 and Munich Security Conference. Its goal is to shape domestic and global economic policies with evidence-based policy recommendations.

The EPF Think week is organized in close cooperation with our sister network **Emerging Market Multinationals Network for Sustainability (EMM)**, a growing network of leading sustainability managers and executives of multinational companies that are based or operating in emerging economies. Jointly, they work on developing and implementing progressive sustainability and environmental standards, and turning them into successful business solutions that benefit the companies, their customers, stakeholders and the environment. The EMM network ensures that the insight from these business solutions adequately feeds into global fora and processes such as the OECD, G20, World Economic Forum, etc.

Our Goals

The sustainable development of the world economy, financial stability and the protection of public goods are at the forefront of today's global challenges. Countries and the global community struggle to define standards for the quality of growth, both in ecological and social respects that help increase well-being.

Emerging economies are at the core of those challenges: By increasingly engaging in global processes, their policy decisions and economic and financial trajectories are bound to have major global implications. Through their increasing engagement and weight in global processes, they have a tangible impact on successful outcomes. At the same time, their domestic economies and policies are influenced by global developments and the need to adapt international standards and regimes.

EPF and EMM form part of the **Emerging Market Sustainability Dialogues (EMSD)**, seeking to open up new and strengthen already existing channels for cooperation and dialogue between emerging and industrialised economies on sustainable policy, business and finance. EPF and EMM are supported by the German Ministry of Economic Development and Cooperation (BMZ) with the secretariat hosted by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), GmbH.

II. Think Week: Introduction

Policymakers are seeking to further shape policies geared towards sustainable economic growth, often with the analytical and technical support of influential think tanks and policy advisors. The Economic Policy Forum (EPF) supports the development of such innovative policy approaches. The 2015 EPF Think Week on “Sustainable Infrastructure and Emerging Economies – Challenges and Opportunities” aims to build on work results of the EPF network to date, in order to aggregate policy insights from emerging economies, to reflect them in result-oriented peer discussions and to elaborate joint policy recommendations. A sustainable infrastructure development and its financing has become one of the most critical challenges today.

An inadequate supply of transport, water and energy networks, basic health and sanitation infrastructure, as well as insufficient communication networks affect the well-being of millions of people on the local and regional level. Unsurprisingly, out of the 17 global goals of the recently adopted UN Agenda 2030 for Sustainable Development, at least seven are directly linked to the provision of key infrastructure. SDG9 specifically addresses the issue. Policy-makers and experts alike have repeatedly pointed to persistently low infrastructure investment rates, adding up to estimates the global demand about 3.7 trillion USD and of an “infrastructure investment gap” of about one trillion USD annually. At the same time, there is a need for new strategies, standards as well as coordination and governance mechanisms to ensure the efficient use of investments and their financial, environmental, and socio-economical sustainability. Integrated approaches to link communities and cities sensibly to inter-regional economic corridors and at the same time, to contain inevitable social disparities and protect natural resources are not trivial. The challenge, far from being simply a lack of financial resources, requires smart governance concepts and incentives, new business solutions, and a willingness to creatively engage stakeholders across sectors and regions. The recent discussions around the new UN Agenda 2030 and the upcoming round of climate negotiations in Paris have highlighted the issue as key for bridging the global development and climate agendas, and for overcoming traditional lock-ins.

The EPF Think Week seeks to inform and contribute to these policy debates by:

- Mapping out sustainable infrastructure development and implementation frameworks in emerging economies;
- Facilitating empirical analysis based on country-specific case studies;
- Stimulating cross-country reviews of successful infrastructure policies through peer discussions;
- Deriving policy recommendations for emerging economies and the global agenda

The Think Week will provide influential think tanks of emerging economies with a broadened knowledge base and a resource network on the topic of sustainable infrastructure, which might be directly channeled into policy advocacy. The objective is that takeaways of the EPF Think Week lead to more evidence-based and effective infrastructure policy-making in emerging economies as well as within G20 and globally.

III. Think Week: Agenda

Sunday, November 01, 2015	
Arrival in Beijing Individual Transfer to Kempinski Hotel Beijing Lufthansa Center 50 Liangmaqiao Road Chaoyang District 100125 Beijing Tel: +86 10 6465 3388	Contact GIZ : +86 18612 10 2096 (Chen Qian) : +86 18610 95 2224 (Philipp Kruschel) : +49 151 11191884 (Antje Uhlig)
Monday, November 02, 2015	
9:45 – 11:30	Transfer from Kempinski Hotel to the Great Wall of China Meeting Point: Main Lobby, Kempinski Hotel
11:30 – 12:30	Lunch
12:30 – 16:00	Cultural Programme: The Great Wall of China Mutianyu, Huairou District, Beijing
16:00 – 18:00	Transfer from the Great Wall of China to Kempinski Hotel
Think Week Welcome	
18:00 – 21:00	Dinner at Dragon Palace, Kempinski Hotel Meeting Point: Main Lobby
	Welcome & Chair Daniel Taras , Executive Director, Economic Policy Forum (EPF), Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Germany Keynote Zhang Jianping , Director, Department of International Economic Cooperation, National Development and Reform Commission (NDRC), China Q&A Session
Tuesday, November 03, 2015	
EPF Round Table Discussion	
Room Xi An, 2 nd Floor, Kempinski Hotel	
08:30 – 09:00	Registration
09:00 – 09:10	Welcome Remarks Oliver Auge , Country Director, GIZ, China
09:10 – 09:20	Introduction to the EPF Think Week – Goals and Objectives Antje Uhlig , Co-Director, Economic Policy Forum, GIZ, Germany
09:20 – 09:45	Round of Introduction All participants
09:45 – 10:15	Coffee/Tea

10:15 - 12:00	<p>Session 1: Effective and sustainable infrastructure development in the light of global economic development. This session serves to discuss the key importance of infrastructure development against the backdrop of the 2030 Agenda for Sustainable Development, the Addis Ababa Action Agenda and a new international Climate Action Framework to be signed at COP21 as well as the necessity for concrete implementation and evaluation measures spearheaded within the G20. Questions to be elaborated in the first session are: What are the challenges and opportunities in different infrastructure sectors? Do estimates of “infrastructure gaps” account for the necessity of innovations in existing business models and policy frameworks that conform to higher standards of socio-economic and ecological balance? What is the emerging dynamic between public goods and private property? What role can the public sector, MDBs, ODA and Climate Finance mechanisms play in crowding in investments?</p> <p>Chair: Antje Uhlig, Co-Director, Economic Policy Forum, GIZ, Germany</p> <p>Kick-off Presentations (15 min) and Open Floor Discussion (60 min)</p> <p>(in alphabetical order)</p> <ul style="list-style-type: none"> - Amar Bhattacharya, Senior Fellow, Global Economy and Development Program, Brookings Institution, USA - Rolf J. Langhammer, Former Vice President, Kiel Institute for the World Economy, Germany - Commentary: Zhang Jianping, Director, Department of International Economic Cooperation, National Development and Reform Commission (NDRC), China
12:00 – 13:00	<p>Group Picture and Lunch at Café Kranzler’s, Kempinski Hotel</p>
13:00 – 15:00	<p>Session 2: Effective Implementation of Sustainable Infrastructure – The Role of the Private Sector. This session will discuss the substantial role of the private sector both in generating capital and effectively implementing infrastructure projects. Questions to be raised are: To what extent does the private sector take into account the environmental and social risks of infrastructure projects and their impact on economic and financial sustainability? How does the private sector deal with long-term and high up-front capital investments? What are the challenges and opportunities of private and public sector collaboration in sustainable infrastructure development? How to price natural resources adequately to help achieve the bankability of infrastructure projects?</p> <p>Chair: Philipp Kruschel, Executive Director, Emerging Market Multinationals (EMM) Network for Sustainability, GIZ, China</p> <p>Kick-off Presentations (8 min) and Open Floor Discussion (45 min)</p> <p>(in alphabetical order)</p> <ul style="list-style-type: none"> - Ana Paula Fernández, Chief Sustainability Officer, ICA, Mexico - Tobias Schmidt, Professor, Energy Policy Group, Department of Humanities, Social and Political Sciences, ETH Zurich, Switzerland - Mariana H. Silva, Infrastructure and Sustainable Finance Specialist, International Institute for Sustainable Development, Switzerland - Zhang Xiang, Secretary General, China International Contractors Association (CHINCA), China
15:00 – 15:30	<p>Coffee/Tea</p>
15:30 – 17:30	<p>Session 3: Interregional Corridors: Regional Economic Transformation through Infrastructure Development. Starting from China’s experiences as the country that has invested in infrastructure projects most in recent years, and looking at objectives and implementation of the Belt and Road Initiative, with a special focus on how this seeks to set new (global) standards for infrastructure development, the session will also look at examples of develop-</p>

	<p>ing interregional infrastructure corridors in other emerging economies. Questions that will be addressed are: How do we define an economic region and spatial guidelines for infrastructure development? How to map and address accelerating regional disparities and unevenness? How to define this challenge by taking into account the perspectives of different stakeholders within countries and across regions? What are appropriate governance levels and forms to ensure efficient cross-country coordination?</p> <p>Chair: Wang Wen, Executive Dean, Chongyang Institute for Financial Studies at the Renmin University, China</p> <p>Kick-off Presentations (8 min) and Open Floor Discussion (45 min)</p> <p>(in alphabetical order)</p> <ul style="list-style-type: none"> - Rajni Bakshi, Gandhi Peace Fellow, Geo-Economics, Gateway House, India - Feride Inan, Research Associate, Economic Policy Research Foundation of Turkey (TEPAV), Turkey - Chang Jiwen, Deputy Director General, Institute for Resource and Environmental Policy Studies, Development Research Center of the State Council (DRC), China - Lin Yongliang, Research Fellow, China Center for Contemporary World Studies (CCCWS), International Department, Central Committee of CPC (IDCPC), China - Zhang Wencai, Vice President, Asian Development Bank (ADB), Philippines
18:30	<p>Dinner at Xiang Man Lou Restaurant</p> <p>Meeting Point: Main Lobby</p>

Wednesday, November 04, 2015	
<p>EPF Round Table Discussion</p> <p>Xi An Room, 2nd Floor, Kempinski Hotel</p>	
09:00 - 09:15	<p>Recap of Day One</p> <p>Selected rapporteurs from the Round of Participants</p> <p>Chair: Antje Uhlig, Co-Director, Economic Policy Forum, GIZ, Germany</p>
09:15 – 10:45	<p>Session 4: Quantifying the Sustainability of Infrastructure Projects. This session will look into approaches to manage and assess the sustainability of large infrastructure projects. Questions to be discussed include: What could be elements of a roadmap to steer governments and key stakeholders to comprehensive frameworks and actionable best practices that cover the whole infrastructure life-cycle, from design to implementation, maintenance and dismantling/recycling of physical assets? What policy and planning tools have been successful in supporting the implementation of sustainable infrastructure and dealing with the complexity of such projects? How to decide where small-is-beautiful might be an alternative to large infrastructure projects?</p> <p>Chair: Amar Bhattacharya, Senior Fellow, Global Economy and Development Program, Brookings Institution, USA</p> <p>Kick-off Presentations (8 min) and Open Floor Discussion (45 min)</p> <p>(in alphabetical order)</p> <ul style="list-style-type: none"> - Christopher Behr, Principal Economist and Professional Associate, HDR, USA - Cristina Contreras, Research Associate, ZOFNASS Program for Sustainable Infrastructure, Harvard University, USA - Jorge Ramirez, Project Manager, CIDAC, Mexico - Hardik Sanjay Shah, Manager, Research Products, Sustainalytics, Singapore

10:45 – 11:15	Coffee/Tea
11:15 – 13:00	<p>Session 5: Designing Infrastructure Policy – Approaches. This session will look back at the previous four sessions and attempt to crystalize the main implications for policy makers to design good economic policy for sustainable infrastructure. Questions to be discussed are: What policies at what governance levels are needed for effective infrastructure development and implementation? How can regulatory frameworks be designed to ensure high levels of innovation in favour of socio-economic and ecological sustainability of infrastructure projects? Are new legal and institutional frameworks needed (rules, regulation, standards)? How can different infrastructure sectors and urban, regional, and infrastructure policies be integrated effectively? How to efficiently set up the right policies to subsidize PPPs while ultimately achieving value for money for the public purse and foster accountability structures?</p> <p>Chair: Mariana H. Silva, Infrastructure and Sustainable Finance Specialist, International Institute for Sustainable Development, Switzerland</p> <p>Kick-off Presentations (8 min) and Open Floor Discussion (45 min)</p> <p>(in alphabetical order)</p> <ul style="list-style-type: none"> - Paulo Branco, Vice-Director, Center for Sustainability Studies GVces, Brazil - Yüksel Görmez, Senior Economist, Central Bank of Turkey (CBRT), Turkey - Emmanuel Owusu-Sekyere, Senior Research Specialist, Africa Institute of South Africa (AISA), South Africa - Wajid Hasan Shah, Research Fellow, Bangladesh Institute for Development Studies (BIDS), Bangladesh - Shubh Soni, Research Assistant, Observer Research Foundation (ORF), India
13:00 – 14:00	Lunch at Café Kranzler’s, Kempinski Hotel
14:00 – 16:00	<p>Identification of Common Policy Challenges and Joint Policy Initiatives – Next Steps</p> <p>In this session, participants identify common policy challenges that they would like to address within the framework of the EPF as well as in cooperation with the EMM Network for Sustainability, highlight relevant national and international reform agendas linked to them, and agree on joint actions, also in the context of the G20 presidency of the PR China.</p> <p>Chairs: Antje Uhlig, Co-Director, Economic Policy Forum, GIZ, Germany; Philipp Kruschel, Executive Director, Emerging Market Multinationals Network for Sustainability (EMM), GIZ, China</p>
16:00 – 18:00	Break
18:00 – 21:30	<p>Dinner at Via Roma, Kempinski Hotel</p> <p>Meeting Point: 17:50 in the Main Lobby</p>

Thursday, November 05, 2015	
Study Tour and Expert Meetings	
08:30	<p>Pick-up at Kempinski Hotel Beijing Lufthansa Center</p> <p>Meeting Point: 09:00 in the Main Lobby</p>
09:00 – 10:30	<p>Beijing New Century Academy for Transnational Corporations (BNCATC)</p> <p>No. 136, Andingmen Wai Avenue, Dongcheng District, Beijing</p> <p>Contact: Jiang Heng, Deputy Director</p>

11:00 - 12:30	<p>Chinese Academy of International Trade and Economic Cooperation (CAITEC) No. 136, Andingmen Wai Avenue, Dongcheng District, Beijing Contact: Liang Guining, Director, Outbound Investment Research Center</p>
13:00 – 14:00	<p>Lunch at Vineyard Café in the Hutong 31 Wudaoying Hutong, Dongcheng District, Beijing</p>
14:00 – 15:30	<p>Chongyang Institute for Financial Studies (RDCY), Renmin University No. 59, Zhongguancun Street, Haidian District, Beijing Contact: Yan Qingqing, Director, Research Cooperation Department and G20 Project</p>
19:00 – 20:30	<p>Farewell Dinner at Yi He Ya Yuan Restaurant Meeting point: 18:30 in the Main Lobby of Kempinski Hotel</p>

Friday, November 06, 2015

Individual Departure

Airport transfer will be arranged individually.

IV. Think Week: List of Participants

Bangladesh			
No.	Name	Institution	Position
1	Wajid Hasan Shah	Bangladesh Institute for Development Studies (BIDS)	Research Fellow
Brazil			
2	Paulo Branco	Business Administration School of Fundação Getúlio Vargas (FGV), Center for Sustainability Studies (GVces)	Vice Director
China			
3	Chang Jiwen	Development Research Center of the State Council (DRC), Institute for Resource and Environmental Policy Studies	Deputy Director General
4	He Dongni	China Institute for Reform and Development (CIRD)	Vice President, Director of Center for International Economy
5	Lin Yongliang	China Center for Contemporary World Studies (CCCWS)	Research Fellow
6	Song Hong	Chinese Academy of Social Sciences (CASS), Institute of World Economics and Politics	Assistant Director and Senior Fellow
7	Tian Huifang	Chinese Academy of Social Sciences (CASS), Institute of World Economics and Politics	Senior Research Fellow
8	Wang Wen	Chongyang Institute for Financial Studies (RDCY), Renmin University	Executive Dean
9	Zhang Jianping	National Development and Reform Commission (NDRC), Department of International Economic Cooperation	Director
10	Zhang Wencai	Asian Development Bank (ADB)	Vice President
11	Zhang Xiang	China International Contractors Association (CHINCA)	Secretary General
12	Zhou Xiaolin	Chongyang Institute for Financial Studies (RDCY), Renmin University	Research Associate
13	Zhu Shouqing	World Resources Institute (WRI)	Senior Associate

Germany			
14	Rolf J. Langhammer	Kiel Institute for the World Economy (IfW)	Former Vice President
15	Tobias Schmidt	ETH Zurich, Energy Policy Group, Department of Humanities, Social and Political Sciences	Professor
India			
16	Rajni Bakshi	Gateway House: Indian Council on Global Relations	Gandhi Peace Fellow
17	Shubh Soni	Observer Research Foundation (ORF)	Research Assistant
Mexico			
18	Ana Paula Fernández	ICA	Chief Sustainability Officer
19	Jorge Ramirez	Centro de Investigación para el Desarrollo A.C. (CIDAC)	Project Manager
Singapore			
20	Hardik Sanjay Shah	Sustainalytics	Manager, Research Products
South Africa			
21	Emmanuel Owusu-Sekyere	Africa Institute of South Africa (AISA), Human Sciences Research Council (HSRC).	Senior Research Specialist
Switzerland			
22	Benjamin Denjean	International Institute for Sustainable Development (IISD)	Public Procurement and Energy Specialist
23	Monica Huo	International Institute for Sustainable Development, (IISD)	Consultant
24	Mariana H. Silva	International Institute for Sustainable Development, (IISD)	Sustainable Finance Officer

Turkey			
25	Yüksel Görmez	Central Bank of Turkey (CBRT)	Senior Economist
26	Feride Inan	Economic Policy Research Foundation of Turkey (TEPAV)	Research Associate
USA			
27	Christopher Behr	HDR	Principal Economist, Professional Associate
28	Amar Bhattacharya	Global Economy and Development Program, Brookings Institution	Senior Fellow
29	Cristina Contreras	ZOFNASS Program for Sustainable Infrastructure, Harvard University	Research Associate
30	Christopher James	Regulatory Assistance Project, China and U.S. Programs	Principal
Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)			
31	Oliver Auge	GIZ China	Country Director
32	Philipp Kruschel	Emerging Market Multinationals (EMM) Network for Sustainability	Executive Director
33	Daniel Taras	Emerging Market Sustainability Dialogues (EMSD), Economic Policy Forum (EPF)	Executive Director
34	Antje Uhlig	Economic Policy Forum (EPF)	Co-Director

V. Think Week: List of Participating Think Tanks

Africa Institute of South Africa (AISA), South Africa

AISA was first established in 1960 as a non-profit organisation. South Africa and Africa have undergone fundamental changes in the past decade and AISA has been at the forefront of research and training on African Affairs. Apart from an annual training programme that educates students from universities in research methodologies, AISA has contributed to fostering a new generation of research specialists, producing research on contemporary African Affairs through empirical studies and field research throughout the African continent. In June 2014, AISA has been physically incorporated into the Human Sciences Research Council (HSRC).

Bangladesh Institute for Development Studies (BIDS), Bangladesh

BIDS is an autonomous public multi-disciplinary organisation that conducts policy-oriented research on development issues facing Bangladesh and other developing countries. Its mission is to facilitate learning in development strategies by conducting credible research, fostering policy dialogue, disseminating policy options, and promoting informed policy making. The Institute also conducts training on research methodologies and carries out evaluations of development interventions. It is involved in the collection and generation of socio-economic data for carrying out analytical policy research on current economic and social issues.

Brookings Institution, Global Economy and Development Program, USA

The Global Economy and Development program of Brookings aims to shape the U.S. and international policy debate on how to manage globalization and fight global poverty. The program is home to leading scholars from around the world, who use their expertise in international macroeconomics, political economy, international relations and development and environmental economics to tackle some of today's most pressing development challenges. Global Economy and Development experts draw on the core strengths of Brookings – authoritative, independent and nonpartisan research, a depth of practical expertise and unparalleled convening power – to address three critical areas: the drivers of the global economy, the road out of poverty, global public goods.

Centro de Investigación para el Desarrollo A.C. (CIDAC), México

CIDAC is a non-profit independent think tank devoted to the study and interpretation of Mexican reality and the presentation of viable proposals and policies for the development of Mexico in the medium and long term. It formulates recommendations that contribute to strengthening the rule of law and creating conditions which encourage the economic and social development of Mexico; that enrich public opinion; and that contain the elements necessary to be useful in society's decision making-process.

China Center for Contemporary World Studies (CCCWS), PR China

CCCWS was founded in 2010. Its main fields of research include international situation, political party politics, political system in foreign countries, China's foreign strategies, socialist theories, social and political trends of thoughts and comparative studies in development modes. It actively conducts exchanges and academic discussions with domestic and foreign political party think tanks and research institutes. It has also established diversified academic exchanges and cooperation with foreign research institutes.

China Institute for Reform and Development (CIRD), PR China

CIRD, established in 1991, is a public research institution focusing on reform and development policy research. CIRD has dedicated itself to independent and forward-looking research around important, difficult and controversial reform topics, and has made great efforts to facilitate reform policy decision-making by submitting research and policy recommendation reports to relevant policy-making bodies. CIRD takes an active role in policy consulting, international cooperation, education and training.

Chinese Academy of Social Sciences (CASS), PR China

The Chinese Academy of Social Sciences (CASS), established in 1977, is the premier and the most comprehensive academic research organization and national centre in the People's Republic of China for study in the fields of philosophy and social sciences, with the obligation of advancing and innovating in the scientific researches of philosophy, social sciences and policies. It was described by Foreign Policy magazine as the top think tank in Asia. It is affiliated with the PRC's State Council.

Chongyang Institute for Financial Studies (RDCY), Renmin University of China, PR China

RDCY was established on January 19th, 2013 and supported by the 200 million RMB donation from Mr Qiu Guogen, Chairman of Shanghai Chongyang Investment Co., Ltd., a private equity fund based in Shanghai. RDCY's stated mission is to advise the government and serve the public by focusing on "Great Finance" and academics, while grounded in reality. RDCY leads policy research on the national level in the fields of macroeconomic research, governance modernization, internet finance, banking reform, microfinance, and green finance. It has over 70 former politicians, bankers, and preeminent scholars as senior fellows from 15 countries. RDCY also maintains cooperation networks with think tanks from nearly 30 countries.

Development Research Center of the State Council (DRC), PR China

DRC is a policy research and consulting institution directly under the State Council, the central government of the PR China. Its major function is to conduct advanced research on the overall, comprehensive, strategic and long-term issues in the economic and social development, as well as relevant key and hot problems related to reform and opening up and provide policy options and consulting advice to the CPC Central Committee and the State Council. DRC has made in-depth studies and researches on national development, provided a good number of high quality policy recommendations and done its bit for China's economic and social development.

Economic Policy Research Foundation of Turkey (TEPAV), Turkey

TEPAV is an independent, non-profit think tank based in Ankara, founded in 2004 by an association of businessmen, bureaucrats and academics who believe in the importance of knowledge and ideas in shaping Turkey's future. What sets TEPAV apart is its active involvement in economic and political development. TEPAV carries out projects that actively contribute to economic development and bring together key policy and opinion makers to tackle the present issues. TEPAV sticks to academic ethical principles and quality in all research activities.

ETH Zurich, Energy Politics Group, Switzerland

The Energy Politics Group forms part of the Governance Section of ETH Zurich's Department of Humanities, Social and Political Sciences (D-GESS) and is a member of the Center for Comparable and International Studies (CIS). The Energy Politics Group was established in early 2015 and analyses questions related to the governance of technological change in the energy sector. In the group's research, teaching and outreach activities, they take a global perspective and include both developed and developing countries.

Gateway House: Indian Council on Global Relations, India

Gateway House is a membership-based, independent, non-partisan and not-for-profit foreign policy think tank located in Mumbai. It was established to engage India's leading corporations and individuals in debate and scholarship on India's foreign policy and role in global affairs. Working on the cross-section of business and foreign policy, its scholars cover subjects such as geo-economics, geopolitics, space technology, energy, economic diplomacy and national security. The institution has published research which highlights business opportunities and policy recommendations on issues that are of strategic importance to India's economy and development, such as BRICS, an alternate financial architecture, security and defence, economic diplomacy, engagement with SAARC countries, and relations with China and the U.S.

Getulio Vargas Foundation (FGV), Brazil

FGV was established in 1944 to promote Brazil's economic and social development. Since then, FGV has been an important research institution in the country's academic history. It is well-known for academic excellence, scientific research, technical assistance and advisor capacity assessing public policies. The foundation comprises a large network of business, economics, applied sciences, and law schools. The Center for Sustainability Studies (GVces) of the Business Administration School of Fundação Getúlio Vargas (FGV-EAESP) is involved in formulating and following-up public policies, in building tools for self-regulation and in the development of strategies and tools for business management towards sustainability, locally, regionally, nationally and internationally.

Institute for Applied Economic research (IPEA), Brazil

IPEA from Brazil is a federal public foundation linked to the Strategic Affairs Secretariat of the Presidency. Its mission is to provide knowledge to improve public policy and to contribute to Brazilian development planning. IPEA's work is focused on sovereign international inclusion; Macroeconomics for full employment; Advanced and regionally coordinated productive and technological structure; Strengthening the State, institutions and democracy; Economic, social, and urban infrastructure; Social protection, rights protection, and opportunities; Environmental sustainability.

International Institute for Sustainable Development (IISD), Switzerland

IISD is a policy think-tank providing advisory and implementation services to governments, international organizations and companies, in order to promote human development and environmental sustainability through innovative research, communication and partnerships. IISD has offices in Canada, the United States, Switzerland and China and works with organizations in over 70 countries. IISD's areas of expertise include, among others, public procurement and infrastructure finance, climate change and energy, and sustainable investment and finance.

Kiel Institute for the World Economy (IfW), Germany

IfW is an international centre for research in global economic affairs, economic policy consulting, and economic education. On the basis of its research, the Institute advises decision makers in policy, business, and society and informs the broader public about important developments in international economic policy. Through its network of International Research Fellows, it gives additional research impulses in the form of scientific advice, joint research, and by providing teaching stays in Kiel. The institute's research focuses on creating solutions that meld economic efficiency and social justice and offer adequate incentives for economic activity based on individual initiative.

Observer Research Foundation (ORF), India

ORF is an Indian non-profit, multidisciplinary public policy think tank engaged in developing policy alternatives on issues of national and international significance. Set up in 1991, ORF examines critical policy problems and helps develop coherent policy responses. Key research areas are international relations, security affairs, politics and governance, resources management and economy and development. As independent think tank, ORF develops and publishes inputs for policymakers in the government and for political and business leadership in and outside the country.

Regulatory Assistance Project (RAP)

The Regulatory Assistance Project is an independent and nonpartisan team of experts whose staff is comprised primarily of former air and power sector regulators. RAP's global team has first-hand knowledge of the constraints and challenges regulators face. Building on peer-to-peer relationships, RAP helps energy and air regulators and NGOs navigate the complexities of power sector policy, regulation, and markets, so they can most effectively assist in the transition to clean, reliable, and cost-effective energy resources.

World Resources Institute (WRI)

WRI is a global research organization that spans more than 50 countries, with offices in the United States, China, India, Brazil, Indonesia and more. Our more than 450 experts and staff work closely with leaders to turn big ideas into action to sustain our natural resources—the foundation of economic opportunity and human well-being. WRI's mission is to move human society to live in ways that protect Earth's environment and its capacity to provide for the needs and aspirations of current and future generations. Main work focuses on six critical issues at the intersection of environment and development: climate, energy, food, forests, water, and cities and transport.

ZOFNASS Program for Sustainable Infrastructure, Harvard University, USA

The mission of ZOFNASS is to develop and promote methods, processes, and tools that quantify sustainability for infrastructure. Its goal is to facilitate the adoption of sustainable solutions for infrastructure projects and systems, and expand the body of knowledge for sustainable infrastructure. ZOFNASS prides itself on the collaborative nature of its research efforts. The research team includes a core group of faculty from across Harvard and student research associates from undergraduate, graduate, and doctoral programs. The strong support provided by the industry through the Advisory Board makes the ZOFNASS unique and relevant: the collaboration of academic experts and industry specialists has led to the development of the ZOFNASS Rating Sys-

tem that has been integrated into the Envision™ system of the Institute for Sustainable Infrastructure.

VI. Companies, International Organisations and Government Bodies

Asian Development Bank (ADB), Philippines

The ADB, based in Manila, Philippines, is dedicated to reducing poverty in Asia and the Pacific through loans, grants, economic research, policy dialogue, technical assistance, equity investments, economic growth, environmentally sustainable growth, and regional integration. Established in 1966, it is owned by its 67 members — 48 from the Asia and Pacific region — who have committed to the vision of a region free of poverty. 23 ADB members are also members of the Organisation for Economic Co-operation and Development (OECD).

Central Bank of Turkey (CBRT), Turkey

CBRT is responsible for implementing monetary and exchange rate policies and printing banknotes in Turkey. The primary objective of the Bank is to achieve price stability. The CBRT focuses on taking measures to sustain the stability of the financial system in Turkey, to contain the macro financial risks stemming from global imbalances. Further, CBRT is responsible for establishing and securing the uninterrupted functioning of payment, security transfer and settlement systems to enable safe and swift transfer of money and securities.

HDR Inc., USA

Founded as the Henningson Engineering Company in Omaha (Nebraska, USA) in 1917, HDR Inc. nowadays is an employee-owned architectural, engineering and consulting firm that helps clients manage complex projects and make sound decisions. The company has nearly 10,000 employees in more than 225 locations around the world, they think global, act local and specialize in engineering, architecture, environmental and construction services.

ICA, Mexico

ICA is a Mexican company with more than 68 years of experience in the development of complete solutions to complex challenges of infrastructure. The leadership with which they undertake their projects has granted them a solid presence in México and Latin America. Their mission is to provide solutions to the most complex infrastructure challenges through innovative, sustainable and profitable proposals.

National Development and Reform Commission (NDRC), PR China

NDRC, formerly the State Planning Commission, was founded in 1952 as a management agency under the Chinese State Council. Its main functions are to study, formulate, coordinate and implement policies for economic and social development, maintain the balance of economic development, and to guide the restructuring of China's economic system. As well as monitoring macroeconomic and social development trend and provide forecast. In accordance with relevant regulations of the State Council, the NDRC is also responsible for the administration of the State Grain Administration and the National Energy Administration.