

KEIO  
Environmental  
Innovators

ASIA PACIFIC  
ADAPTATION  
NETWORK

# Innovation for Resilience and Transformation

復興と変革へのイノベーション

## the 3rd Environmental Innovators Symposium

December 21-22, 2012

Keio University, Hiyoshi Campus

*Programs and Actions on Mitigation and Adaptation to  
Climate Change in Asia and Africa*

<http://ei.sfc.keio.ac.jp/symposium2012>

The growth of **resilience** as a touchpoint for fields as distant as economics, architecture and population politics reflects a shared concern about our capacity as governments and individuals to cope and adapt to change, regardless of its cause. The ability to bounce back from hardship and disaster is essential to all our futures, but if it is to be done sustainably **innovation** will need to be a core practice. Which is of course **easier said than done**.

In Japan the context for **resilience** remains the ongoing recovery from the series of disasters that struck the northeast coast in March 2011. The disasters triggered an honest re-assessment of many of the policies and social standards the country has taken for granted for decades. A more **resilient** society could be built as part of the reconstruction process, but there is no clarity yet about which direction the reconstruction should go, and what **resiliency** might mean. The question remains open as to whether we should be rebuilding defensively or if we might be better off aiming for a deeper transformation. As the reconstruction proceeds there is also growing **uncertainty** about where and how change can be implemented. Although the challenges do not arise directly from global climate change, they share much with the problems expected from extreme weather events, as we are all too keenly reminded of by the massive storms and floods and the related damage and power outages experienced around the world.

The largest gap is that between **assessment** and **action**. While we understand the situation better and better, the way forward is still hard to imagine. In the third annual Environmental Innovators symposium our aim is to clear some of the uncertainty around the topic of **resilience** by bringing together practitioners who are testing new methods and taking action in the field with significant projects. Our position is that while there can be no single answer it is the accumulation of knowledge in practice that will stimulate the innovation needed to realize transformative goals.

This symposium will focus on innovations in **practice** that advances **transformation** in relation to both climate change adaptation and **resiliency**. Issues we will address include managing both short and long term plans, how to implement change, the need for small and large scale responses, the role of technology and policy innovation, and the advent of new methodologies.

The symposium will be treated as a series of intense workshops where knowledge is shared and created through presentations and discussion over the two day event. A publication of the presentations and discussions is planned after the event and we invite participants to share their ideas freely and to engage in a thoughtful and lively discussion.

ここ10年の間で**レジリエンス** (resilience: 苦難からの回復力) という概念は、非常に広範な分野において重要なトピックとなり、経済学や政治学から建築学や都市計画、心理学、人口学まで多くの分野に影響を与えている。これは、原因は様々であれど、世界の激変に対処・適応するための政府や個人の能力に関心が高まっていることを反映している。苦難や災害からの復興は我々の未来にとって重要であるものの、持続可能な形での復興には相応の**イノベーション**が必要となってくる。まさしく、**言うは易く行うは難し**、である。

日本において、今、**レジリエンス** (resilience) といえば、それは2011年3月に発生した大震災からの復興という事になる。今回の大震災はこの国が数十年にわたって当たり前のように受け入れていた政策決定や社会規範を再検討するきっかけとなった。復興はより**レジリエント** (resilient) な社会を形成する良い機会になるという見方もある。しかし、復興がどの方向性に進むべきか、また、**レジリエンス** (resilience) そのものが何を意味するか、自明ではない。目前の要望に応え復旧を急ぐか、より深い変革を敢行するべきか、決断力が問われている。復興が進むにつれ状況が錯綜し、変革はどこでどのように組み込むべきか、**不確実性**が増している。これらの問題はグローバルな気候変動から直接的に引き起こされているわけではないが、近年世界中で頻発している暴風雨や洪水、それらに伴った停電といった極端な天災によってもたらされるような問題と多くの部分で共通している。

現在、**評価と行動**の間に大きな隔りがある。問題への理解は徐々に進んできているが、解決策についてはまだまだはっきりとしていない。今年で3回目となる本年の環境イノベータシンポジウムでは、実際の行動を起こすにあたって、また、**レジリエンス** (resilience) の構築に関して、不確実性を減らすべく革新的な手法を試みている研究者と実務家が一堂に会する。答えは唯一ではないであろうが、実践に伴う知識の蓄積が、変革に必要なイノベーションを促進すると考えるからである。

このシンポジウムは気候変動適応策とレジリエンス (resilience) の両方におけるイノベーションの**実践**に焦点を当てている。短期・長期の変革を目指す計画とその実現方法、小規模、大規模な変化へのレスポンス、そこにある技術と政策の役割など、示唆を与えてくれる講演と報告が期待できる。

今回のシンポジウムはワークショップ形式で行う。2日間のプレゼンテーションとディスカッションを通して知識を共有し、レジリエンス (resilience) と変革に向かう方向性を問う。シンポジウム終了後はプレゼンテーションとディスカッションの結果を出版する予定となっており、幅広い分野からの積極的な参加を期待している。

## Language

*The primary language will be English, with simultaneous translation for session events*

## 使用言語

英語がメイン言語となるが、各セッションでは日本語同時通訳が提供される。

# December 21, 2012 - Friday

0900 - 1015

## Opening Addresses and Keynote Speech

*Issues and strategies on the frontier of adaptation to disaster risks, and transforming to a green economy in Asia and Africa*

1030 - 1230

## Session 1 - Data, Tools, and Narratives for Adaptation in Northeast Asia

*Northeast Asia is prone to earthquakes and extreme climatic disasters. Scientific data, visual tools and narratives are being integrated as innovative methodologies for early adaptation and social transformation.*

1230 - 1330

Lunch

1330 - 1515

## Session 2A - Best Practice for Resilience and Adaptation in the Asia Pacific Region

*Researchers from the Sub-Regional Nodes of the Asia Pacific Adaptation Network (APAN) deliver present practices for resilience and adaptation to climate change on the frontier of global transformation, and share knowledge on common issues.*

## Session 3 - Resiliency and Adaptation as Opportunity in Architecture and Urban Design

*As disasters, man-made or otherwise, increase around the world, the role of architecture and urban design has necessarily expanded to include issues of social resilience. Architecture seems to be on the cusp of a paradigm shift as the profession works out how to mainstream, and not only react to, such issues.*

1600 - 1730

## Session 2B - Bridging the Gap Between Policy and Action for Resilience and Transformation

*We always face the challenge of managing goals at the scale of the local and the global, balancing the present and the future. This session listens to the voices of researchers, officials, and practitioners on the ground and discusses opportunities and mechanisms for building resilience and transformation.*

*For this session participants use concrete examples from Asia and Africa as the basis for discussion about the development of more resilient and sustainable architecture planning, and the integration of social issues, energy, and economics into the design of the built environment.*

1900 - 2100

Special Session - Tohoku Planning Forum

# December 22, 2012 - Saturday

0900-1200

## Session 4 - Best practices in Community-Based Energy Innovation

*The Great East Japan Earthquake exposed the vulnerability of modern Japanese society, especially its power infrastructure. In recent years development of renewable energy systems has expanded dramatically, and yet it is hard to see equally dramatic changes in its acceptance by the general public. This session looks into the obstacles in the penetration of renewable energy, proposes a community-based business model and mechanisms for its implementation from the perspective of resources and finance management.*

1200 - 1300

Lunch

1300 - 1615

## Session 5 - The Reality of Environmental Risk and Redevelopment of Damaged Areas

*Storms, man-made pollution or extreme incidents such as the nuclear disaster and contamination following the earthquake and tsunami in Japan in 2011 can be understood as the actualization of risk. There is however a kind of opportunity to be considered alongside the unarguably bad effects. We will use concrete examples to discuss how risk is used and managed in recovering areas.*

1630 - 1730

## Session 6 - Round Table Discussion

*Speakers and participants from both days discuss the topic of innovation across disciplines and search for common ideas and concepts.*

## Closing Remarks

## Closing Party and Networking Event

## 開会 / 基調講演

災害・リスクへ適応しグリーン・エコノミーへ変革するフロンティアであるアジア・アフリカの課題とイノベーションの戦略を展望する。

## セッション1 早期適応策のためのイノベティブな方法論

地震と異常気象による災害が頻発する北東アジア地域。科学データ、見える化ツール、政策支援ナレーティブなどが一体となった科学的方法論で不確実性を減らし、早期適応策を開発し社会変革を促す。

昼食

## セッション2A アジア太平洋地域におけるレジリエンスと適応策のベストプラクティス

UNEPは、グローバル変革の最前線、アジア太平洋地域において気候変動適応ネットワーク(APAN)を運営している。APAN地域ノードの研究者がレジリエンスと適応に関する各地の実践を報告し、変革に向けた共通の課題を洗い出す。

## セッション3 建築と都市計画における機会としてのレジリエンスと適応策

人災・天災が増加している現代において、建築と都市計画の果たす役割は必然的に社会的レジリエンスの課題を含むものとなるよう拡大してきた。建築家達はそういった課題に対処するだけでなく、それを主流に組み入れる方法を探している。

## セッション2B 政策と実践の現場からの声

私たちは常に短期と長期、局地と大局の狭間に追い込まれている。このセッションでは、トップとボトムにおける政策担当者、実践者、利害関係者の声を聞き、日々直面する課題の中から変革の兆しを掴み、イノベーションを創出する仕組みを検討する。

このセッションではアジア・アフリカの具体的な事例を基礎に置き、レジリエントで持続的な建築計画の開発や、社会問題・エネルギー問題・経済的課題を建築環境のデザインに統合していく方法を議論し、パラダイムシフトの先頭を走る建築学の新しい可能性を探る。

## 特別セッション - 東北プランニングフォーラム

## セッション4: コミュニティ・ベースのエネルギー・イノベーションの実践

東日本大震災は原発に頼る現代社会のエネルギーシステムの脆弱性をあらわにした。世界中で再生可能エネルギーに関心が集まり、再生可能エネルギー業界も活況をみせている。一方、市民や家庭による再生可能エネルギーへの参加は目立った動きをみせていない。本セッションは再生可能エネルギーの普及を妨げる原因を見直し、固定価格買取に頼らない、コミュニティ・ベースの普及モデルを提案し、資源、資金、仕組みの側面から実装を促進する方法を検討する。

昼食

## セッション5: 環境リスクの顕在化と被害地域の再生

公害のような人災、豪雨被害のような天災、そして、3.11のように天災を契機に生じた人災としての放射能汚染などのケースを通じて見ると、リスクが実際に顕在化した時に地域に与える悪影響は極めて大きなものがある。そこで、実際にリスクの顕在化に遭遇した地域を取り上げ、こうした地域の再生を、今後は、リスクと向き合いながらどのように進めていくのが良いのか、事例発表とディスカッションを通じて考察する。

## セッション6: 全体議論

シンポジウム参加者を一同に会し、分野を超えてイノベーションに関する議論を行い、共通のアイデアや概念を探る。

## 閉会 懇親会

<b>Opening Comments</b>		09:00 to 10:15	Symposium Space
<b>Wanglin Yan</b> Symposium Executive Chair; Professor, Keio University Director, Research Center for Climate Change Adaptation	Welcoming Remarks and Framework for the symposium		
<b>Andries Jordaan</b> Director, Disaster Management Training and Education Centre for Africa, University of the Free State, South Africa	<b>Keynote Speech</b> - <i>Building Resilience in Africa Through Transformation and a Green Economy: Challenges and Opportunities.</i>		

<b>Break</b>	10:15 to 10:30	Conference Room M
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<b>Session 1</b>		10:30 to 12:30	Chair: Wanglin Yan, Professor, Keio University Director, Research Center for Climate Change Adaptation
<b>Data, Tools, and Narratives for Adaptation in Northeast Asia</b>		Symposium Space	
<b>Qian Ye</b> Professor, Beijing Normal University Executive Director, Integrated Risk Governance Project (IRGP/IHDP)	<i>Visualization and Decision Support for Climate Risk Reduction</i>		
<b>Renchin Tsolmon</b> Professor, National University of Mongolia	<i>GIS and Remote Sensing for Monitoring and Analysis of Adaptive Development in Mongolia</i>		
<b>Sinkyu Kang</b> Professor, Kangwon National University, Republic of Korea	<i>Assessing Socio-ecological vulnerability in Mongolian grasslands</i>		
<b>Akihiro Oba</b> PhD Candidate, Keio University	<i>Framework of Support Systems to Bridge the Gap between Policy and Practice for Early Adaptation to Extreme Weather in Mongolia</i>		
<b>Balt Suvdantsetseg</b> Assistant Professor, National University of Mongolia	<i>Innovative climate change adaptation and practical action for Gobi region of Mongolia</i>		
<b>Yingjiu Bai</b> Project Associate Professor, Keio University	<i>A GIS-based approach to adaptation to regional climate change for decision-making by local government: Case study of Kurihara in Miyagi Prefecture, Japan</i>		

<b>Lunch</b>	12:30 to 13:30	Conference Room M
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<b>Session 2A (parallel)</b>		13:30 to 15:15	Chair: Masataka Watanabe, Project Professor, Keio University Chair of the Asia Pacific Adaption Network (APAN)
<b>Best Practice for Resilience and Adaptation in the Asia Pacific Region</b>		Symposium Space	
<b>Hiroko Kodaka</b> Associate Programme Manager Asia Pacific Adaptation Network (APAN)	<i>Gaps and needs for climate adaptation in the Asia-Pacific region</i>		
<b>Sanjay Vashist</b> Climate Action Network South Asia (CANSA)	<i>Scaling Adaptation through Coordinated Regional Policy in South Asia</i>		
<b>Pervaiz Amir and Chaminda Rajapakse</b> Global Water Partnership - South Asia (GWP-SAS)	<i>Institutional and technical innovation under extreme climate events for resilient and transformation strategy-Floods and Droughts in Pakistan</i>		
<b>Akmaral Mukaeva</b> Environmental Management Program Specialist The Regional Environmental Centre for Central Asia (CAREC)	<i>Adaptation to Climate Change in Central Asia: Needs and Achievements</i>		
<b>Ngamindra Raj Dahal</b> PhD Candidate, Kathmandu University	<i>Climate Change Adaptation Activities in Nepal</i>		
<b>Jeongho Lee</b> Senior Research Fellow (Director of Planning and Cooperation Division), Korea Adaptation Center for Climate Change	<i>Korea Adaptation Center for Climate Change: Achievements and Future Challenges</i>		
<b>Xiaojun Deng</b> Programme Officer for Communications and Development Asia-Pacific Network for Global Change Research (APN)	<i>Asia-Pacific Network for Global Change Research (APN) and its Climate Adaptation Framework</i>		

<b>Break</b>	15:15 to 16:00	Conference Room M
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<b>Poster Session</b>	15:15 to 16:00	Conference Room M
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**Session 2B (parallel)** 16:00 to 17:30

Chair: Wanglin Yan, Professor, Keio University  
Symposium Space

### **Bridging the Gap Between Policy and Action for Resilience and Transformation**

<b>Tokutaro Hiramoto</b> Senior Consultant, Emerging and BoP Markets Consulting Group, Nomura Research Institute Guest Professor, Meiji University (BoP Business) Part-time lecturer, Miyagi University (CSR, BoP Business)	<i>Adaptation Programs in International Organizations for Developing Countries</i>
<b>Yosuke Nakayama</b> Chief, Global Environmental Affairs Office, Industrial Science and Technology Policy and Environment Bureau, Ministry of Economy, Trade and Industry	<i>Industrial Assistance Programs in Japan for Developing Countries</i>
<b>Yoshitomo Mori</b> Assistant Director, Research and Information Office, Policy and Coordination Division, Global Environment Bureau, Japan Ministry of the Environment	<i>Adaptation Issues and Policies in Japan</i>
<b>Sosuke Tanaka</b> Unit Chief, Research/ Coordination Section Japan Reconstruction Agency	<i>Issues and Actions in Post 3.11 Reconstruction for Resilience and Transformation</i>
<b>Masaki Takahashi</b> CEO, Kesennuma Shokai	<i>Public Debate on Seawall Construction in Kesennuma City</i>
<b>Ranjith Perera</b> Associate Professor Department of Civil and Architectural Engineering, Sultan Qaboos University Urban Environmental Management Program, Asian Institute of Technology	<i>Mainstreaming Disaster Resilience Attributes in Local Development Plans for the Adaptation to Climate Change induced flooding: A study based on the local plan of Shah Alam City, Malaysia</i>
<b>Andries Jordaan</b>	<i>Guest commentary</i>

**Session 3 (parallel)** 13:30 to 15:15

Chair: Yasushi Ikeda, Professor, Keio University  
Will Galloway, Project Assistant Professor, Keio University

### **Resilience and Adaptation as Opportunity in Architecture and Urban Design**

Conference Room L

<b>Daniel Aldrich</b> Associate Professor, Purdue University	<i>Social Infrastructure and Resilience</i>
<b>Andrew Brose</b> Architect, MASS - Kigali office	<i>Empowering Architecture</i>
<b>Hironori Matsubara</b> Associate Professor, Keio University	<i>3 Resiliencies for Architecture at a Time of Acute Change - the ACADEX Primary School project in R.D. Congo</i>
<b>Vo Trong Nghia</b> Director, Vo Trong Nghia Co., Ltd.	<i>Sustainable Construction in Vietnam</i>
<b>Tsukasa Ishizawa</b> Design Manager, Takenaka Corporation	<i>City in a Garden - Sustainable Projects in Singapore</i>
<b>Break</b>	15:15 to 16:00
<b>Panel discussion</b>	16:00 to 17:30
<b>Hiroto Kobayashi</b> Professor, Keio University	<i>Guest Commentary</i>

**Special Session** 19:00 to 21:00

Chair: Kit Weddle, Chair, Tohoku Planning Forum  
European President of CASLE

### **Tohoku Planning Forum Event**

Conference Room L

<b>Andrew DeWit</b> Professor, Rikkyo University	<i>Renewable Energy and The Political Economy of Japan</i>
<b>Will Galloway + Wanglin Yan</b> Project Assistant Professor + Professor, Keio University	<i>Reconstruction, Energy and Community - Precedents for Japan</i>
<b>Christian Dimmer</b> Assistant Professor, University of Tokyo	<i>Grass-root Initiatives for Alternative Energy Futures in Germany</i>

<b>Session 4</b> 09:00 to 12:00 <span style="float: right;">Chair: Shinano Hayashi, Deputy Director, Natural Resources Management Group, IGES</span>	
<b>Best Practices in Community-Based Energy Innovation</b> <span style="float: right;">Symposium Space</span>	
<b>Harutoshi Funabashi</b> Professor, Hosei University	<i>Opportunities and Challenges for Development of Community Based Renewable Energy</i>
<b>Taihei Shibata</b> Manager, Smart Community Section, City of Kitakyushu	<i>Planning and Practice: Citizen Participation in Electricity Saving and Generation</i>
<b>Akira Taniguchi</b> Ohisama-Shimpo Energy	<i>Innovation and Achievement With Small Community-Based Renewable Energy Projects</i>
<b>Shoji Yo</b> Graduate of EI Course, Keio University (Sekisho Corporation)	<i>A new business model based on connections between generations for market penetration of photovoltaic power systems</i>
<b>Yusuke Matsuo</b> Policy Researcher, Program Management Office, Institute of Global Environmental Strategy (IGES)	<i>Green Gift: A Pragmatic Measure for Drastic Diffusion of renewable energy</i>
<b>Manjushree Banerjee</b> Associate Fellow, The Energy and Resources Institute, India	<i>Achieving Universal Access To Modern Energy- A Case Of Community Based Renewable Energy Project In India</i>
<b>Arieta Gonelevu</b> Senior Project Officer, Oceania Regional Office Energy, International Union for Conservation of Nature (IUCN), Fiji	<i>Marshall Islands in terms of rural and outer islands electrification through solar home systems</i>
<b>Tomoki Kobayashi</b> PhD Candidate, Keio University	<i>GIS Based Potential Assessment and Action Support</i>

<b>Lunch</b>	12:00 to 13:00	Conference Room M
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Poster Session Participants	
<b>Volkov Dmitry</b>	<i>Combined wind and solar power installation with superconductive elements</i>
<b>Kyungsun Lee</b>	<i>Transition toward Sustainable Chemical Industry in Asia: A Socio-technical system approach to Green Chemistry</i>
<b>Jesse Hsu</b>	<i>Building Resiliency through the Repurposing of Spaces and Institutions with Urban Agriculture: Examples from Honolulu, Hawaii</i>
<b>Akihiro Oba</b>	<i>A Framework of Support Systems to Bridge the Gap between Policy and Practice for Early Adaptation to Extreme Weather in Mongolia</i>
<b>Tomoki Kobayashi</b>	<i>Agent-Based Modeling to Assess the Potential of Community Solar in Urban Areas</i>
<b>Matthew Jones</b>	<i>Climate Change and Cultural Heritage in Japan: A Case Study of Itsukushima Shrine</i>
<b>Muriadi Arip</b>	<i>Flood and Vulnerability to Undernourished Children and Infant/Maternal Mortality: A Case Study in Sambas Regency, Indonesia</i>
<b>Obed Milton Simamora</b>	<i>Land-use change of small scale registered-land in Indonesia: A study in Bantul Regency</i>
<b>Shuichi Okabayashi</b>	<i>Study of FFPI Prediction Model for Future Food Security - A Neural Network Prediction System</i>
<b>Junjie Xue</b>	<i>The Impacts of Sidewalk Vendors on Urban Amenity in the Cities of China</i>
<b>Yupeng Zhu</b>	<i>Development of Public-participated environmental pollution prevention system in China</i>
<b>Qiming Qin</b>	<i>An Economic Framework for the Construction of Eco-Smart City in Shenzhen of China: A Comparative Study with Yokohama City, Japan</i>
<b>Li Yuan</b>	<i>Research on the Policy of Agriculture Non-point Source Pollution Problem in the Taihu Coastal Area in Suzhou City of China: A Comparative Study with Biwa Lake, Japan</i>
<b>Lin Yun Chu</b>	<i>Impacts of Gentrification on Sustainable Development in Urban Planning: Case Study in Taichung City, Taiwan</i>
<b>Shenyan Zhang</b>	<i>The relationship between wetland ecosystem restoration and the Elaphurus Davidianus reintroduction</i>
<b>Wenbo Chen</b>	<i>The Tibet Sketch Book – Himalayan Fieldwork in 2012</i>

Environmental Design Exhibition	Event Terrace
<b>Yasushi Ikeda Lab and Shohei Matsukawa Lab</b> - Azusa Ino, Sojune Ahn, Katsuya Kawabata, Masaya Shimizu, Akihiko Tanigaito, U-ichi Abe, Shuta Takagi	<b>Digital Wood Project</b>
<b>Hironori Matsubara Lab 2012 Participants</b> - Kazuho Ando, Yoko Tatemoto, Yasushi Nishiyama, Keita Kajihara, Yukari Ueno	<b>ACADEX Primary School project in R.D. Congo</b>

Chair: Hikaru Kobayashi, Professor, Keio University

**Session 5**

13:00 to 16:15

**The Reality of Environmental Risk and Redevelopment In Damaged Areas**

Symposium Space

<b>Kazuhiro Watanabe</b> Chairperson, Tsuchiyu-Onsen Tourist Association	<i>Reconstruction After Nuclear Disaster and the Creation of Local Power Plants</i>
<b>Kazutoshi Tanoue</b> Deputy Mayor, Minamata City, Kumamoto	<i>Recovering From The Environmental Pollution Disaster in Minamata</i>
<b>Yoshiki Saratani</b> Mayor, Totsukawa Village, Nara	<i>Reconstruction and Recovering From A Typhoon</i>
<b>Tomoyuki Furutani</b> Associate Professor, Keio University	<i>Technical Support for the Recovery of Radiated Areas in Fukushima</i>
<b>Kazunori Tanji</b> Assistant Professor, Keio University	<i>Supporting the Restoration of Agriculture in the Rumor Damaged Area of Fukushima City</i>
<b>Misato Uehara</b> Assistant Professor, Shinshu University	<i>Could Ecological Planning Data From the 1980 Land Agency Report Have Prevented the Disaster of Fukushima Nuclear Plants in the Wake of the Tohoku Earthquake and Tsunami</i>
<b>Renato Cesar Sato</b> Assistant Professor, Federal University of Sao Paulo, Brazil	<i>Environmental vulnerability in São Paulo (Brazil) Megacity: The transportation problem.</i>
<b>Shinano Hayashi</b> Deputy Director, Natural Resources Management Group, Adaptation Team, Institute for Global Environmental Strategies (IGES)	<i>Financial Support for Natural Disaster/ Climate Change Affected Areas : An Innovative Approach</i>

**Break**

16:15 to 16:30

Conference Room M

**Session 6**

16:30 to 17:30

Chair: Wanglin Yan, Professor, Keio University

**Discussion for further collaboration**

Symposium Space

<b>Wanglin Yan</b> Professor, Keio University	<i>Report on Session 1</i>
<b>Masataka Watanabe</b> Project Professor, Keio University Chair of the Asia Pacific Adaption Network (APAN)	<i>Report on Session 2A</i>
<b>Wanglin Yan</b> Professor, Keio University	<i>Report on Session 2B</i>
<b>Yasushi Ikeda</b> Professor, Keio University	<i>Report on Session 3</i>
<b>Shinano Hayashi</b> Deputy Director, Natural Resources Management Group, IGES	<i>Report on Session 4</i>
<b>Hikaru Kobayashi</b> Professor, Keio University	<i>Report on Session 5</i>
<b>Kit Weddle</b> Chair, Tohoku Planning Forum	<i>Report on Special Session</i>
<b>Final Discussion with all participants</b>	

**Closing Remarks**

17:30 to 18:00

**Closing Party and Networking Event**

19:00 to 21:00

Faculty Lounge

**Environmental Design Exhibition**

Event Terrace

<b>Hiroto Kobayashi Lab</b> - Wataru Doi, Akiko Noguchi, Nanako Hirano, Kazumi Masaki, Liliko Mizukami, Feng Yuqiao, Yumi Goto, Asuna Segawa, Charles Lemonnier, Ayako Oda, Katsuya Kawabata, Naoyuki Sasaki, Toshiko Shibuya, Yoko Tatamoto	<b>Veneer House in Tohoku</b>
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## Keynote Speaker



### Andries Jordaan

Director, Disaster Management Training and Education Centre for Africa  
University of the Free State, South Africa

*Dr Jordaan graduated with a BSc Agricultural degree at the University of the Free State in 1977 and an Honors degree in agricultural extension at the University of Pretoria in 1981. He worked as an extension officer for the department of agriculture and later join the private sector as an entrepreneur and farmer until 2000. He joined the academia in 2000, and since then completed the Masters degree and PhD in Agricultural Economics at the University of the Free State. Dr Jordaan worked in several African countries and has vast experience of the challenges and opportunities on the African continent. He was and still is project leader of several research projects with a focus on risk assessment and disaster risk reduction. He is currently the Director of the Disaster Management Training and Education Centre for Africa at the University of the Free State in South Africa.*

## Organizers and Session Chairs



### Wanglin Yan

Professor, Keio University, Japan  
Leader of the Environmental Innovators Program at Keio University  
Director of Center for Climate Change Adaptation

*Professor Yan graduated at Wuhan Technical University of Surveying and Mapping in 1982 with a bachelor degree of Engineering and earned his Master Degree in 1989 and Doctor Degree in 1992 at the Department of Civil Engineering, the Graduate School of Engineering, the University of Tokyo. He is a specialist in Geographic Information System and Science and contributed to the design and re-construction plan for Sichuan in China after the city was strike by a massive earthquake in 2008. His research work includes examining the degradation and conservation of the grasslands and making adaptation plans on the Tibetan Plateau and Mongolian Plateau in China.*



### Hideyuki Mori

President, The Institute for Global Environmental Strategies (IGES)

*Mr. Hideyuki Mori is a graduate of the School of Engineering, Kyoto University. He joined IGES in 2003. Prior to joining IGES, he served as Environment Specialist at the Asian Development Bank, Senior Environmental Coordinator of the United Nations High Commissioner of Refugees, Director of the Office of Research and Information at the Global Environment Issues Division of the Environment Agency of Japan (present Ministry of the Environment) and as Portfolio Manager of the Division of GEF at the United Nations Environment Programme. He has served as the President of IGES since 2010.*





## **Masataka Watanabe**

*Project Professor, Keio University, Japan  
Chair of the Asia Pacific Adaption Network (APAN)*

*Professor Masataka Watanabe received his Bachelor and Master degrees in Environmental Engineering from Kyoto University in 1968 and 1970, respectively and Ph.D. in Civil and Environmental Engineering from MIT in 1975. He has received several awards and prizes for his contributions to science, including the Tien Shan Prize from China in 2003. His main research interests concern ecosystem modelling, bio-geochemical cycles and science for sustainability. He contributed to UN Millennium Ecosystem Assessment as a Coordinating Lead Author, and is currently working on development of sustainable adaptation systems in China and Mongolia.*



## **Hikaru Kobayashi**

*Professor, Keio University*

*Mr. Kobayashi joined the Ministry of the Environment (formerly the Environmental Agency) in 1973 and was instrumental in bringing the Conference of the Parties to the United Nations Framework Convention on Climate Change (UNFCCC) to Japan in 1995. He managed international negotiations for the Kyoto Protocol and helped draft the law created to promote prevention of global warming. He served in various posts, including Director-General of the Environmental Policy Bureau, before being appointed to the position of Vice Minister of the Environment in 2009. Mr. Kobayashi retired from public service and took up his present post at Keio University in April 2011. He has authored several books on Japan's experience with pollution as well as on eco-housing.*



## **Yasushi Ikeda**

*Professor, Keio University*

*Professor Ikeda graduated with a PhD from the University of Tokyo, Faculty of Engineering. After working for several years with the world-renowned architecture and planning office, Maki and Associates he established his own design firm, IKDS, in 1995 and began teaching at Keio University in 1996. His research focuses on innovation in construction technology and fabrication. Recently he has worked with his students in Tohoku to consider how architecture can be used to take on social as well as physical challenges that emerge after a disaster.*



## **Will Galloway**

*Project Assistant Professor, Keio University*

*After completing his Master of Architecture degree from the University of Manitoba in Canada, Will worked for several years in the UK and in Japan as an architect before completing a PhD in urban planning at the University of Tokyo in 2008. In 2006 he co-established the architectural practice "frontofficetokyo", which has won several awards including the International Architecture Award in 2012. Following the disaster in Tohoku in 2011 he became one of the founders of the Tokyo chapter of the design-led disaster response organization, Architecture For Humanity. His field of expertise is sustainable architecture and urban planning.*



## **Shinano Hayashi**

*Deputy Director, Natural Resources Management Group,  
Adaptation Team, Institute for Global Environmental Strategies (IGES)*

*Shinano Hayashi is currently deputy director of Natural Resource Management Group (Adaptation Team) at the Institute for Global Environmental Strategies. His major interests are climate change adaptation strategies in the agriculture sector and Alternative Risk Transfer (ART) schemes for risks caused by natural disaster and climate change. Currently he is conducting social and economic analyses for reconstruction following the 2001 Northeast Japan Earthquake/Tsunami and works on proposal regarding local economic rehabilitation and vitalization by implementing various financial schemes.*



### Daniel Aldrich

Associate Professor, Purdue University

Daniel P. Aldrich received his Ph.D. and M.A. in political science from Harvard University, an M.A. from the University of California at Berkeley, and his B.A. from the University of North Carolina at Chapel Hill. Daniel has focused on the ways in which state agencies interact with contentious civil society over the siting of controversial facilities such as nuclear power plants, airports, and dams. His current research investigates how neighborhoods and communities recover from disasters. He has published two books (*SITE FIGHTS* and *BUILDING RESILIENCE*), 20 peer-reviewed articles and much research for general audiences.



### Pervaiz Amir

Global Water Partnership - South Asia (GWP-SAS)

Dr. Pervaiz Amir graduated with a B.Sc degree from the University of Agriculture Faisalabad, Pakistan in 1979 and completed his M.Sc in Agriculture economics and a Ph.D in production economics from Michigan State University, in 1982 and 1984 respectively. He also undertook advanced study in Environmental Economics from Harvard University in 2009. His research focuses on impacts of climate change on water, agriculture and environment in South Asia in irrigated and dryland ecologies. Special interest in adaptation strategies and advice to governments. He is a regular guest on various TV & radio programs and author of over 250 professional publications.



### Yingjiu Bai

Project Associate Professor, Keio University

Yingjiu Bai is an urban climatologist, with a PhD degree (2001) from Keio University. From 2001 to 2011 she taught climate science in urban design, urban sustainability science and related environmental sciences at Tohoku University of Community Service and Science. Since 2010, she is a project associate professor at the Graduate School of Media and Governance, Keio University, and works on the Program to Reform the Social System for Creation of a New Society Adapting to Climate Change: Green Society ICT Life Infrastructure. Her main research interest is the evolution of urban climate within the context of climate change and mitigation and adaptation strategies for cities.



### Manjushree Banerjee

Associate Fellow, The Energy and Resources Institute, India

Ms. Manjushree Banerjee has ten years of experience working on clean energy applications for sustainable rural development. Studies and implementation projects undertaken by her involve social and capacity building related to clean energy, rural infrastructure and livelihood interventions in rural and remote communities. She is also pursuing a part-time PhD from Indian Institute of Foreign Trade, New Delhi.



### Andrew Brose

Architect, MASS - Kigali office

Andrew received his B. Architecture from the University of Oregon in 2010 and soon after joined MASS in Rwanda where he has been assisting in the design and construction of Girubuntu Primary School, Rwinkwavu Housing, Butaro Cancer Center, and the Butaro Doctor's Housing complex. In addition Andrew oversees the development of MASS's new projects in Uganda, including the a medical Center in Kasese and design for a new school of public health at the Mbarara University of Science and Technology. Andrew is focused on using innovative building systems and local materials to provide appropriate solutions to social and environmental design problems in resource limited settings.



### Ngamindra Raj Dahal

PhD Candidate, Kathmandu University, Nepal

Ngamindra Raj Dahal is a Nepal-based Climate Change Analyst with 15 years of postgraduate experiences in climate change, water and environment management sectors. As a climate change adaptation specialist, he has worked on various research and policy papers for government agencies including the Ministry of Environment, Science and Technology – Nepal, ICIMOD, UNEP, and Asian Development Bank. He also served as Technology Transfer and Training Specialist to the vulnerability and adaptation component of the Second National Communication project for the Ministry of Environment.



### Andrew DeWit

Professor, Rikkyo University

Andrew DeWit holds a PhD in the political economy of Japan (UBC, 1997). He teaches the political economy of local finance and energy/environmental policy. He is lead researcher for a five-year (2010-2015) Japanese-Government funded project on the political economy of the Feed-in Tariff, a coordinator of Japan Focus and a member of the Toshima-ku (Tokyo Ward) commission on Gender Equity. Recent work includes (with Kaneko Masaru and Iida Tetsunari) "The Financial Crisis and the Green New Deal (in Japanese)," in the Green Industrial Revolution.



### **Xiaojun Deng**

*Programme Officer for Communications and Development  
Asia-Pacific Network for Global Change Research (APN)*

*Mr. Xiaojun Deng is Programme Officer for Communications and Development at the APN Secretariat. His main responsibilities include facilitating internal and external communications of the Network; managing its online presence including website and databases; and coordinating in-house publications. Before joining the APN, Xiaojun worked at the UNEP headquarters in Nairobi as a language and communications consultant. Having worked in the global change community for about three years, he develops a strong interest in knowledge management and data visualization.*



### **Christian Dimmer**

*Assistant Professor, University of Tokyo*

*Dr. Dimmer graduated from the interdisciplinary Spatial and Environmental Planning program at the Technical University of Kaiserslautern, Germany, and earned his PhD from the University of Tokyo. He has cooperated as an urban design consultant with architectural firms such as Arata Isozaki and Associates, and property developers like Mitsubishi Estate Inc. In 2006 he co-established the architectural practice "frontofficetokyo", and in 2011 was one of the founders of the Tokyo chapter of Architecture For Humanity. He also teaches sustainable urbanism and planning theory at Waseda University's School of International Liberal Studies.*



### **Harutoshi Funabashi**

*Professor, Hosei University*

*Professor Funabashi's chief research aims to master basic sociological theories based on social surveys. Themes include social planning and social movements related to environmental problems and regional problems. Major academic papers include "Minamata Disease and Environmental Governance" (2006), "The Duality of Social Systems and the Environmental Movement in Japan" (2011), and "Why the Fukushima Nuclear Disaster is a Man-made Calamity" (2012).*



### **Tomoyuki Furutani**

*Associate Professor, Keio University*

*Tomoyuki Furutani is an Associate Professor of Keio University Faculty of Policy Management. He is a graduate of Keio University, and earned his PhD from the University of Tokyo, Graduate School of Engineering. He is specialized in spatial statistics, spatial econometrics, tourism, and urban transportation planning.*



### **Arieta Gonelevu**

*Senior Project Officer, Oceania Regional Office  
Energy, International Union for Conservation of Nature (IUCN), Fiji*

*Ms Gonelevu graduated from the University of the South Pacific, Fiji in 1999 with a Bachelor of Technology (Electrical/Electronics Engineering) and earned her MSc (Renewable Energy) degree in 2006 from Murdoch University, Australia. She worked as an energy specialist for the Government of Fiji, SOPAC, IUCN and SPC in the last 10 years with a special focus of implementing renewable energy technologies for rural Pacific communities.*



### **Tokutaro Hiramoto**

*Chief Consultant, Emerging and BoP Markets Consulting Group, NRI  
Guest Professor, Meiji University (BoP Business); Part-time lecturer, Miyagi University (CSR, BoP Business)*

*Tokutaro Hiramoto earned his Masters degree at Keio University Graduate School of Media and Governance. He is working at Nomura Research Institute as senior consultant in the BOP (Bottom of Pyramid) consulting group. He also lectures on BoP Business at Meiji University as a guest professor, and Miyagi University as a part-time lecturer. His work is mainly BoP Business, overseas advance support of private firm in Africa, and public-private company cooperation in the field of climate change. He has authored "BoP Business Strategy" (in Japanese).*



### **Tsukasa Ishizawa**

*Design Manager, Takenaka Corporation*

*Tsukasa Ishizawa graduated from Keio University Graduate School of Media and Governance in 2006 majoring in Parametric Design. He joined Takenaka Corporation in 2006, and from 2012 is working as a Design Manager and BIM Manager in Singapore. Major works includes Matsuzakaya Park Place 24 and Tokyo Electric Power Company Okachimachi substation. He has received various awards including the 2010 SDA (Sign Design Association Award), 2010 DDA (Display Design Award) prize, the 2010 prize for colour in public places, and the 2011 SDA.*



### **Sinkyu Kang**

*Professor, Kangwon National University, Republic of Korea*

*Professor Kang graduated from Seoul National University in 1990 with a bachelor degree of Physics and in 1995 with a master degree of Environmental Science, and in 2001 with a doctor of Ecology, followed by 3-yr post-doctoral research at the University of Montana, U.S.A under the supervision of Prof. S. Running. He is a specialist in ecological modelling and remote sensing and is leading the Korea-German TERRECO International Training and Research Group, together with Prof. J. Tenhunen at University of Bayruth, Germany. His research work includes development of remote sensing, biophysical modelling techniques on terrestrial vegetation, primary productivity, and land surface evapotranspiration.*



### **Hiroto Kobayashi**

*Professor, Keio University*

*Hiroto Kobayashi is an Associate Professor of Keio University Graduate School of Media and Governance, co-director of International Keio Institute for Architecture and Urbanism (IKI), and a Visiting Associate Professor of Massachusetts Institute of Technology. He studied architecture and urban design at Kyoto University and earned a PhD at the Harvard Graduate School of Design (GSD). He worked with Nikken Sekkei and Norman Foster and Partners as an architect before founding Tokyo-based architectural design office KMDW in a partnership with Naomi Maki.*



### **Tomoki Kobayashi**

*PhD Candidate, Keio University*

*Tomoki Kobayashi is a Ph.D. Student of KEIO University. He is specialist in Geographic Information System (GIS) and Agent-Based Modeling (ABM) and his main research interests concern energy potential assessment and innovation diffusion modeling. He is currently working on the development of a web-platform for community-based energy planning in Kesenuma.*



### **Hiroko Kodaka**

*Associate Programme Manager, Asia Pacific Adaptation Network*

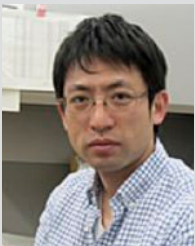
*Ms. Kodaka recently joined the IGES Bangkok Regional Centre as Associate Programme Manager for the Asia Pacific Adaptation Network (APAN). She oversees three sub-regional nodes (North East, South East, and the Pacific) and one thematic node (agricultural) in her work to carry out APAN activities. Her research studies include climate change adaptation in the Asia Pacific.*



### **Hironori Matsubara**

*Associate Professor, Keio University*

*Graduated from Tokyo National University of Fine Arts and Music in 1995, Hironori Matsubara was a visiting researcher at Moscow Architecture Institute, Russia in 1996 before graduating from the University of Tokyo in 1997. After working at Toyo Ito and Associates from 1997-2001 he moved to Shenyang Urban Design and Research Institute, Liaoning / Atelier FCJZ, Beijing, China from 2001-2002. From 2002-05 he was adjunct lecturer at Peking University, and in 2005 established Beijing Matsubara and Architects (BMA). From 2005 he became associate professor at Keio University.*



### **Yusuke Matsuo**

*Policy Researcher, Program Management Office, Institute of Global Environmental Strategy (IGES)*

*Yusuke Matsuo earned his Master of Science degree in Environment Management and Policy at the International Institute for Industrial Environmental Economics (IIIEE) in Lund University, Sweden. He has experience working at Sanwa Bank and The Good Bankers, an investment advisory firm, before joining IGES. His current research interests include green economics and climate and business.*



### **Yoshitomo Mori**

*Assistant Director, Research and Information Office,  
Policy and Coordination Division, Global Environment Bureau, Japan Ministry of the Environment*

*Yoshitomo Mori graduated from Kyoto University in 2000 with a bachelor degree of Engineering and earned his Master's degree in 2003. He was involved in waste administration and global environmental administration in the Japan Ministry of the Environment before he was transferred temporarily to the Environment Division of Tokyo Electric Power Company taking charge of environmental impact assessment for temporary power plants built after 3.11. He is now working in the Research and Information Office of the Ministry of the Environment (Japan).*



### **Akmaral Mukaeva**

*Environmental Management Program Specialist  
The Regional Environmental Centre for Central Asia (CAREC)*

*Ms. Mukayeva graduated from Kazakh National University in 2006 with a bachelor degree of Ecology and in 2006 earned her Master's degree. She manages projects using environmental management tools including Environmental Impact Assessments, Strategic Environmental Assessment, Shared Environmental Information System and the project Drynet which is aimed to promote resilience in drylands.*



### **Yosuke Nakayama**

*Chief, Global Environmental Affairs Office, Industrial Science and Technology Policy and Environment Bureau, METI*

*Yosuke Nakayama is currently the Chief Administrator at the Global Environmental Affairs Office, Ministry of Economy, Trade and Industry (METI). In climate change policy at the METI, he is in charge of supporting sustainable development through the utilization of Japan's technologies and products in developing country. Since joining METI in 2001, he has worked in various policy areas including regulatory reform and creation of new business, regional economic and industrial development, and IT system/software.*



### **Akihiro Oba**

*PhD Candidate, Keio University*

*Ahihiro Oba is currently pursuing his PhD at Keio University Shonan Fujisawa Campus where he is focused on adaptation research in Mongolia.*



### **Ranjith Perera**

*Associate Professor, Sultan Qaboos University  
Urban Environmental Management Program, Asian Institute of Technology*

*Dr. Ranjith Perera is an Architect-Planner. He received his academic qualifications from the University of Moratuwa, Sri Lanka and Asian Institute of Technology (AIT), Bangkok, Thailand. He was a Fulbright Post-doctoral Fellow at the School of Planning, University of Cincinnati, Ohio, USA. He is currently on leave from AIT and working at the Sultan Qaboos University in Muscat, Oman. His research interests include eco-sensitive planning and architecture, community-based urban environmental management, and disaster preparedness in urban environmental planning.*



### **Yoshiki Saratani**

*Mayor, Totsukawa Village, Nara*

*Yoshiki Saratani is a native of Totsukawa Village, Nara prefecture. After graduating from the Osaka Institute of Technology, he worked in a private firm then returned to Totsukawa Village to work in forestry. He became an assistant official of Totsukawa Village in 1993, and in 2001 was elected as mayor for the first time. Re-elected in 2005 with the slogan "home for revitalization of mind and body", he is now in his third term.*



### **Renato Sato**

*Assistant Professor, Federal University of Sao Paulo, Brazil*

*Professor Renato Cesar Sato is an Economist with Master Degree and Ph.D. in Nuclear Technology Applications from the University of São Paulo. He works as Assistant Professor of Economics at Federal University of São Paulo in the Institute of Science and Technology in Brazil.*



### **Taihei Shibata**

*Director, Smart Community Section, Office for Environmental Future  
City Promotion Environment Bureau, City of Kitakyushu*

*Taihei Shibata joined the City of Kitakyushu municipal office in 1992 where he led in environmentally grounded projects such as the operation and maintenance of a waste incineration plant, the "eco-town" project, PCB waste disposal, as well as developing measures against global warming. In 2010 he took charge of the Kitakyushu Smart Community development project.*



### **Balt Suvdantsetseg**

Assistant Professor, National University of Mongolia

Dr. Suvdantsetseg graduated from the National University of Mongolia in 2005 with a bachelor degree of Applied Physics and Ecology and a Masters degree in Remote Sensing and GIS in 2007. She earned her PhD from Keio University in 2012. Recently, her work focuses on ecotourism management planning in remote areas of Mongolia, participatory adaptation approaches for development of livelihood in small communities, and Participatory Geo-spatial approaches to investigate desertification processes in real sites.



### **Masaki Takahashi**

CEO, Kesenuma Shokai

Masaki Takahashi graduated from the Faculty of Commerce, Waseda University in 1986. He is the CEO of Kesenuma Shokai, which deals with marine fuel, gasoline and LPG. He also works in public office as Leader of Kesenuma City Earthquake Disaster Reconstruction Civil Committee, Kesenuma City Board of Education, Kesenuma City Chamber of Commerce, Manager of Miyagi Prefecture Petroleum Association, Vice-Chairman of Japan Petroleum Association Cooperative Society Section Meeting, and Secretariat of Exploratory Meetings for Seawalls.



### **Sosuke Tanaka**

Unit Chief, Research/ Coordination Section Japan Reconstruction Agency

Born in Hyogo prefecture, Sosuke Tanaka joined the Ministry of Economy, Trade and Industry (METI) in 2007. After 3.11, he worked on the logistics of METI resources such as fuels and daily needs in the Prime Minister's official residence. From May 2011, he joined the secretariat of the headquarters of reconstruction working on managing the reconstruction design council, settling the basic guidelines for reconstruction, and establishing the special reconstruction district. He is currently in the Reconstruction Agency working on industrial rehabilitation, the special reconstruction district, promoting business collaboration, international investment, and investing in Japan.



### **Akira Taniguchi**

Ohisama-Shimpo Energy

Akira Taniguchi graduated from Nagoya University Graduate School of Environmental Studies in 2004, and joined the development branch of NGK Insulators, LTD. After seeing a TV program on NHK about Ohisama-energy in 2008 he was inspired to change his career. He is now working as a business development consultant/ manager in solar power generation and citizen fund trying to realize a model for local production and consumption of renewable energy starting from Nagano prefecture.



### **Kazunori Tanji**

Assistant Professor, Keio University

Kazunori Tanji specializes in issues related to water resources, food supply issues under Climate Change, and biomass energy. He is particularly interested in macro-economic analysis regarding the trade-off between food and water security in East Asia in relation to incentive policies for bio-fuel, and is currently working on revitalization projects in Fukushima related to agricultural land after the nuclear disaster in 2011.



### **Kazutoshi Tanoue**

Deputy Mayor, Minamata City, Kumamoto

Kazutoshi Tanoue is a native of Minamata City, Kumamoto prefecture. He firstly joined a private firm after graduating Hosei University, Faculty of Social Sciences, and then entered the municipal office in Minamata city. After retiring from his position as chief of the construction department in the municipal office in 2011 he took the position of deputy mayor of Minamata city.



### **Vo Trong Nghia**

Director, Vo Trong Nghia Co., Ltd.

Vo Trong Nghia founded his architectural office in Vietnam in 2006 after graduating from Tokyo University and Nagoya Institute. He creates sustainable architecture with environmentally-friendly materials such as bamboo. His works have received high praise in Vietnam and overseas and have been awarded with the ARCASIA award, International Architecture Award (IAA), Architectural Review Award (AR), WAN 21 for 21, and WAF 2012. Representative works include wNw Café (2006), wNw Bar (2008), Bamboo wing (2009) and Stacking Green (2011).



### **Renchin Tsolmon**

*Professor, National University of Mongolia*

*Dr. Tsolmon Renchin holds a Ph.D. degree in Environmental Science and Remote Sensing from Chiba University in Japan. Prior degrees were earned at the National University of Mongolia (M.S.) and the University of Irkutsk (B.S.) in Russia. She has done her postdoctoral research at Pennsylvania State University and NASA, Greenbelt, Maryland, U.S.A. Currently she is a Professor at the National University of Mongolia and head of the NUM-ITC-UNESCO Remote Sensing and Space Science laboratory. Her research interests include application of Remote Sensing and GIS to environment, Climate Change and Natural Resource management.*



### **Misato Uehara**

*Assistant Professor, Shinshu University*

*Misato Uehara graduated with Bachelor of Design in 2000, Master's degree in 2002 and Doctorate degree in 2005 from the University of Kyushu Graduate School of Design. He worked as a research assistant of Design at Kobe Design University from 2005-2007, and is currently Assistant Professor in the Faculty of Agriculture, Shinshu University. He is a generalist tackling ecological planning issues from both design and research perspective.*



### **Sanjay Vashist**

*Climate Action Network South Asia (CANSA)*

*Sanjay Vashist is adviser to the Climate Change Programme of Heinrich Boell Foundation in India and Directing the Climate Action Network in South Asia (CANSA). Previously he worked with TERI as a Climate Change expert. He also worked as International Coordinator for Climate Action Network International (CANI) in Bonn, Germany coordinating the activities of ENGOs network and acting as focal point for ENGOs constituency of observers under UNFCCC. Prior to pursuing a career in climate change science and action he worked as Natural Resource Scientist in rural communities of Central India, implementing community based projects designed to strengthen sustainable livelihoods.*



### **Kazuhiro Watanabe**

*Chairperson, Tsuchiyu-Onsen Tourist Association*

*Kazuhiro Watanabe runs a Japanese-style hotel (ryokan) at Tsuchiyu-Onsen hot spring, some 20km west of Fukushima city. He is the chairperson of the Tsuchiyu-Onsen Tourist Association, and the director of non profit organization Tsuchiyu-Onsen Tourist City-Planning Society. He is also the chairperson of the Fukushima City Kanko-Bussan Association and hosted the Fukushima Koderanni Festival, and is working to rehabilitate tourism in Fukushima City. Moreover, he is the president of the Fukushima Chamber of the Commerce.*



### **Qian Ye**

*Professor, Beijing Normal University*

*Dr. Qian Ye is Professor for climate change impacts at Beijing Normal University, deputy general secretary of the Chinese National Committee for IHDP and leading scientist of the Social and Economic Impact Assessment Group at Beijing Meteorological Bureau. He is executive director of the newly established IHDP core project, IRG-Project and member of the Scientific Steering Committee. His current research interest is focused on the role of social and ecological dynamic system in dealing with climate change and its impacts.*



### **Shoji Yo**

*Graduate of EI Course, Keio University  
(SEKISHO CORPORATION)*

*Mr. Yo earned a B.S. degree in engineering from Kansai University, Osaka, Japan, in 1988, and Master's degree in Media and Governance from Keio University in 2012. From 1988 to 2010, he worked with OKI Electric Industry Co. in Tokyo, as a Device Engineer using the semiconductor wafer process. He moved to Sekisho Corporation in 2010 and where he has taken an active role in energy related business in the North Kanto region of Japan.*

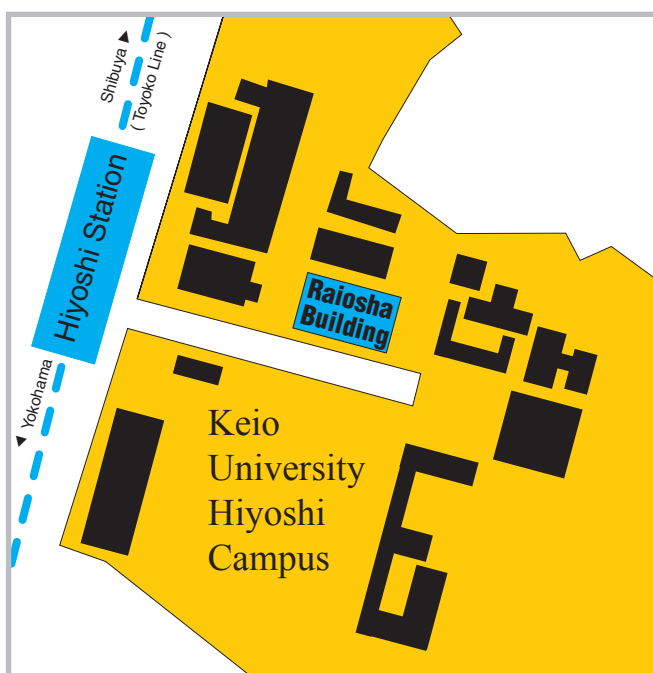
### **Kit Weddle**

*Chair, Tohoku Planning Forum*

*European President of The Commonwealth Association of Surveying and Land Economy*

*Kit is a long term resident in Tokyo and has over the years been involved in many types of asset class in many different countries. Kit is a Land Economist heading up his own firm, Land Development. As an experienced development hand and real estate consultant, his firm provides consultancy advice to Forbes 500 type firms on a global basis. His doctorate focused specifically on industrial real estate development in Japan. Kit is also a board director of the Pacific Rim Council on Urban Development (PRCUD), the President of the Europe Region of the Commonwealth Association of Surveying and Land Economy (www.casle.org) and chairman of the British Chamber of Commerce in Japan's Property Forum.*

**All events will take place in the Raiosha Building  
at Keio University, Hiyoshi Campus**



**Address:**

Raiosha Building  
4-1-1 Hiyoshi, Kohoku-ku, Yokohama, Kanagawa 223-8521, Japan

**Access:**

1 min. walk from Hiyoshi Station  
(Tokyu Toyoko Line, Meguro Line, or Yokohama Municipal Subway Green Line)  
Note: Tokyu Toyoko Line Ltd. Express trains do not stop at Hiyoshi Station.

*Further Information : <http://ei.sfc.keio.ac.jp/symposium2012>*

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Co-organizers: Institute for Global Environmental Strategies (IGES) and  
the Asia Pacific Adaptation Network (APAN)

