

Group Discussions at the 3rd LCS Workshop

Outputs

- Presentations at panel discussion in the afternoon on Feb 15, 2008
- Key messages for “Call for Action”
- Summary of discussion points for “Executive Summary”
- Summary of key-note speech and lead speech for “Full Report”
- Biography and presentation of expert workshop participants for “The 3rd LCSWS homepage (or should the Full Report be included???)”

Presentations at panel discussions (150min) in the afternoon on Feb 15, 2008

- Co-chairs introduce the purpose and procedure of panel discussions (10min)
- Each group has 30 min for discussion (30min x 4 = 120 min)
 - Co-chairs introduce 2 questions (each question has 3-4 answer choices), that are prepared by group-chairs, to audiences (5-10min) and audiences show their answers using opinion counter.
 - Group chairs (and reporter) have 10-15 min summary presentation on overall discussions.
 - Co-chairs again ask the same 2 questions to audience and investigate how their opinions will change. Co-chairs invite some comments from the floor.
 - Each rapporteur summarizes group discussion in 1-2 pages.
- Co-chairs organize overall discussions (20min)

Note: Japanese members talk in Japanese at Symposium on Feb 15, 2008.

Participants of panel discussion

Co-chairs: Shuzo Nishioka (coordinator) and Jim Skea (commentator)

Manager: Junichi Fujino (time keeper, etc)

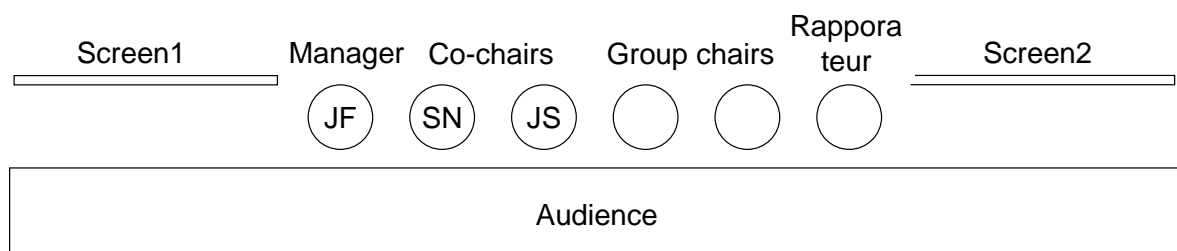
Group-chairs (and Rapporteur)

Group1, Behavior: Jeremy Watson and Yuichi Moriguchi (Steve Cornelius)

Group2, SD: David Ogulande and Taka Hiraishi (Sunil Malla and Tomoki Ehara)

Group3, Investment: Takejiro Sueyoshi and Jose Garibaldi (Andy Bolitho)

Group4, Barriers and Opportunities: Jim Watson and Naoya Tsukamoto
(Jiang Kejun and Toshi Arimura)



Pre-SC meeting on 15:00-17:00, Feb 12th 2008 for SC members + Group Chairs + Rapporteur meeting at hotel

Expert Workshop on Feb 13th and 14th, 2008

1. Main outputs

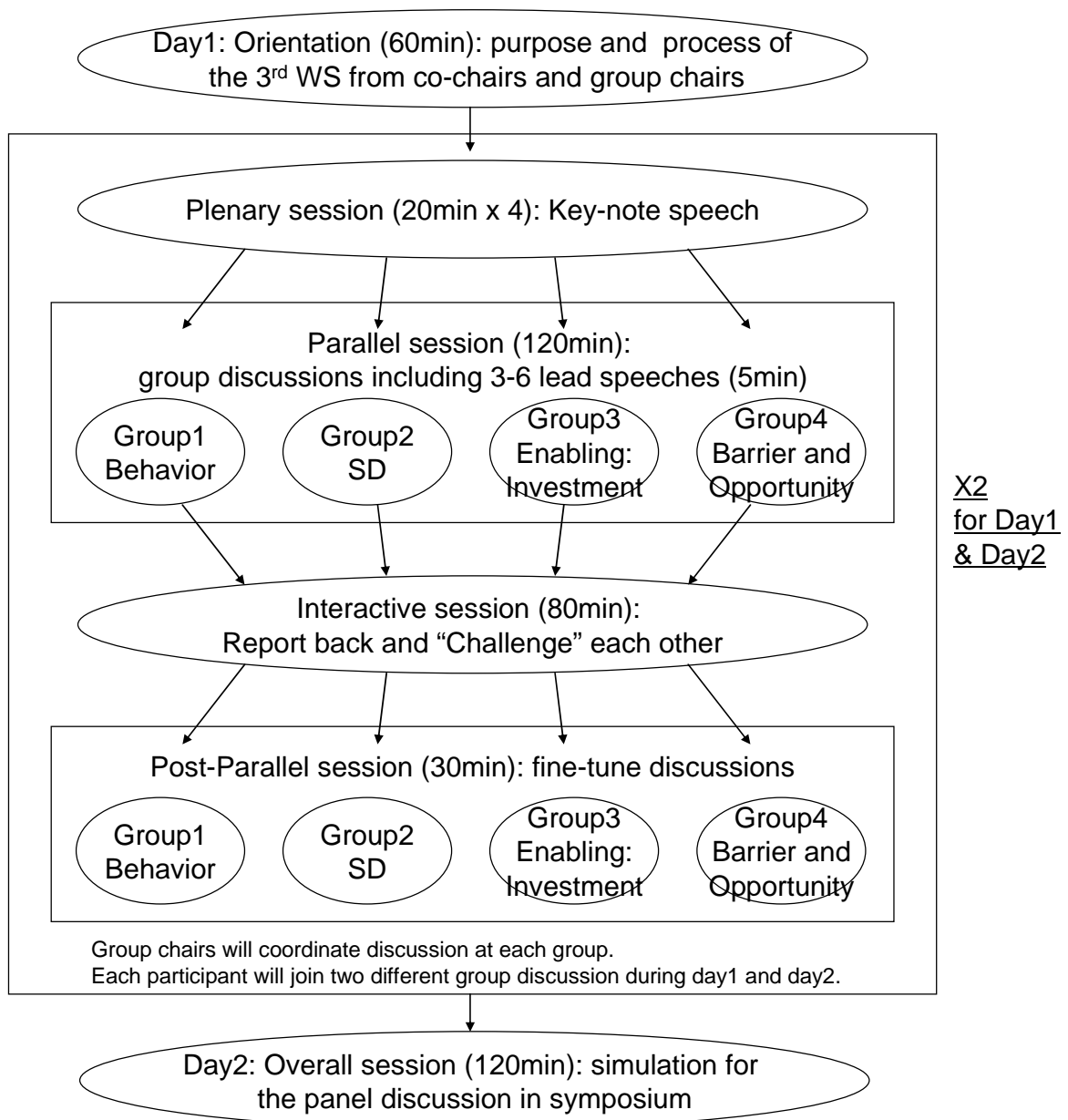
- 2 questions and 10-15min presentation
- Key messages from discussions by group-chairs
- Summary of discussions by rapporteur

2. Structure

- Orientation (60min): Background and purpose of this workshop by co-chairs (10min), Discussion points from group chairs (10min x 4), Q&A (10min)
- Group Discussions (1st round at Day1, 2nd round at Day2)
 - Key-note Speech: Each speaker will cover key discussion points for each group (20min: 15min talk and 5min Q&A).
 - Parallel Session (120min): Participants will be divided into 4 groups during parallel session. Each group will cover 4-8 lead speeches (5min each with slides) and discussions to explore key messages and questions.
 - Interactive Session (80min): All participants will get together to report back from each group work in parallel session and have discussion to fine-tune key messages and questions.
 - Post-Parallel Session (30min): Participants will divide into same groups as parallel session and polish their outputs while taking account of discussions during interactive session.
- Overall Session (120min): Simulation for the panel discussion in symposium. Each group has 2 questions and 10-15min presentation including discussion points and available evidence to support its suggestions for achieving LCSs.

3. Rules

- 1) Each participant has an opportunity to make a presentation as key-note speaker (15min+5min) (assigned by SC members) or lead speaker (5min) on Day1 or Day2.
- 2) Each presentation should include key (discussion) points of "Roadmap to Low-Carbon World" and evidence to support suggestions for achieving LCSs.
- 3) Each participant joins two different group discussions during two-day expert workshop.
- 4) Each participant should prepare tentative presentation material (including back-up slides) and one-page (maximum two-page) summary and send them to Secretariat by Feb 4th, 2008. Secretariat posts it on "The 3rd LCSWS homepage", initially only for participants. Homepage will be available for public in the morning on Feb 15th after final confirmation by each participant during expert workshop. Group chairs prepare storylines and key questions considering inputs from participants.



Co-Chairs: Shuzo Nishioka, Jim Skea
Manager: Junichi Fujino
Housekeeping: Junko Mori

Group1: Behavior change and its impact on delivering LCSs

Changing patterns of behaviors in contemporary society

Aim of the working group:

The objective of this working group will be to discuss the levers that can trigger behaviour change and how best to employ them. We should aim to be able to deliver key messages on the most effective behaviour changes in relation to dealing with future energy demand and use. Discussion should also identify what barriers exist in delivering behaviour change towards more efficient energy use and what policies should be implemented to overcome them. We should also aim to discuss what the various roles are for key actors in modern society, including Government, businesses, individuals and organizations. It is interesting to find relationship between post-mass production/consumption/waste age and LCSs.

It is expected that we agree on the priority of built and transport sector for behavior change supported by appropriate regulatory frameworks and urban planning.

Key Questions

- What are the main levers in behaviour change, what barriers need to be overcome?, and
 - What roles exist for different actors i.e. individuals, businesses, Governments, etc?
 - What are the roles of policy options, including regulations and setting standards, for behaviour change?
 - In particular, how consumption patterns of the developed countries can be tackled in the context of behavior change?

Group1: Behavior change and its impact on delivering LCSs

Changing patterns of behaviors in contemporary society

Group chairs: Jeremy Watson (Arup, UK) and Yuichi Moriguchi (NIES, Japan)

Rapporteur: Steve Cornelius

Day1 (13th Feb, 2008)

Key-note speech:

Charles Secrett, Special Advisor (Sustainability) The Mayor's Office/Visit London

Lead speech (alphabetical order):

- 1) Jun Fujimoto (Tokyo University), ICT and lifestyle (13th only)
- 2) Murari Lal (India), New Delhi plan
- 3) Masaru Ohara (Tokyo Metropolitan), Tokyo Minus Carbon Project
- 4) Ichiro Ozawa (Waseda Univ.), Urban planning in Chiyoda District
- 5) Ho Chin Shion (Malaysia), Urban planning in Johor district
- 6) Yasuo Takahashi (MOEJ), Japan LCS policy (13th only)

Housekeeping:

Sachiko Tsukahara (MOEJ)

Day2: (14th Feb, 2008)

Key-note speech:

Yuichi Moriguchi, Director of research center for material cycles and waste management, NIES

Lead Speech (alphabetical order):

- 1) Renaud Crassous (CIRED, France), Sustainability in France?
- 2) Shobhakhar Dhakal (GCP Office, NIES)
- 3) Mariko Hanada (Osaka Sangyo University), Consideration on Environmental Consciousness
- 4) Teruaki Masumoto, Ikuo Nishimura (TEPCO, Japan), Lifestyle change and technology
- 5) Mike Norton (Shinshu Univ), "overcoming limits to behavioural change", (the limits of behavioural change as a means of reducing carbon intensity and concluding that until one 'fixes' the market externalities (via a carbon price) there is little prospect of making much progress.)
- 6) Naoki Matsuo (Climate Expert), Carbon Offset, <http://www.pear-carbon-offset.org/>
Jim Skea???

Housekeeping:

Kazuya Fujiwara (MHIR)

Group2: Delivering LCS through Sustainable Development

This group should first share understanding of different capabilities among developing countries in terms of adaptation to and mitigation of the climate change. It should then discuss the similarities and differences that exist between SDPAMs (Sustainable Development: Policy and Measures) and approaches to LCS, including both adaptation and mitigation aspects but mostly focusing on the latter. It should also look at where the starting positions between developed and developing countries differ and how sustainable development can deliver a pro-growth strategy whilst also addressing climate concerns. We should aim to be able to deliver statements on what the substance of an SD approach to transitioning to a LCS is and what priorities need to be made in implementing SDPAMs. This group should also consider how to mainstream such an approach into development pathways.

Key Questions

- What are the differences among developing countries in terms of adapting to and mitigating the climate change?
- What are the differences between SDPAMs and LCS approaches and what advantages do LCS approaches provide to achieve SD?
- How approaches to LCS can be integrated into SDPAMs?

Group2: Delivering LCS through Sustainable Development

Group chairs: Ogunlade Davidson (University of Sierra Leone), Taka Hiraishi (IGES, Japan)

Rapporteur: Sunil Malla (Technology Consultancy Services, Kathmandu), Tomoki Ehara (MHIR)

Day1 (13th Feb, 2008)

Key-note speech:

Rae Kwon Chung, Director, Environment and Sustainable. Division, UNESCAP

Lead speech (alphabetical order):

- 1) Joanna Gaches (Defra)
- 2) Ryokichi Hirono (Seikei Univ)
- 3) Mikiko Kainuma (NIES), AIM model
- 4) Masato Kawanishi (JICA), ODA
- 5) Andre Santos Pereira (COPPE, Brazil), Biomass
- 6) Ram Shrestha (AIT), Thailand/ASEAN scenario

Housekeeping:

Tomoki Ehara (MHIR)

Day2: (14th Feb, 2008)

Key-note speech:

P.R.Shukla, Professor, Indian Institute of Management

Lead speech (alphabetical order):

- 1) Rizaldi Boer (Bogor University, Indonesia), Forest
- 2) Haroldo de Oliveira Machado Filho (Brazilian delegation), perspectives of Brazil (14th only)
- 3) Kensuke Fukushi (Tokyo University), SD (14th only)
- 4) Stanford Mwakasonda (ERC, South Africa), SD-PAMs
- 5) Tomohiro Sudo (JBIC), CDM
- 6) Yoshiaki Yamanaka, (Shiga Prefectural Government), Shiga sustainable scenario (14th only)

Housekeeping:

Tomoki Ehara (MHIR)

Group 3: Enabling LCSs: Investment

How to inspire innovation, driving force to make it happen

This group should discuss the need to create positive investment conditions for existing and cusp clean technologies and the policies that would facilitate doing this. It should also look at the innovation chain and discuss what needs to be done to enhance it globally. We aim to deliver key messages on the need to shift the expected future investment as stated by the IEA of US\$22 trillion until 2030 into clean energy solutions. We should also aim to deliver key messages on

1. necessity of urgent shift in public and private sector investments for development and dissemination of LC technologies,
2. the urgent need for a global carbon market and for the financing in order to underpin the future investment in low-carbon technologies.
3. The role of government to send robust, consistent signals to private sector. Investments by private sector are much greater than public sector, and thus very important.
4. Early investments, avoiding “lock-in” is quite important, particularly in the energy sector.

Key Questions

- What conditions (rules, institutions, price signals) will stimulate investment for LCSs?
- How do we create the necessary incentives to drive and enhance innovation?
- What are the roles of the governments to make necessary investments happen?

Group 3: Enabling LCSs: Investment

How to inspire innovation, driving force to make it happen

Group chairs: Jose Garibaldi (Enegeia Mexico), Takejiro Sueyoshi (UNDP)

Rapporteur: Andy Bolhito

Day1 (13th Feb, 2008)

Key-note speech:

Takejiro Sueyoshi (UNEP), Special Advisor in the Asia-Pacific region of the UNEP Finance Initiative

Lead speech (alphabetical order):

- 1) Eiichiro Adachi(The Japan Research Institute), Finance
- 2) Yurika Ayukawa (WWF Japan), Emission Trading (13th only)
- 3) Don Gunasekera (ABARE), Investment in Australia?
- 4) Narito Shibaike (Panasonic, Japan), Energy efficient electric appliances, Factor X (13th only)
- 5) Ralph Torrie (ICF Canada), Investment in Canada?
- 6) Suguru Yarmayo (Itochu Co), Mottainai, Fair trade

Housekeeping:

Kazuya Fujiwara (MHIR)

Day2: (14th Feb, 2008)

Key-note speech:

Emma Howard Boyd, Head of Socially Responsible Investment, Director Jupiter Asset Management (14th only)

Lead speech (alphabetical order):

- 1) Yoshihiro Fujii (Sophia Univ, Japan), Finance
- 2) Chikara Furuya (Institute for International Monetary Affairs)
- 3) Shigeru Hikone (Arup Japan), Urban planning???
- 4) Toshihiko Masui (NIES), Carbon tax in Japan
- 5) Peter David Pedersen (E-Square), CSR (14th only)
- 6) David Warrilow (Defra)

Housekeeping:

Shuichi Ashina (NIES)

Group 4: Barriers and opportunities: approaches to sensitive LCS sectors

Wiping out concerns, bright futures, level playing fields, impacts to industry and other sectors

This group should discuss what sectors are most sensitive and/or vulnerable in the transition to LCS. It should discuss the barriers that exist in such sectors (such as iron & steel) and what approaches can help to overcome them. A key concern will be to create the conditions which will allow these sectors to take advantage of new and emerging green products and services. We can expect a discussion on competitiveness in an international approach to sectors. We should aim to deliver positive messages on the opportunities that exist for sectors in new “green” markets and policy measures to achieve level playing fields.

Key Questions

- What sectors are most sensitive and/or vulnerable in the transition to LCS?
- What kind of inertia hinders transition to LCSs (concepts, social systems, economic systems, infrastructure, etc)?
- What opportunities exist for such sectors in new “green” markets and what policy measures exist to achieve international level playing fields?

Group 4: Barriers and opportunities: approaches to sensitive LCS sectors

Wiping out concerns, bright futures, level playing fields, impacts to industry and other sectors

Group chairs: Jim Watson (SPRU, UK), Naoya Tsukamoto (MoEJ, Japan)

Rapporteur: Jiang Kejun and Toshi Arimura

Day1 (13th Feb, 2008)

Key-note speech:

Christopher Beauman, Senior Adviser, EBRD (European Bank for Reconstruction and Development)

Lead speech (alphabetical order):

- 1) Mette Norgaard Dissing, Eva Jensen (Ministry of Climate and Energy, Denmark) (13th only)
- 2) Kimiko Hirata (KIKO network), role of NGO
- 3) Tetsunari Iida (ISEP), renewable energy in Japan (13th only)
- 4) Teruo Okazaki, Hironobu Nose (Nippon Steel Cooperation), steel
- 5) Wang Shu (Chinese delegation), perspectives of China
- 6) Isamu Yasuda (Tokyo Gas Co), hydrogen economy

Housekeeping:

Shuichi Ashina (NIES)

Day2: (14th Feb, 2008)

Key-note speech:

Masayuki Sasanouchi, Project General Manager, Environmental Affairs Div. Toyota Motor Corporation

Lead speech (alphabetical order):

- 1) Jae Edmonds (PNNL, USA), cost of LCSs and technology
- 2) Yoshifumi Fujii (Bunkyo Univ), Eco-modernization (14th only)
- 3) Guido Knoche (Federal Environment Agency, Germany)
- 4) Keisuke Matsushashi (NIES), Lifestyle in transportation sector
- 5) Haruki Tsuchiya (System-ken), induced technology innovation
- 6) Hannah Ryder (Stern Team, UK) (14th only)

Housekeeping:

Sachiko Tsukahara (MOEJ)