

# Contents

## 1. Overview of Sustainability Weeks 2008

1.1	Features of this year.....	2
1.2	President's message.....	4
1.3	About Sustainability Weeks 2008.....	5
1.4	Program pamphlet.....	7
1.5	Background of Sustainability Weeks 2008.....	13

## 2. Abstracts and Programs of the Symposium

Sustainability Weeks 2008 -G8 Summit Round.....		16
(The numbers in the parentheses [ ] below are the page numbers in the abstract.)		

2.1	Foreword.....	[1]
2.2	Overview of Sustainability Weeks 2008 - G8 Summit Round.....	[2]
2.3	Calendar and Index I (SW2008-G8 Summit Round).....	[4]
2.4	Calendar and Index II (Sustainability Marathon).....	[6]
2.5	Programs, Profiles and Abstracts	
2.5.1	Opening Symposium:	
	Toward a Sustainable Low Carbon Society (June 23).....	[8]
	- Program.....	[11]
	- Chairperson, Speakers, Moderators, and Commentators.....	[13]
2.5.2	Drastic Change in the Earth System during Global Warming (June 24).....	[25]
	- Program.....	[27]
	- Speakers and Moderators.....	[29]
2.5.3	International Symposium:	
	How to make Sustainable Low Carbon Society –Synergy of Social and Engineering System– (June 24).....	[37]
	- Program.....	[39]
	- Speakers, Panelists, and a Chairperson.....	[41]
2.6	Poster Abstracts: Researches for Sustainable Society (June 23-25).....	[47]

## 2.7 Programs

2.7.1 Symposia, Workshops and Other Events (June 24-July 11) .....	[63]
(1) 2008 International Workshop on Multi-Media Signal Processing .....	[65]
(2) Environmental Monitoring for Conservation of Ecosystems .....	[66]
(3) Dynamics and Pathways of Land Systems Change .....	[67]
(4) Global Warming – Message from Scientists .....	[68]
(5) Northeast Asia in the Cold War: New Evidence and Perspectives .....	[69]
(6) Neo-Science of Natural History: Origin & Evolution of Natural Diversity .....	[70]
(7) Science Café Events “Outreach for the Most Recent Information on Global Warming” .....	[71]
(8) Sustainability Sciences for Protecting Aquatic Ecosystem and Marine Food.....	[72]
(9) Fuel Cell Experiments –Environment-Friendly Energy– .....	[73]
(10) Taxonomy Returns! -For the Better Understanding of our Mother Nature- .....	[74]
(11) The Present and Future of Ainu Studies, Part I .....	[75]
(12) School Education for Establishing Sustainable Society in Hokkaido ..	[76]
(13) Toward Stronger Ties between Agricultural and Medical Sciences .....	[77]
(14) International Conference on Sustainable Agriculture and Environment .....	[78]
(15) Environment and Health: Human Life in Changing Global Environments .....	[79]
(16) Symposium on Sustainable Management for Culture and Communities .....	[80]
(17) Let’s talk about “Health of the Earth and People” .....	[81]
(18) International Symposium: Sentinel Earth, Detection of Environmental Change.....	[82]
(19) International Symposium on Sanitation in Hokkaido University .....	[84]
(20) Catalysis Leading to a Sustainable Society .....	[85]
(21) International Symposium “Peace, Reconciliation and Civil Society: Toward a Sustainable Peace in East Asia and Europe”.....	[86]
(22) Sustainable Should Be Female Scientists’ Career! Environments for Gender Equality and Work-Life Balance in Science .....	[87]
(23) Beyond the Double Helix .....	[88]
(24) Sustainability Weeks 2008 Closing Symposium .....	[89]

(25) Museum Exhibit “Knowledge of University for All the People!” .....	[90]
(26) Museum Exhibit “Environment and Resource of Lake Toya and Usu Volcano Area” ....	[91]
(27) Photo Summit “Planet Aqua” Photographic Exhibition .....	[92]
(28) Efforts on Energy Service Company and Garbage Reduction in Hokkaido University .....	[92]
(29) Citizens Media Center Sapporo.....	[93]
(30) International Student Summit “UNI.SUMMIT2008” .....	[94]
(31) Team Sapporo Omotenashi.....	[94]
(32) Sustainable Society and Hokkaido: The Changing Environment and People’s Lives.....	[95]
(33) Radio program: “Creating a Sustainable Society” .....	[96]
2.7.2 Symposia, Workshops in Fiscal Year 2008, May-June .....	[97]
(1) Being Indigenous and Woman: Gender History for Self-Reliance and Borderless Development .....	[99]
(2) Neighbors must share the Environment that links them: Dialogue with the Youth Delegation from Russia .....	[100]
(3) Science Café Events: The Bio-diversity and Sapporo Maruyama Zoo .....	[101]
(4) University-led Ventures Business Hokkaido Forum .....	[102]
(5) JST Presto Symposium on Mathematical Sciences towards Environmental Problems.....	[103]
(6) Environmental Forum in Lake Toya .....	[104]
(7) Human Dimensions of Invasive Alien Species Issues .....	[105]
(8) International Symposium on “Nanotoxicology Assessment and Biomedical, Environmental Application of Fine Particles and Nanotubes” (ISNT2008) and Marine Food .....	[106]
(9) Changing polar regions – research frontier and its education–.....	[107]
(10) Hokkaido and Far-east Russia Environment Forum for Sustainable Development .....	[108]
(11) Environmental Leadership Initiatives for Asian Sustainability (ELIAS).....	[109]

### 3. Report of the Symposium

3.1 Digest report of Sustainability Weeks 2008 - G8 Summit Round ..... 120

**4. Websites of the Events and Activities**

4.1 List of events and activities in Sustainability Weeks 2008 .....127

4.2 Sustainability Weeks 2008 Opening Symposium  
“Toward a Sustainable Low Carbon Society” .....144

4.4 How to make Sustainable Low Carbon Society  
–Synergy of Social and Engineering System– .....147

4.5 Hokkaido and Far-east Russia Environment Forum for Sustainable  
Development .....150

4.6 Environmental Leadership Initiative for Asian Sustainability (ELIAS).....151

4.7 Special Lecture by UN Secretary-General Ban Ki-Moon.....152