

**Activity Report 2007-2008 of
the ARCASIA Committee on
“Green & Sustainable Architecture (ACGSA)”
and**

**Draft List of Agenda to be dealt with during
the Next Term 2008-2009**

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17 October, 2008

Prof. Kazuo Iwamura

Chair,

The ARCASIA Committee on

Green & Sustainable Architecture

Activity Report of the ARCASIA Committee on “Green & Sustainable Architecture” 2007-2008

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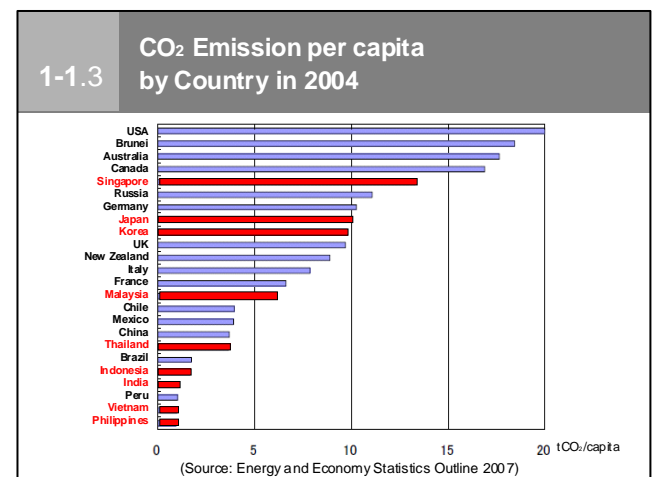
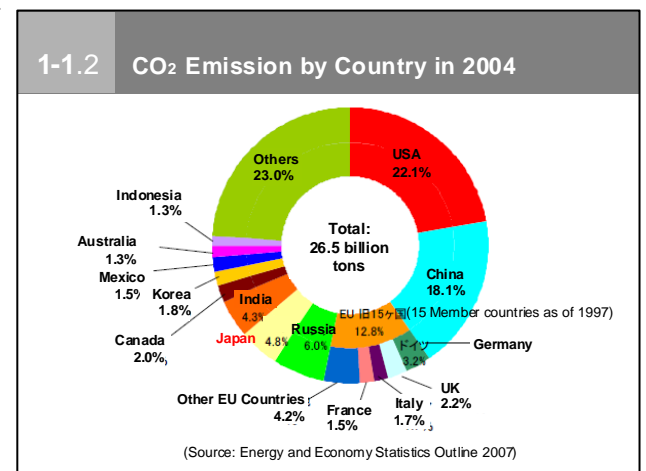
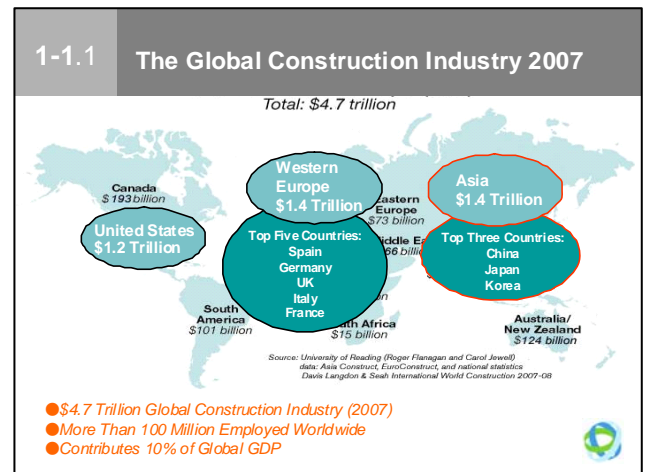
Director, UIA Work Programme: Architecture for a Sustainable Future

1. Summary

1-1. The ARCASIA Committee on Green and Sustainable Architecture (ACGSA)

We acknowledge that sustainability presents great challenges for our profession. But it also presents us with opportunities to play a dynamic and constructive role in the future development of our own societies. Indeed, we find ourselves living and working at one of those critical times in the history of the world where the future of the human enterprise is being decided. These are critical times. Our role as architects helping society to secure its future may well be decisive. In a world that is already straining its life supporting capacities to the limit, how we shape and organise space in support of sustainable living lies at the very heart of well-being and even our survival.

The recent critical and world-wide disasters supposedly caused by the climate change (i.e. global warming) claim that whatever measures to reduce CO₂ emission are required in all the activities of industrial sectors and our life style. Especially, the building industry is very much responsible to this due to its high percentage of a total country's CO₂ emission (e.g. ca. 40% in Japan). The Kyoto Protocol of COP3 (1997) was a product of arising international concerns at the end of 20th century. However, this protocol was signed by only a limited number of industrialised countries around the world and its target itself is supposed to be hardly achieved by the countries involved.



Considering the above circumstances, ARCASIA decided in 2005 to deal with the issue within its region, where the construction industry output has been largely increased recently and is expected to expand in coming years associated with the economic growth. This is a basic assignment of architects through close collaborations with related experts and organizations, and therefore, ARCASIA established the Committee on Green & Sustainable Architecture (ACGSA).

1-2. The UIA Work Program “Architecture for a Sustainable Future”

Prior to the above, more than a decade has passed since “the Declaration of Interdependence for a Sustainable Future” was launched at the UIA/AIA World Congress of Architects in Chicago, right a year after the Earth Summit in Rio de Janeiro. Accordingly, architects are already making important contributions to the resolution of these great issues. The purpose of our UIA Working Programme is to help with this process and to ensure that architects have the capacity and are provided with the opportunity to grasp and fulfil their rightful role, in cooperation with the relevant stakeholders, including clients and users.

The initial Work Programme consisted of architects with expertise and practical experience of sustainability issues from all over the world. Just as important, however, is their willingness to make all of this available to their fellow professionals. While we start with a group of those who have already volunteered we will be actively recruiting new contributions as the work progressed. Right at the outset we invited you ask yourselves how you too might add and integrate your contribution to our work.

1-3. Collaboration with related international organizations

Since the 1990s, a great number of organizations have been established within the community of built environment, and frequency of the related events has been enormously increasing. These trends reveal that such issue became one of the most critical agendas to be dealt with by our profession.

However, time and space are limited. It is strongly advised to exchange information and experiences through effective collaborations with solid and active organizations, including,

- 1) International Union of Architects (UIA) in the first place,
- 2) Other regional union of architects such as ACE, ACCEE, AUA, FPAA, etc.,
- 3) World Green Building Council (WorldGBC),
- 4) Passive & Low Energy Architecture (PLEA) and others

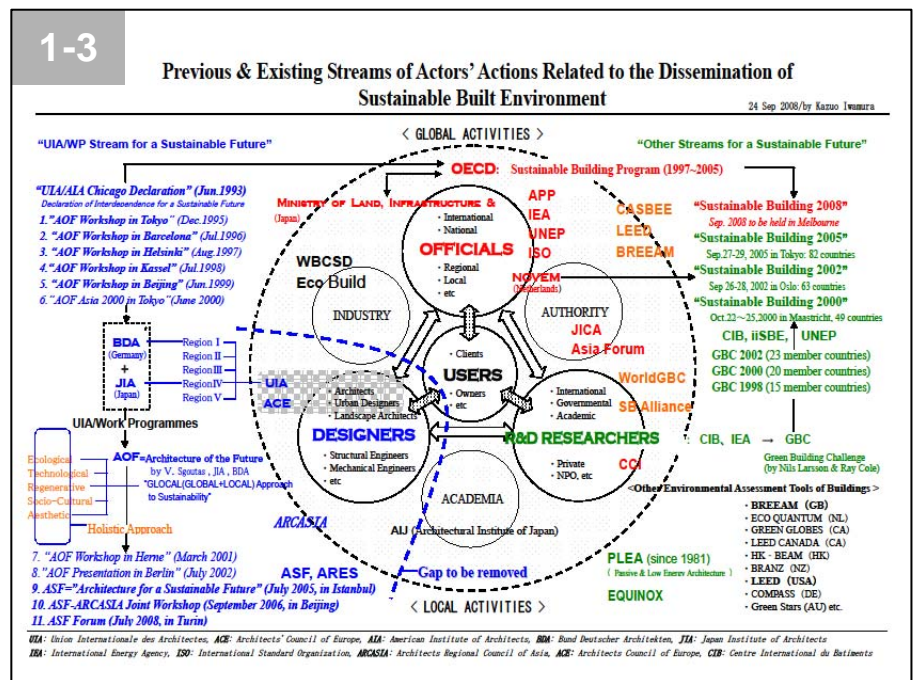


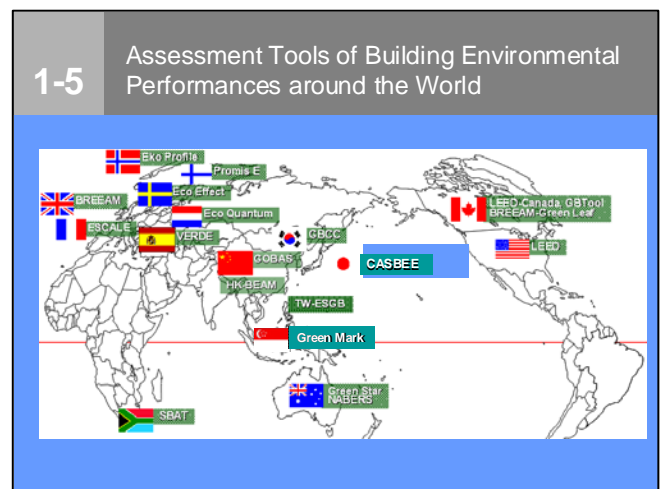
Table 1. Membership of ARCASIA / UIA Region IV / WorldGBC

	Country	ARCASIA	UIA Region IV	WorldGBC
01	India	● IIA	● IIA	● India GBC
02	Pakistan	● PIA	● PIA	
03	Bangladesh	● IAB	● IAB	
04	Sri Lanka	● SLIA	● SLIA	
05	Thailand	● ASA	● ASA	△ Thai GBC
06	Vietnam	● VAA	● VAA	○ Vietnam GBC
07	Malaysia	● PAM	● PAM	△ Malaysia GBC
08	Singapore	● SIA	● SIA	△ Singapore GBC
09	Indonesia	● IAI	● IAI	
10	Philippines	● UAP	● UAP	△ Philippines GBC
11	Hong Kong	● HKIA	● HKIA	△ Hong Kong GBC
12	Macau	● AAM	● AAM	
13	China	● ASC	● ASC	○ China GBC
14	Mongolia	● UMA	● UMA	
15	Nepal	● SONA		
16	Korea	● KIRA	● FIKA	△ Korea GBC
17	Japan	● JIA	● JIA	● Japan GBC
18	Australia		● RAI	● GBC Australia
19	New Zealand		● NZIA	● New Zealand GBC
20	Taiwan			● Taiwan GBC
21	North Korea		● KAU	

●: current member ○: in preparation △: interested



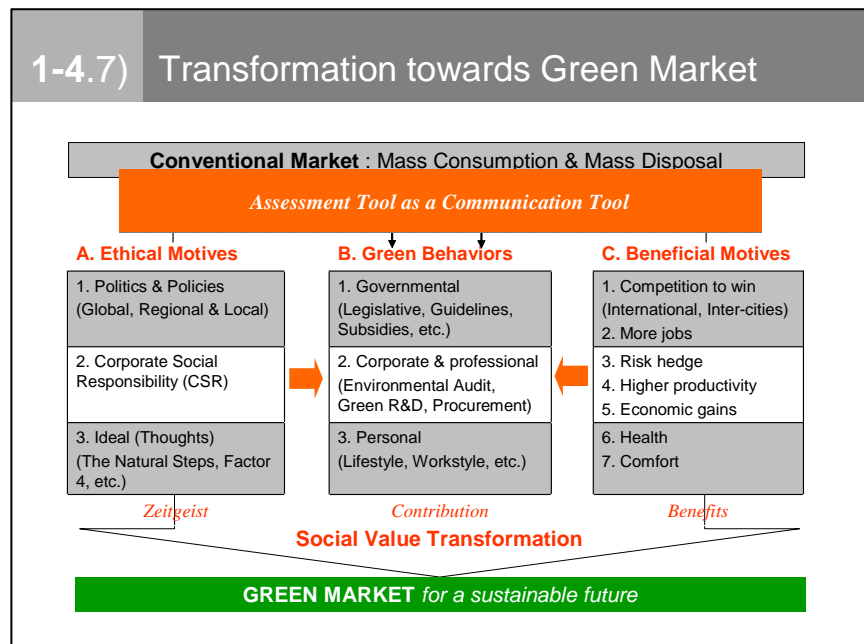
Website of the World Green Building Council



Current Building Environmental Assessment Systems around the world

1-4. Seven objectives of the ACGSA activities are to;

- 1) elaborate and deliver ARCASIA Guidelines for “Green & Sustainable Architecture” to be customized to the Asian characteristics and reality, and using this as a basic framework,
- 2) assist the architectural profession within the region and elsewhere to contribute effectively to the challenge of sustainability at the local and regional scale,
- 3) facilitate access to information and continuing professional development on Green & Sustainable Architecture in the region and world-wide as well,
- 4) make the expertise of the architectural profession available to governments and the international community through the regional blocks such as SAARC, ASEAN, APEC and other intergovernmental organisations,
- 5) provide information and advice on sustainability issues to the other elements of the ARCASIA,
- 6) liaise with other non-governmental organisations locally, regionally and globally, and finally
- 7) propel the Market Transformation towards the Green & Sustainable Architecture as business as usual in the region.



It can be seen that in each case we have set ourselves practical challenges of tasks to be done within a time framework that is already established by other events. There are certain tasks to be completed by the time of the next UIA Congress and Assembly in Turin in June-July, 2008, the 2008 World Sustainable Building Conference in Melbourne (SB08Melbourne) in September 2008, and ARCASIA events in October 2008 in Busan.

1-5. Publishing a series of the books “Asian Breezes towards sustainable architectures”

While we concentrate on delivering relevant information and services to the architectural profession within the region, we also endeavour to keep a rolling three to five year program as the context for our activities. Our first book, entitled “asian breezes towards sustainable architectures (2005)”, was an outcome of those prior



efforts of the UIA Work Program ASF, focusing on then emerging architectural practices within the Asian context, where various new breezes were beginning to prevail towards green & sustainable architectures.

Such documentation activity will be followed by up-coming issues of “asian breezes” covering the latest efforts of related practices in the regions including Asia and Oceania.

1-6. UIA/ACGSA-Workshop to be held in the Region

During the last decade, a great number of conferences and workshops were held to discuss about Architecture for a Sustainable Future world-wide. This trend will be further accelerated in up-coming years mainly due to the recent natural disasters related to the climate change (i.e. global warming) that enhanced keen interests within the stakeholders of governments, academia and industry. Given this, UIA/ACGSA will extend its activities towards collaborations with other organizations representing not only architects but also planners, researchers, engineers, officials, industrial experts and the others. At least one ACGSA Workshop will be jointly held in Asia or in Oceania with ASF, World Green Building Council (WGBC) and/or others before the ARCASIA Congress will be held in 2009.

2. List of the related events during 2007-2008, attended by Iwamura

01. Feb.10-12, 2007 in Turin, Italy: UIA
WP Directors Meeting & UIA Council Meeting
02. Mar.26-28, 2007 in Beijing, China: Architectural Society of China
International Conference on Intelligent Green and Energy
03. April 2, 2007 in Paris, France: ISO/TC59
International Workshop on Building Environmental Assessment Tools
04. May 11, 2007 in Melbourne, Australia: SB08
Kick-off Workshop for SB08
05. Jun.27-29, 2007 in Seoul, Korea: UNEP/iiSBE/CIB
Regional Sustainable Building Conference 2007 (SB07)
06. Jul.7-9 in Kuala Lumpur, Malaysia: UIA/PAM
UIA Regional Forum
07. July 9-10, 2007 in Toronto, Canada: WorldGBC
Annual Board Meeting & Forum
08. July 16-17, 2007 in Annecy, France: Somfy International Workshop
Green & Living Façade
09. August 28, 2007 in Fukuoka, Japan: International pre-event of AIJ Convention
Creation of Sustainable Architecture in Asia
10. Sep.6-7, 2007 in Vancouver, Canada: University of British Columbia/LEED Canada
International Workshop on Market Transformation of Sustainable Building

- 11. Sep.14-16, 2007 in Colombo, Sri Lanka: ARCASIA
ARCASIA Forum**
12. Oct. 4, 2007 in Taipei, Taiwan: ISGBC2007
New Stage of GSA
- 13. Oct. 9-11, 2007 in Xian, China: UIA Council Meeting**
- 14. Oct. 17-20, 2007 in Tokyo, Japan: JIA 20th Anniversary Convention
The Century of Environment & Architects**
15. Oct. 31, 2007 in Sendai, Japan: The 6th International Conference on Indoor Air Quality
Sustainable Built Environment – Integrated Building Design
16. Nov.5-7, 2007 in Kuala Lumpur, Malaysia: UNEP/iiSBE/CIB
Regional Sustainable Building Conference 2007 (SB07)
- 17. Nov.22-24, 2007 in Singapore: PLEA/National University of Singapore
PLEA (Passive and Low Energy Architecture) Congress**
18. Jan.18, 2008 in Penang, Malaysia: PAM
International Workshop on Green Design
- 19. Feb.15, 2008 in Durban, South Africa: South African Institute of Architects, AUA
COROBRIK Mini Conference**
- 20. Feb.17-18 in Durban, South Africa: UIA Council Meeting**
21. Mar.14, Ho Chi Ming City, Viet Num: FAF08 by FuturArc
22. Mar.28, Sydney, Australia: FAF08 by FuturArc
23. May 3, Bangkok, Thailand: ASA International Forum
24. May 5-7, Shanghai, China: Holcim Awards 2008/2009 Jury Meeting
- 25. June 29-July 3, 2008 in Turin, Italy: UIA Congress
WP of ASF**
- 26. Sep. 21-24, 2008 in Melbourne, Australia: SB08
Market Transformation, Education**
- 27. Oct.22-24, 2008 in Dublin, Ireland: PLEA2008
Towards Zero Energy Building**
- 28. Oct.28-30 2008 in Bussan, Korea: ARCASIA events**

3. Draft list of ARCASIA CGSA agenda to be dealt with in 2008-2009

3-1. Constitution of the Committee on Green & Sustainable Architecture

- 1) Advisory members to be selected
- 2) Active members according to the Zone A, B and C, represented by a deputy member respectively
- 3) Bylaw of the ACGSA to be prepared and delivered (Goals, Terms of office, etc.)

3-2. Up-dating the ACGSA Data-base

3-3. Elaboration and delivery of the ARCASIA Guidelines for Green & Sustainable Architecture

3-4. Establishment of an alliance with related global organizations including;

- 1) International Union of Architects (UIA),
Work Program of "Architecture for a Sustainable Future (ASF) Region IV"
- 2) World Green Building Council (WGBC)
- 3) Passive & Low Energy Architecture (PLEA),
- 4) BCI Asia & FuturArc
- 5) Holcim Foundation for Sustainable Building, etc.

3-5. Preparation & execution of a GSA workshop to be held in Zone C by the end of March 2009

3-6. Construction of the ACGSA Home Page to be viewed on the ARCASIA website

3-7. Editing & circulating ACGSA News Letter to be attached to the above

3-8. Publishing "asian breezes 2" to be sponsored