

**Arcasia Committee on Green & Sustainable Architecture (ACGSA)
Minutes of 01st Meeting held at Furama Resort, Danang, Vietnam on
Wednesday, 17 August 2011, at 1.30pm**

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| Present | Abu Hena Zia Uddin (IAB) Assasi, Sinhail (IAP) Dewan Shamsul (IAB) In-Souk Cho (KIRA) Le Tring Binh (AAV) Russell Dahdexliya (SILA) Samar Ali Khan (IAP) Tan Loke Mun (PAM) Vijay Garg (IIA) | Ashvinkumar (SIA) Atch Sreshthaputra (ASA) Hoaug Huu Phe (AAV) Kazuo Iwamura (JIA) Michael T. Ang (UAP) S.M. Jahangir Khan (IAP) Seongho Chun (KIRA) Theodore Chan (SIA) |
|----------------|--|---|

| Issues Discussed | Action By |
|--|------------------|
| 1.0 General | |
| 1.1.1 The meeting noted that all country reports are posted on the ARCASIA website hosted by KIRA. | For info |
| 1.1.2 The meeting agreed that Mr Cheong Yew Kee (SIA) will be the Deputy Chairperson of ACGSA, to ensure smoother co-ordination with ACGSA Chairperson, Mr Ashvinkumar (SIA). | For info |
| 1.1.3 The meeting agreed that the following members will represent the respective zones and liaise with Zone Vice-Chairmen as and when required: <ul style="list-style-type: none"> a) Zone A – Vijay Garg (IAB) b) Zone B – Ashvinkumar (SIA) c) Zone C– Chun Seongho (KIRA) | For info |
| 1.1.4 The meeting acknowledged and thank JIA's Kazuo Iwamura for laying the strong foundation in ACGSA. | For info |
| 2.0 Agenda | |
| The agenda, (<i>Appendix A</i>) was issued to all via ARCASIA website hosted by KIRA. | |
| 2.1.1 Singapore Roundtable (SR) | |
| ASA/PAM/SIA initiated the idea of a Roundtable discussion some 3 years ago at a Tri-Nation Meeting in Bangkok, 2009. | For info |

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| <p>The main objective was to share common information on Green & Sustainable Architecture and learn from one another as all 3 institutes were geographically located in the tropics and shared similar environment challenges.</p> <p>SIA took the lead in hosting the Roundtable, hence called Singapore Roundtable, for the first 3 years commencing 2009. Thereafter, the Roundtable Chair will be rotated amongst the various participating institutes.</p> | For info |
| <p>Over the past 2 years, the Singapore Roundtable has grown to include participation from regional Green Building Councils.</p> | |
| <p>The 3rd Singapore Roundtable shall be held in Singapore per <i>Appendix B</i>.</p> | |
| <p>UAP has agreed to takeover the Roundtable discussion, which shall be now called ARCASIA Roundtable with effect from 2012.</p> | UAP |
| <p>The meeting thank UAP for taking this lead and the meeting also requested for UAP to advise on the programme for 2012.</p> | |
| <p>2.1.2 The meeting agreed that the ACGSA Chair shall tabulate by end September 2011 the results of the UIA's Sustainability by Design Survey report recently issued.</p> | SIA |
| <p>ACGSA Chair requested for ARCASIA countries who have not responded to the above survey to do so by 15 September 2011.</p> | |
| <p>The tabulation is an important milestone and step forward in the journey ahead to share and exchange information.</p> | All to note |
| <p>2.1.3 ACGSA Chair advised that he will liaise with KIRA to host the ACGSA website. This website is envisaged to be open to all ARCASIA members as the intention is to post ACGSA deliberations and followup work for ease of reference and sharing. ACGSA will update all members once the above is implemented.</p> | SIA / KIRA |
| <p>2.1.4 The meeting discussed and agreed that a joint workshop amongst ACAE, ACGSA and ACPP is a good annual platform, during either the Congress or Forum, to conduct a workshop to deliberate and explore the common issues within ARCASIA. Each session should focus on one topic or subject related to climate and / or built environment.</p> | For info |

Topics brainstormed are:

- i) Energy
- ii) Water
- iii) Public Transport
- iv) Innovation
- v) Indoor Environment Quality
- vi) Social Sustainability

ACGSA Chair will raise the above in the summary report during the conclusion of the ongoing ARCASIA Council Meeting.

SIA

3.0 Any Other Business

3.1.1 JIA's Kazuo Iwamura requested all present to make an effort to attend the 2011 UIA Congress in Tokyo. In particular, to attend a joint UIA Work Programme, captioned "Beyond Disasters, through Solidarity, towards Sustainability" to be held on **26 September 2011** in Hall D5, Tokyo International Forum from 11.30am to 2.00pm. Please refer to *Appendix C* for more details.

All to note

3.1.2 The meeting discussed and agreed in the recommendation of SUSTAINABLE Awards, separate from the Arcasia Awards, based on climatic zonings. The format can remain the same as Arcasia Awards but special recognition to efforts in Sustainability.

For info

3.1.3 The meeting agreed that **1st September 2011** is the final deadline for posting of information to SIA for the ARCASIA booth at UIA 2011 Congress in Tokyo.

All to note

3.1.4 The meeting noted that SUSTAINABILITY and BIM are inter-twined issues and that this requires more research and deliberation in order to address how best to co-relate the 2 issues to yield maximum value-add.

Prepared by:
Ashvinkumar
Chairperson, ACGSA



Meeting on Wednesday 17 August 2011, 10:15am at Da Nang Vietnam

AGENDA

1. Singapore Roundtable will be held on 13 September 2011 (Tuesday),
5.30pm – 6.30pm in Suntec Convention Hall
2. Sustainability by Design Survey for UIA
3. Dissemination of information through e-Newsletter
4. Collaboration with ACAE & ACPP
5. Any Other Business

Our Ref: Sustainability/2011-12/006/gn
18 August 2011

Dear ACGSA Member,

3RD SINGAPORE ROUNDTABLE
A SIA-SGBC LED INITIATIVE FOR DISCOURSE ON SUSTAINABLE APPROACH TO DESIGN AND CONSTRUCTION

The Singapore Institute of Architects (SIA) and the Singapore Green Building Council (SGBC) will jointly host the **3rd Singapore Roundtable on Sustainable Approach to Design and Construction** on **Tuesday 13 September 2011 in Room 209, Suntec Singapore International Convention & Exhibition Centre, from 5.30pm to 6.30pm**. On behalf of SIA and SGBC, we are pleased to invite your organisation to send a delegation to participate in the 3rd Singapore Roundtable.

Both the SIA and the SGBC believe that the Institutes of Architects and the Green Building Organizations in Asia share many commonalities in sustainable and green architecture, as well as the same belief that it is timely to come together to deliberate, debate and contribute towards addressing the increasing concern for global warming and climate change on sustainability. Global warming, climatic change and sustainability are pressing issues confronting all countries worldwide and this will bring about new views and fundamental rethinking about live, work and play, hence, the proposition for the formation of the Roundtable.

The agenda for this meeting is as follows:

1. Minutes of the 2nd Roundtable meeting held on 15 September 2010
2. Matters arising from previous minutes
3. Revisit / Discuss the MOU and Signing of the MOU
4. Discussion on Strategies and Action Plans
5. Any other business

It would be our privilege to welcome you and your delegates to the Roundtable and we look forward to hearing from you soon. We would appreciate an early reply preferably by **26 August 2011** so as to facilitate planning for the event.

Yours sincerely



Ashvinkumar
President 51st Council 2011/2012
Singapore Institute of Architects



Tai Lee Siang
President
Singapore Green Building Council



Excellence in
Architecture
and the Built
Environment

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UIA Work Programme
 “Architecture for a Sustainable Future (ASF) Region IV” &
 “Urban Settlements and Disasters (USD)”
Provisional programme of the joint session
at the UIA2011TOKYO
 (as of August 15th, 2011)

- Date: September 26th, 2011
- Time: 11:30AM~14:00PM (Right after the Opening Ceremony)
- Venue: Tokyo International Forum, Hall D5 (Capacity: 200 seats)
- Languages: English and Japanese
- Conveners: Kazuo IWAMURA (UIA Vice-President Region IV, Director of ASF R-IV)
 Balbir VERMA (UIA Councilor Region IV, Director of USD)

1. Modification of the Congress Theme and contents

Due to the March 11 Earthquake and the aftermath that seriously affected the north eastern Japan, the main theme of the UIA Congress has been modified to coping with the pressing issues of disasters. We should contribute to recovery and preparedness through our solidarity towards the true environmental, social, and economic sustainability. This thematic shift should be explicitly expressed to the public, keeping “Design 2050” as the primary theme of the Congress for the consistency though.

Accordingly, the primary theme is now associated with the secondary themes;

Beyond Disasters, through Solidarity, towards Sustainability

Theme Sessions and the UIA Work Programme Sessions during the Congress shall be redeveloped to follow this thematic modification.

As repeatedly reported, our Region IV has been quite often seriously damaged by a variety of natural disasters, including earthquakes, tsunamis, typhoons, cyclones, floods, landslides, draughts and fires. Under such circumstances, we architects should obviously contribute to “the human security” through providing people with relevant built environment, which must be a core issue of the sustainable design.

Therefore, the UIA Work Programme “Architecture for a Sustainable Future Region IV” and “Urban Settlements and Disasters” will jointly convene a session right after the Opening Ceremony in order to highlight those pressing issues to create a sincere and unprecedented opportunity to discuss about the diverse and positive initiatives beyond the disasters in the future.

The session theme and the programme are as follows;

2. Theme:

Architecture for Human Security
 beyond Disasters, through Solidarity, towards Sustainability
 in Region IV



3. Provisional Programme of the Session:

- 11:30 1) Introduction by Kazuo IWAMURA & Balbir VERMA
- 11:40 2) Thematic presentations-1: What happened in Region IV?
 Devastating disaster cases in Region IV are to be shortly presented in terms of the facts since 1990. Those include Zanzan (1990), Bangladesh (1991), Gujarat (2001), Sumatra (2004), Kashmir (2005), Myanmar (2005), Sichuan (2008), Pakistan (2010), Eastern Japan (2011) and many others.
Related Q&A is included (ca. 10m.)
- 12:00 3) Thematic presentations-2: What could architects do?
 3-1. Case 1: India (10m.)
 3-2. Case 2: Pakistan (10m.)
 3-3. Case 3: China (10m.)
 3-4. Case 4: New Zealand (10m.)
 3-5. Case 5: Japan (10m.)
Relevant speakers will be nominated by member sections and selected by the convener.
- 12:50 <Coffee + Snack Break>
- 13:10 4) Round Table Session: Free discussion moderated by the convener
Architecture for a Sustainable Future, beyond Disasters and through Solidarity
This session highlights sustainable initiatives including region-specific solutions as well as globally common the state-of-the-art methods such as ICT networking.
- 13:50 5) Wrapping-up by a senior member of the WP
- 14:00 6) Adjournment

4. Circulation:

- 1) "Sustainable by Design" by UIA member sections, compiled by Allan Rodger
- 2) Best practices of sustainable built-environment in Region IV since 2000 (CD-Rom):
This best practices database will be made in collaboration with each member section of Region IV, to be compiled in a CD-Rom by the convener as follows:
- Each member section will be requested to submit, by the end of July 2011, maximum 10 best practices of sustainable architecture (built-environment) built in the country since 2000.
 - Selection shall be left to each institute, and the database will be uploaded on the UIA2011Tokyo Website (www.uia2011tokyo.com).
 - The format for the submission will be given to every member section by the end of June 2011.

Call for
Best Practices of "Architecture for a Sustainable Future (ASF) Region IV"
2000-2011

UIA Work Programme ASF Region IV

At the occasion of the joint session of UIA WP ASF Region IV and Disaster of UIA2011TOKYO, to be held at 11:00-14:00 on September 26th 2011, a database of "Best Practices of Architecture for a Sustainable Future Region IV 2000-2011" in a CD-Rom will be distributed.

In order to compile the database, every national section of the Region IV is requested to submit the following information to the convener, Kazuo IWAMURA (iwamura@iwamura-at.com), no later than the end of July 2011.

1. Max. 10 best practices of "Architecture for a Sustainable Future (ASF)" executed in your country or region since 2000 shall be nominated by a national section.

2. Those best practices shall be sorted according to the four categories;

- 1) Architectural-1: New construction
- 2) Architectural-2: Retrofitting or conversion
- 3) Urban-1: New development
- 4) Urban-2: Urban renewal

3. All the nominated best practices shall be reviewed and compiled by the convener to include in the CD-Rom.

4. Every nominated best practice shall be presented in the DIN-A format, given in the next page, providing with the following data, using the Italic font of Arial in 9pt;

- 1) Name of the UIA National Section
- 2) Project Title
- 3) Location (City or Region)
- 4) Project Category: cf. 2.1)~4)
- 5) Owner and/or Developer (Client)
- 6) Name of the architect(s) or the firm(s) and the Contact(s) in charge of design
- 7) Date of Completion
- 8) Project Outline in Figures (Site Area, Total Floor Area, Number of Levels, FAR, etc.)
- 9) Description-1 (Concept and Objectives) / Description-2 (Distinctive Features)
- 10) Visual Figures-1 (Photos, 3D CAD, etc.) / Visual Figures-2 (Sketches, Drawings, etc.)
- 12) Results of Green Building Rating System
- 13) Awards

5. Please give back your answer whether you will contribute to making this database or not.

- Yes, we will.
 No, we won't.

Name of the UIA National Section: _____

Name of the contact person: _____ email: _____

Best Practices Nomination Form of
 "Architecture for a Sustainable Architecture Region IV" since 2000

| | | |
|---|-------------------------------------|---------------------|
| No. 01-01 | National Section: | Country: |
| Title: | | Location: |
| Category: | | Major Use: |
| Client: | | Date of Completion: |
| Architect(s): | | Contact: |
| Outline in Figures: | | |
| Accreditation: <i>Results of the Green Building Rating System, if any</i> | | |
| Awards: | | |
| Photos: | Drawings: | |
| | | |
| Description-1: Concept & Objectives | Description-2: Distinctive Features | |
| | | |

Name of the recorder:

, email:

**Best Practices Nomination Form of
"Architecture for a Sustainable Architecture Region IV" since 2000**

| | | | |
|---|--|---|-----------------------|
| No. 09-01 | | National Section: <i>Japan Institute of Architects</i> | Country: <i>Japan</i> |
| Title: <i>SOLAR SCHOOL (German School Kobe/European School)</i> | | Location: <i>City of Kobe</i> | |
| Category: <i>Architectural-1 (New Construction)</i> | | Major Use: <i>Education</i> | |
| Client: <i>Deutsche Schule Kobe/European School, Foundation</i> | | Date of Completion: <i>June 2009</i> | |
| Architect(s): <i>IWAMURA Atelier, Inc. (CEO: Kazuo IWAMURA)</i> | | Contact: iwamura@iwamura-at.com | |
| Outline in Figures: <i>Site Area (2,193m²), Total Floor Area (1,505m²), Number of Levels (2), FAR (69%)</i> | | | |
| Accreditation: ★★★★★ <i>According to CASBEE rating system (CASBEE-NC_2007/V2.1)</i> | | | |
| Award: <i>National Model Project of Comprehensive CO₂e Reduction, 2008 (Ministry of Land, Infrastructure, Transport and Tourism)</i> | | | |
| <p>Photos:</p>  <p><i>West Façade</i></p>  <p><i>Typical Classroom</i></p>  <p><i>2F Corridor</i></p> | | <p>Drawings:</p>  <p><i>Elevation</i></p>  <p><i>Section</i></p>  <p><i>1F Plan</i></p> | |
| <p>Description-1: Concept & Objectives</p> <p><i>Primary efforts were made to design and build here a new representative school as a leadership project of "Environmentally Symbiotic Architecture" taking maximum advantage of the solar benefits, namely "SOLAR SCHOOL".</i></p> <p><i>To attain this aim, thorough investigations about the site and its region were made to discover the characteristics before tailoring the design to meet the requirements.</i></p> <p><i>As a wooden architecture, the schoolhouse will provide a healthy environment with low environmental loads for children, bearers of our future.</i></p> <p><i>This must also contribute to the maturing process of the local culture and townscape of the designated area to become a social property of Kobe.</i></p> | | <p>Description-2: Distinctive Features</p> <p><u><i>1. Enhancing the user's health through the on-site solar benefits</i></u></p> <p><i>1-1. Discovering the best practice from the Pre-design</i></p> <p><i>1-2. Wooden schoolhouse, safe and healthy for all</i></p> <p><u><i>2. Effective reduction of Life Cycle CO₂ emission</i></u></p> <p><i>2-1. Carbon fixation using timber construction system</i></p> <p><i>2-2. PV solar roofing of 40kw, producing ca. 26,000kwh/a</i></p> <p><i>2-3. High thermal insulation of the building envelopes</i></p> <p><i>2-4. Mitigation of indoor thermal load through cool/warm tubes</i></p> <p><i>2-5. Day-lighting and natural ventilation through roof-top windows</i></p> <p><i>2-6. Diverse buffer zones between indoor and outdoor</i></p> <p><u><i>3. Other environmentally symbiotic solutions</i></u></p> <p><i>3-1. Consideration for town-scaping</i></p> <p><i>3-2. Post occupancy monitoring system and evaluation</i></p> | |

Name of the recorder: *Kazuo Iwamura*, email: iwamura@iwamura-at.com