Minutes of the ISCARSAH meeting in Istanbul, July 11 – 13, 2001
Report made by K. Van Balen

Proposed agenda:

Tuesday July 10:
Arrivals

Wednesday July 11:
9:00 – 11:00: planning activities, analysis of documents of the committee, state of the art
11:00 – 16:00: technical visit in small group
16:00 – 19:00: organisation of documents

Thursday July 12:
ISCARSAH internal meeting (beside the SAS2001 conference) on recommendations and annexes during the whole day;

Friday July 13:
Morning: technical visit to Church of Saints Sergius and Bachus, discussion on possible collaboration and study supporting research carried out by Prof. OZSEN, planning further activities
(Prof. G. Croci has to leave in the afternoon)
Other members continue making a synthetic report on the need for research and guidance on structural consolidation of the former Sergius and Bachus church.
(Participation to closing session of SAS2001)
Closure of ISCARSAH meeting

Saturday July 14
Free visits

Sunday July 15
Departure

Actual agenda and report

Tuesday July 10:
Arrivals

Wednesday July 11:
9:00 – 16:00: technical visit in two groups
16:00 – 19:00: organisation of documents and planning of report:
present: G. Croci, K. Van Balen, David Yeomans, Androniki Miltiadou, Yaacov Schaeffer, Nikos Charkiolakis, Juhani Pentinnikko, Ramiro Sofronie, Gorün Arun, Predrag Gavrilovic,
It was decided to concentrate the work and the activity report of the committees meeting on the following 4 parts:
Part 1: General approach and methodology for the analysis and diagnosis and repair of historic structures in Istanbul and similar area’s (earthquake prone regions, certain typologies, …).
Part 2: Structural problems and intervention criteria in brick and stone masonry buildings.
Part 3: Case study the Küçük AyaSofia Camesi and its emergency stabilization.
Part 4: ISCARSAH suggestion for training efforts towards engineers and contractors.

Later on while preparing the report, the 4 mentioned parts have been grouped to the results of the work of 2 subgroups, one on training and one on Adapted and local guidelines. All together a statement was developed on the Küçük AyaSofia Camesi Emergency Stabilization which corresponds with part 3.

Thursday July 12:
ISCARSAH internal meeting;
present: G. Croci (OM), David Yeomans (OM), Steve Kelley (OM), Kenichiro Hidaka (OM),
Yaacov Schaeffer (OM), Fritz Wenzel (M), Luigia Binda (AM), Androniki Miltiadou (M),
Nikos Charkiolakis (AM), Juhani Pentinmikko (M), Ramiro Sofronie (M), Gorün Arun (M),
K. Van Balen (OM) (rapporteur).

(OM): officer-member
(M): member
(AM): associate member

Board meeting:
Officers present: G. Croci (OM), David Yeomans (OM), Steve Kelley (OM), Kenichiro
Hidaka (OM), Yaacov Schaeffer (OM), Gorün Arun (OM), K. Van Balen (OM) (rapporteur).
Apologises: W. Schmidt (OM)
Observers: Fritz Wenzel (M), Luigia Binda (AM), Androniki Miltiadou (M), Nikos
Charkiolakis (AM), Juhani Pentimnikko (M), Ramiro Sofronie (M)

Management matters:
1. The president thanks Prof. G. ARUN for her help in organizing this meeting and congratulates her
with the success of the Symposium.
2. The Secretary-General is requested to check the list of the members and to ask all members to give
an E-mail address where they can be contacted. It has been decided that unless motivated
exception all communication from the secretariat should be carried out through E-mail. All
members will be asked to reconfirm their membership to the committee, which requires an active
participation to the activities of the committee. They are also requested to check with their
national ICOMOS committee their position as representative member of their country.
3. 3 persons (Homayoun Arbabian from IRAN, Pere Roca from Spain, Predrag Gavrilovic from
Macedonia) have submitted a request to become member of the committee. The meeting accepts
their candidature and request them to contact their national ICOMOS committee to be proposed as
member or associate member. The president states that as the national committee of Iran is not
functioning the associate membership of Homayoun Arbabian can be accepted as such. The 3 new
members are requested to send in a CV to the secretariat stressing their experience in the field
covered by the activities of ISCARSAH.
4. There has been an exchange of communication with Paulo Lourenco from Portugal to join to the
III Seminar on Historical Constructions in Guimaraes next November a meeting of the committee.
Recent exchanges of information have shown that no financial support will be available while the
location of the meeting place is rather difficult to reach at low budget. It is therefore suggested to
have the next meeting within the margin of the:
   UNESCO-ICOMOS International Congress
   “More than two thousand years in the history of architecture"
   (Paris 10-12 September 2001).
Information will be send around to the members within the shortest delay to inform them on the
modification of the planned working programme. The arguments for the change are the more easy
accessibility an low budget of Paris, the likeliness that more members will be present at that event.
The meeting was to be arranged on 8 and 9 September 2001, before the UNESCO Congress.
VERY important notice: Exchange of information between the President, the Secretary-General
and Arch. Schmuckle-Mollard after the ISCARSAH meeting has revealed that it will be very
difficult to arrange the meetings in the week-end before the congress, therefore the President has
decided to have the meeting on September 13, 14 and 15 in the morning. (The Secretary-General
will not be present on September 13 due to other obligations but this should not hinder to have
the meeting on those dates)
5. There a number of tentative proposals about the meetings after the Paris meeting. They will be
discussed in Paris as more information will be available. The President announces that he could
benefit from a grant of the National Research Council in Italy for a meeting that could take place
for example in Athens or Israel; Arch. Schmuckle Mollard informs that a meeting is being
prepared dealing with regulation, standardisation in November 2002 and one on reuse of religious
buildings in February 2003; in October 2002 there will be the General Assembly of Icomos in
Zimbabwe.
6. Predrag Gavrilovic (NAM), Pere Roca (NAM) are joining officially the meeting as new members
(see supra)
7. The president distributes a new version of the recommendations. It should be carefully read so that
at the meeting in Paris the document could be closed temporarily and be used to be referred to
when more precise recommendations related to certain regions or types of structures are to be
developed. Detailed comments of the members present at the meeting should be sent to the
President and the Secretary General.
8. Further see following Report of work carried out by the committee at the Istanbul meeting.

Friday July 13:
  Morning: technical visit to Church of Saints Sergius and Bachus, discussion on possible
  collaboration and study supporting research carried out by Prof. OZSEn, planning further
  activities
  (Prof. G. Croci has to leave in the afternoon)
  Other members continue making a synthetic report on the need for research and guidance on
  structural consolidation of Küçük AyaSofia Camesi and finish report preparation.
  (Participation to closing session of SAS2001)
  Closure of ISCARSAH meeting

Saturday July 14
  Free visits

Sunday July 15
  Departure
Part 1: General approach and methodology for the analysis and diagnosis and repair of historic structures in Istanbul and similar area’s (earthquake prone regions, certain typologies, …).
Part 2: Structural problems and intervention criteria in brick and stone masonry buildings.

Contributed: Christiane Schmuckle-Mollard, Nikolas Charkiolakis, Predrag Gavrilovic, Pere Roca, Androniki Miliadou-Fezans, Kenichiro Hidaka, Gorün Arun, Giorgio Croci, Stephen Kelley (rapporteur)

(to be completed with information from S. Kelley, will be send later)
Part 3: Case study the Küçük AyaSofia Camesi and its emergency stabilization.

To whom it may concern,

We the undersigned members of the ISCARSAH Committee visited the Küçük AyaSofia Camesi in Istanbul, Turkey on 13 July 2001 and made a cursory examination of the condition of the structure.

The existing vertical cracks on the northeast and southeast corners through the dome as evidenced on the interior plaster surfaces have increased in width since the earthquake of 1999. This suggests that cracks through the masonry behind may have also increased. Therefore there is a danger of partial collapse, especially during future seismic activities. Other damages may exist that are not easily discernible that also contribute to this safety concern.

Therefore some temporary restraint needs to be provided as a matter of urgency. This would entail temporary tension devices be installed on the exterior of the structure beneath the dome; and scaffolding provided on the interior to protect visitors, perform close up inspections, and shore areas of the dome as necessary to prevent partial collapse.

However there is insufficient information at present to design any permanent strengthening measures. We recommend that no further work be undertaken until full examination of the structure has been carried out to enable these measures to be properly designed.

It is also the view of the Committee that the present condition of this significant structure suggests that it to be placed on the ICOMOS list of Heritage at Risk.

Sincerely,

Nikolas Charkiolakis (Greece)
Giorgio Croci (Italy)
Predrag Gavrilović (Macedonia)
Kenichiro Hidaka (Japan)
Stephen J. Kelley (USA)
Androniki Miltiadou-Fezans (Greece)
Juhani Pentinmekko (Finland)
Ya’acov Schaffer (Israel)
Christian Schmuckle-Mollard (France)
Ramiro Sofronie (Romania)
Koenraad van Balen (Belgium)
David Yeomans (UK)
Part 4: ISCARSAH suggestion for training efforts towards engineers and contractors.

Contributed: Görün Arun, Juhani Pentimekko, Ya’acov Schaffer, Ramiro Sofronie, Fritz Wenzel, David Yeomans, Koenraad Van Balen (rapporteur)

A group of International experts on Analysis and Restoration of Structures of Architectural Heritage have visited various sites of the architectural heritage during their meeting in Istanbul from July 11 till July 13, 2001. After those visits and the discussions held during the meeting, the experts of ISCARSAH recommend:

Considered that a problem that is evidenced at various places worldwide on a proper approach of the analysis and restoration of structures of architectural heritage;
Taking into account the Principles and Recommendations the ISCARSAH committee has developed and is developing since a few years on the Analysis and conservation and structural restoration of the architectural heritage;
Considering the efforts professionals and authorities are devoting to conserve the heritage in Istanbul;
Considering the need for more precise guidelines on the best practice for structural restoration of historic buildings;
The experts gathered advice that training activities should be set-up to accelerate the transfer of the international available knowledge on this topic with the aim to:

- Over-bridge the existing gap between the field of architectural heritage and engineering knowledge, training and practices;
- Over-bridge the gap between appropriate knowledge on structural engineering in historic structures and the existing practice based on appropriate and adapted technologies and contracting works;
- To prepare the engineers, contractors and professionals to use more adapted intervention and remedial measures in case of the event of an earthquake;
- To bring the structural repair approach to the field of application, to promote insight and to promote engineers to take up their responsibility in the safeguard of the heritage.

A first course could be set-up and given in Turkish having an adapted level of understanding. Such a course could include the following items:

1. Theory of Conservation (2*4h)
   - Understanding of values of historic buildings and the layered concept of authenticity;
   - History of Conservation;
   - Charters of conservation;
   - Legislation an international and national level.

2. Building Technology (6*4h)
   - Materials used in history and construction techniques;
   - Binders, masonry with and without mortar;
   - Timber
   - Vaults, arches, cupolas
   - (Traditional and modern) Statical systems and structural understanding.

3. Research and Analysis (4*4h)
   - Survey and documentation techniques;
   - Modeling of structures
   - Maintenance monitoring and interventions;
   - Investigation and analytical techniques.

4. Case studies (8*4h)
   - International examples including wrong and good examples;
   - Global approach and management of restoration and conservation projects.
Istanbul, July 13, 2001
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