

Comité scientifique international pour la pierre

International Scientific Committee for Stone

Minutes of the 10<sup>th</sup> meeting held in Champs-sur-Marne (France)  
31<sup>st</sup> March-1<sup>st</sup> April 2006

## Next ISCS meetings:

- Glasgow (Scotland), 20–21 April 2007
- Québec, Canada, 1st week october 2008

## To be scheduled (2007)

- Workshop on non-destructive testing/survey of passed treatments

**Content:**

Report / Annex 1: State of the art stone conservation Sweden / Annex 2: A short review on the basis of Barbara Lubelli and George Scherer recent publications / Annex 3: Members list / Annex 4: list of priorities of ISC's.

## Report

**Participants:**

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Michaël <b>Wyss</b>	MWS	Unité d'archéologie, Saint-Denis	FR	*	
Olivier <b>Rolland</b>	ORD	Restaurateur de Sculptures,	FR	*	
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Excused persons: Dagmar Michoinova, Elisa Heikkila , Joan Cassar, Kati Winterhalter, Bernd Fitzner, David Young, Marie Klingspor-Rotstein, Rolf Snelthage, Stefan Simon, Vasu Poshyanandana, Per Storemyr, Istvan Kovacs , George Scherer, Marisa Laurenzi Tabasso, Philippe Bromblet, Mysini Varti-Matarangas, Jose Delgado-Rodrigues, Christoph Franzen

## Introduction

Many colleagues could not afford, or simply find time to join the meeting. Nevertheless we encouraged them to make some input before the Champs sur Marne meeting. The following lines resume these contributions, and include the conclusions of the discussions held during the meeting itself.

### 1. New members

Welcome to the following new members:

**Jeroen VAN RHIJN**, Amsterdam, the Netherlands

Jeroen (Jerôme) is geologist and geochemist, owning a private expertise company, providing advices on maintenance, deterioration causes of stone, mortars, bricks and concrete in historical monuments and museum collections.

**Daniel KWIATKOWSKI** becomes the liaison officer and Chairperson for ISCS of the Swedish working committee, following the appointment of **Marie Klinspor Rotstein** as the chair person of the Swedish ICOMOS National Committee,

### 2. Date/places of the next meetings

The question was raised on whether we should move to one year meeting, or take profit from important meetings in the field

- **Jose Delgado Rodrigues** agrees to have only one meeting per year. To join the big congresses is not necessarily a good idea. We need one full day at least and if you add it to the duration of the congress we will have an excessive stay abroad that may bring problems for people to accommodate a so long absence from office. So, a small meeting is better.  
He suggests **that the group organises a meeting, open to external people**, on a subject that may attract persons outside the group, as « *non-destructive testing/survey of passed treatments* ». With a two-days meeting we can easily add a full day for the group business. For instance, in the case of Eu-ARTECH seminar organised by Jose on 4-5 May, 2006, we will have another two days dedicated exclusively to the project business.  
For the forthcoming months Jose will be too busy to think about, but in case the ISCS considers this alternative, he may offer to organise such an event, in **Lisbon, Portugal**.
- **Rob Van Hees** still prefers 2 meetings a year; missing one is then still possible without closing contact.

Two meetings are already schedules :

- **Ingwall Maxwell** and **Andrew McMillan** confirm their proposal to host a meeting in Glasgow, Scotland on **20–21 April 2007** (linking with Scottish Stone Conference on 18–19 April 2007)
- **Tamara Anson Cartwright** invites us to meet during the ICOMOS general assembly in **Canada** first week of **October 2008**.

Further possibilities:

- During the XI'AN Meeting our colleague from India, **Dr. R.C. Agrawal**, invited us all to his country for the next meeting after this (October 2006?; spring 2007?). This proposal would fit very well with the necessity for our colleagues from Asia to join a meeting of the group. Unfortunately, up to now, we do not have anyone from India in the stone committee. It is difficult, in such a condition, to organize a meeting there.
- **Jo Ann Cassar** from La Valette (Malta) and **Dagmar Michoinova** from Prague (Tcheque Republic) would be happy to host a meeting. October 2006 or October 2007 would be good times, in relationship with the timetable related to glossary publication presented in §
- Side meeting around the next *Int. Conference on Non-destructive Investigations and Microanalysis for the Diagnostics and Conservation of the Cultural and Environmental Heritage (2007 or 2008)*

### 3. Non-destructive testing/survey of passed treatments

In order to encourage inputs in this Working group, the question was raised before the meeting on the idea to organize a **special workshop within the frame of a congress** on the topic (for instance in the series: "Int. Conference on Non-destructive Investigations and Microanalysis for the Diagnostics and Conservation of the Cultural and Environmental Heritage").

- **Marisa Laurenzi Tabasso**, being part of the Scientific Committee of this series of conferences, likes the idea of having a special workshop (or a round table? Or both?) on non-destructive testing/survey of passed treatments during the next edition of the Conference, which should be in **2007 or 2008**. She will forward the proposal to the colleagues of the organising committee and, when it will meet, to the scientific committee as well.
- **Jose Delgado Rodrigues** proposes to organise in Lisbon a special small two-days workshop on the topic.
- **Rob Van Hees** mentions that people like **Christine Maierhofer** and or **Luigia Binda** will be involved in congresses on Non destructive investigations; both are also involved in a **new rilem committee** in this field.

### 4. ISCS glossary

#### 4.1. Translation

A small team has begun the translation into french. **Jean-Marc Vallet** presents the remarks raised after the first sets of translation. Among others, there are Issues related to the quality of the the English in the nowadays available version, and some discrepancies in the way definitions are set up. It is decided:

1. To get quickly to a "clean" english version (see the table on next §)
2. To set up guidelines for the translation procedure (draft to be proposed by the french team)

At the moment, declared voluteers for the translation are the following:

- German: **Rolf Snethlage**
- Portuguese: **Jose delgado Rodrigues**
- Arabic: **Mae Shaer**
- Farsi: **Rasool Vatandoust**
- Greek: **Mysini Varti-Matarangas** with the help of some colleagues
- French: **Philippe Bromblet, Jean-Marc Vallet & Véronique Vergès-Belmin**

#### 4.2. Including information on stone cladding deterioration

**Kyle Normandin** presents an overview of many aspect of stone cladding conservation/restoration problems and distributes a paper:

*Stone-faced precast panel technology: monitoring and intervention techniques for stabilization, K. Normandin, In: 7<sup>th</sup> int. DOCOMOMO conference, Paris, 16-19 sept. 2002, p. 297-301*

As a conclusion, he raises a proposal for including information on the folowing topics into the glossary:

1. Dimension stone technology
2. Stone cladding /wall types
3. Stone cladding /deficiencies and deterioration
4. Terminology related to Stone cladding repairs

It is finally decided that the topic 3 will be developped as a first step, in order to complete the glossary with illustrations on stone cladding deterioration patterns. This will enlarge the interest of the glossary, and will anchor it in the XXth century stone heritage. The other topics may be developped in a further step, within the frame of a specialized working group. Our website has got many possibillies of extension to other kinds of information than the ones presented at the moment

Kyle proposes to present the work on the glossary to the next International Conference on Structural Analysis of Historical Constructions which will be held on 6 - 8 November 2006 in New Delhi, India. The website is as follows:

<http://www.sahc2006.org/default2.asp>

Since the meeting, he contacted with the planning committee in New Delhi, to inquire if it would be possible to give a short presentation (15-20 minutes) on the ICOMOS ISC-Stone Committee and the evolution/progress of the Glossary of stone conditions. The conference planning committee has asked us to submit a short description for our presentation for their consideration.

### 4.3. Paper publication of an English/French version: timetable

It is proposed to present a **paper version** (bilingual: English / French, the two official languages of ICOMOS) of the glossary at the next general assembly of ICOMOS in Canada (October 2008). This would be possible to introduce translations of the terms in different languages, but it is not reasonable to foresee a paper publication into more than these two languages, owing to financial difficulties.

DEADLINE	TASK	CONCERNED PERSONS
<b>MAY 2006</b>		
	Draft Introduction to the glossary	Tamara - Ingwall
<b>JUNE 2006</b>		
	Check Introduction to the glossary	Tamara - Ingwall - Véronique
	One-page summary on basic concepts about stone types mentioned into the glossary	Andrew
	Deterioration phenomenons related to cladding - definitions – propose appropriate 20 <sup>th</sup> Century short definitions + photos	Kyle
	Captions of illustrations to be completed according to standard	Stefan - Ingwall - Christoph - George
	Check illustration copyright attributions	Bernd - Stefan - Ingwall - Christoph
	"Standardization" of each glossary entry, compile final draft content and first English editing	Elsa - Véronique
	Translate definitions into French	Jean-Marc – Philippe - Véronique
	Investigation of funding options	
<b>Fall 2006</b>		
	Final English editing	Kyle
	Translate definitions into French (continue)	Véronique - Jean-Marc - Philippe
	Looking for printing costs, looking for fundings	Véronique
	Looking into copyright issues	Véronique
	Layout of glossary	Véronique - Jean-Marc
<b>20 April 2007 (Meeting in of the ISCS in Scotland)</b>		
	Draft of the final version of the glossary ready for testing by selected stone conservation professionals through out the world	
	Inaugurate pilot testing of usefulness of Glossary	
	Establish feedback process	
<b>April-September 2007</b>		
	Field testing of the glossary by stone conservation professionals	
<b>September 2007</b>		
	Carry out editorial changes based on pilot feedback	
<b>Fall 2007</b>		
	Editing of the final version of the glossary incorporating outside comments	
<b>January 2008</b>		
	Final version of the glossary ready for publication	
<b>Spring 2008</b>		
	Publish volume at ICOMOS Canada meeting	

## 5. Overview of restoration techniques in ISCS represented countries

**Daniel Kwiatkowski** presents, on behalf of the Sweden group, an overview of stone conservation practices in Sweden (**Annex 2**). It is proposed to compile such overviews notes in each country.

## 6. Something new about deterioration by salts and related conservation problems

A short review on the basis of **Babara Lubelli** and **George Scherer\*\*** recent publications was presented by Veronique (See **Annex 3**)

- Sodium Chloride damage to porous building materials, PHD Thesis, Delft University, 2006  
Contact: **Barbara Lubelli**  
Email: [b.lubelli@bouw.tno.nl](mailto:b.lubelli@bouw.tno.nl)
- Controlling stress for salt crystallization; Jason Houck, George W. Scherer, in press  
Contact: **George Scherer**  
Email: [scherer@princeton.edu](mailto:scherer@princeton.edu)

## 7. Information on nature & provenance of building materials

During the marseille meeting, and in relationship with the project of contributing to the 2008 ICOMOS general assembly theme « Where is the spirit of the place », C. Franzen proposed to work at the introduction of info on the "**nature and provenance of building materials**" in the leaflets distributed to tourists on sites of world heritage..

**Andrew McMillan** distributed during the Champs sur Marne meeting a set of leaflets containing information on building stones, elaborated by Scottish Natural Heritage, in collaboration with different UK institutions:

- « **Witch Craig wall** » / « **Rigs – Regionally important geological and geomorphological sites** » -  
« **Ravelston Park & Wood: geological history & information** »...

Other leaflets could be collected in order to get a set of didactic examples to be shown to colleagues willing to introduce such information on sites they are responsible for...

The english colleagues also provide a very interesting booklet on a methodology for « **Recording Buried tombstones** » information is available at the following address: [www.scottishgraveyard.org.uk](http://www.scottishgraveyard.org.uk)

## 8. ICOMOS Scientific Council activity

The first meeting of the Scientific Council is scheduled on June 16<sup>th</sup> 2006. For the sake of enabling the members of the Scientific Council to begin to compare affinities and potential for inter - ISC cooperation, Gustavo Araoz has set up a list of priorities (annex 4). The stone committee priorities are not yet included.

## 9. Visit to the Saint Denis Cathedral, & presentation of some stained glass windows

After a welcome speech at the Saint-Denis Archeology Unit, where Michaël Wyss presented the Cathedral Historical framework, we followed, Benoît Maffre (Architect, A.C.M.H. Agency of Benjamin Mouton) through the Visit of St Denis Cathedral. Issues of stone replacement, re-pointing, repairs were discussed on site. The Preliminary study of the occidental façade portals was presented by Olivier Rolland (restaurateur de Sculptures); cleaning issues, search for polychrome residues, were discussed. VVB finally presented the different steps of restoration of the northern portal, achieved since 1997, pointing out the difficult problem of laser induced yellow effect, and presenting de-yellowing tests recently performed on Saint-Denis cathedral.

Back in LRMH, Isabelle Pallot-Frossard showed to the group some unique XIIth century panels which were removed at different times from Saint-Denis.

## **Annex 1**

State of the Art stone conservation / Sweden  
*Prepared by Daniel Kwiatkowski*

*Separate document:*  
[State of art-stone conservation Sweden.pdf](#)

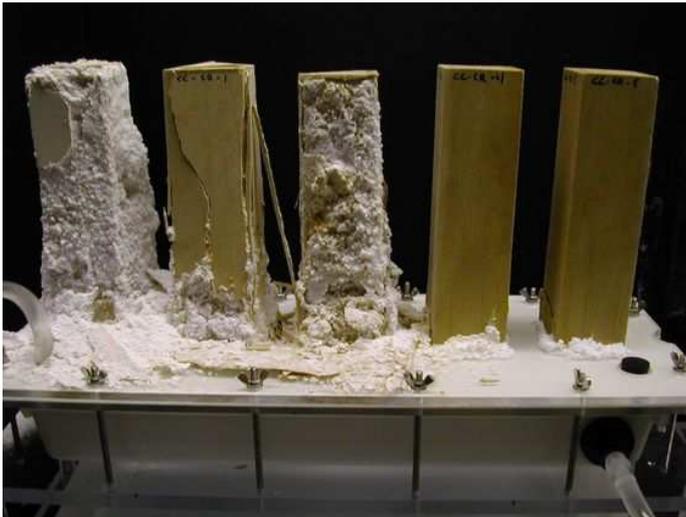
## **Annex 2**

A short review on the basis of **George Scherer**  
and **Babara Lubelli** recent publications

# George Scherer

Information available at the following address: [scherer@imap.princeton.edu](mailto:scherer@imap.princeton.edu)

Depuis quelques années, nous avons recherché une méthode pour réduire les forces de répulsion qui existent entre les cristaux de sel et les parois des pores. Enfin, nous avons trouvé un traitement à base aqueuse qui marche très bien. La pierre est saturée avec une solution de l'acide polyacrylique (PAA) à très faible poids moléculaire, et séchée. Le polymère ne sert pas comme consolidant, parce qu'il n'y a pas d'augmentation du module élastique (dynamique), mais la pierre résiste beaucoup mieux aux sels. La photo ci-jointe démontre l'effet du traitement: l'échantillon à gauche n'est pas traité, mais les autres ont été traités avec des quantités croissantes de gauche à droite.



A la fin de l'expérience, nous avons coupé les échantillons en deux pour observer la répartition du sel, et elle a été identique pour tous les échantillons. La profondeur de la couche du sel dépend de la concurrence entre la vitesse de l'évaporation et celle de la montée capillaire, donc la similarité entre les échantillons indique que le traitement n'a pas changé la sorptivité. Ce qui est plus important, le fait que le sel est là, sans produire des dégâts, ce qui indique que les contraintes sont réduites ou éliminées par le PAA. L'effet est attribué au fait que le sel est content d'entrer en contact avec les groupements carboxyles sur le polymère, donc les forces de répulsions sont éliminées.

Une deuxième expérience nous permet de quantifier la réduction dans les forces de répulsion. Une lame de pierre est collée sur une lame de verre, et la pierre est saturée avec sulfate de sodium. Quand la pierre est mouillée avec de l'eau, la cristallisation de mirabilite impose des contraintes qui gonflent la pierre, et entraînent la flexion du composite (pierre + verre). Si la pierre est traitée avec le PAA, il n'y a pas de flexion.



# Babara Lubelli

The following paper reference can be reached through **science direct** (<http://www.sciencedirect.com/>), or from Barbara Lubelli ([B.Lubelli@bouw.tno.nl](mailto:B.Lubelli@bouw.tno.nl))

## **Irreversible dilation of NaCl contaminated lime–cement mortar due to crystallization cycles**

*Cement and Concrete Research, Volume 36, Issue 4, April 2006, Pages 678-687*

B. **Lubelli**, R.P.J. van Hees, H.P. Huinink and C.J.W.P. Groot

The mechanism of damage occurring in NaCl contaminated materials has not been clarified yet. Apart from crystallization pressure, other hypotheses have been proposed to explain the cause of decay. Irreversible dilation has been observed in a few cases but has never been studied in a more systematic way. The aim of the research is to contribute to the modeling of this phenomenon.

In the present paper the effect of NaCl on the hydric and hygric behavior of a lime–cement mortar is extensively studied. The results indicate that NaCl influences the hydric and hygric dilation behavior of the material. The material contaminated with NaCl shrinks during dissolution and dilates during crystallization of the salt. This dilation is irreversible and sufficient to damage the material after few dissolution/crystallization cycles. This behavior is not restricted to NaCl, but is observed in the presence of other salts as well (NaNO<sub>3</sub> and KCl). Outcomes of electron microscopy studies suggest that salts causing irreversible dilation tend to crystallize as layers on the pore wall.

The complete work performed by Barbara Lubelli (**PhD report**) can be purchased from TNO and Delft University.

# **Annex 3**

## **Members list**

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## Annex 4:

### **ICOMOS International Scientific Committees**

#### Summary of 2006 Priority Areas

Prepared by G Araoz  
For the  
Bureau-Scientific Council Meeting

*Rome, June 2006*

## ICOMOS

### *International Scientific Committees*

Summary of 2006 Priority Areas  
Prepared by G Araoz  
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Bureau-Scientific Council Meeting  
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#### **Technical Issues**

- CIPA: To initiate and co-ordinate applied research and development activities (CIPA Working Groups);
- ISCARSAH: Structural safety of historical structures. How to combine different research activities (historical research, inspection, non-destructive testing, structural calculations) to conclude on the structural condition and safety of ancient conditions. The need for both a quantitative and qualitative approach to the problem.
- ISCARSAH: Earthquake resistance and seismic vulnerability of historical structures. The investigation of the vulnerability and the definition of criteria for the improvement of their capacity to resist earthquakes.
- ISCARSAH: Specific problems and restoration needs of 20<sup>th</sup> c. heritage structures.
- ISCARSAH: Construction technology. Study of different construction technologies used in different cultures and characterization of the structural schemes resulting from them.
- ISCARSAH: Emergency actions for the conservation of architectural heritage structures after natural disasters
- ISCARSAH: Soil foundation and geotechnical issues
- Polar Heritage: Problems of increasing erosion of coastal polar sites
- 20<sup>th</sup> Century: Continue positive dialogue with affinity groups to develop joint initiatives.
- 20<sup>th</sup> Century: Development of guidelines for maintenance and repair treatments for 20<sup>th</sup> Century Heritage.

#### **Training Issues**

- ICLAFI: Teaching of law and administration in training conservators
- ICTC: Capacity Building in Tourism Management for Managers of World Heritage and other Heritage Sites and Places
- ISCEAH: The loss of traditional technologies.

#### **Research Issues**

- Polar Heritage: Climate change and its effects on polar heritage
  - ISCEAH: The effects of global warming and climate change on earthen structures
- ISCEAH: Modern sustainable construction using earthen materials.
- CIVVIH: Groundwork for investigating small towns and villages (CIVVIH is the Committee on historic towns and villages but has so far focused on historic towns and town-centers).
  - ICIP: Analysis of Emerging Interpretive Technologies
  - CIAV: The fragility of vernacular architecture is threatened by environmental changes on a global scale. Vernacular structures are the first to be destroyed when major natural disasters occur. How can we protect this fragile heritage?
  - ICLAFI: The committee's work plan has identified the following topics for research and publication. Some issues have been addressed in prior symposia.
1. Listing of monuments and historic buildings (constitutive versus declaratory nature of listing)
  2. Definition of monument and historic building (scope of protection)

3. Integrity of a monument or historic building (protection of fixtures and fittings)
  4. Protection through planning; public participation in planning and listing processes
  5. Regulation of threats to monuments and historic buildings (differences between private and governmental threats; differences between private and government-owned monuments or historic buildings)
  6. Protection of the surroundings of monuments
  7. Enforcement measures in the protection of monuments and historic buildings
  8. Impact of international legislation and domestic legislation
  9. Effectiveness of the UNESCO recommendations on cultural heritage
  10. Independence of conservators within administrative structures
  11. Economic impact of financing conservation and restoration (grants, tax incentives, others)
- CIIC: Continue the work of identification of cultural routes all over the world, and expansion of its database.

### Site Management Issues

Polar Heritage: Tourism and degradation of polar heritage sites

ICIP: Development of methodology for interpretation formulation and evaluation

ICIP: Community involvement in Interpretation

ICTC: Development of Useful Guidelines for Managing Tourism Impact on Historic Villages, Towns and Cities, including on the quality of life of residents.

### Philosophical Issues

- ICLAFI: The Committee offered to assist any other Scientific Committees in the development of charters or other such documents. ICLAFI does not purport to be experts in all of the subject areas, but could be of assistance in ensuring that they are in proper legal form and do not unintentionally conflict with other charters, conventions, etc.
- ICAHM: Authenticity of World Heritage places is of concern as there is a growing tendency to rebuild archaeological features intensified in part through pressure to be competitive in the global and national tourism market.
- ISCARSAH: Compatibility and alignment of the Iscarsah recommendations with other international recommendations and national or international regulatory documents
- CIIC: Finalize charter on Cultural Routes
- Polar heritage: Material renewal contra authenticity in huts and cabins
- ICIP: General Methods and Theory of Heritage Interpretation and Presentation
- ICIP: Links between Interpretation and Conservation
- ICTC: Integrating the Ethics and Principles contained in the *ICOMOS International Cultural Tourism Charter*, with the work and objectives of other ICOMOS International Scientific Committees
- CIAV: With globalization, vernacular architecture is threatened by standardization of forms and materials. How can we conserve vernacular architecture?
- CIVVIH: Investigation of "the city as a cultural landscape."
- CIVVIH: What is the spirit of the Mediterranean (this discussion will be taken up by the new sub-committee for the Mediterranean region)
- CIVVIH: the updating of the Washington Charter

### Communications Issues

- CIPA: To establish links between architects, historians, archaeologists, conservationists, inventory experts and specialists in photogrammetry and remote sensing, spatial information systems, CAD, computer graphics and other related fields;
- CIPA: To organise and encourage the dissemination and exchange of ideas, knowledge, experience and the results of research and development (CIPA Expert Groups and CIPA Mailing List);
- CIPA: To initiate and organise conferences, symposia, specialised colloquia, workshops, tutorials, practical sessions and specialised courses (CIPA Events);

- ICAHM has an impressive list of members representing the major geographical regions of the world. In the past, when asked to participate in the provision of information or in providing information for the ICOMOS publication 'Heritage@Risk' between six to ten members responded. ICAHM needs to develop process that will involve more of its members in various activities.
- ICTC: Continuing promotion of the Ethics and Principles contained in the *ICOMOS International Cultural Tourism Charter*, particularly in relation to the responsible communication of cultural significance of the place to visitors and local residents.
- ICTC: Continuing promotion of the Principles and Recommendations contained in the WTO Guidebook for Tourism Congestion Management at Natural and Cultural Sites
- CIAV: Rural vernacular architecture is threatened by the influence of urbanization and of modern living standards. People are no longer proud of their traditional habitat as it is rejected as obsolete and is often related to poverty and old ways of life. How can we make people proud of their traditional architecture?
- ISCEAH: The vast amounts of abandoned archaeological sites constructed of earthen materials.
- ISCEAH: The use of earthen construction to house disaster victims where appropriate.
- 20<sup>th</sup> Century: To promote the value and identification of the heritage of the Twentieth century
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#### **Outreach Issues**

- CIPA: To organise a network of National and Committee Delegates
- SBH: The place and function of shared built heritage for the local community
- SBH: Integrated conservation of the built heritage, related to point 1
- SBH: Public awareness and political commitment for heritage

#### **WORLD HERITAGE ISSUES:**

- ICLAFI: The Committee requested to be vested with the role of participating in nominations to the World Heritage List. They have observed that protection is one of the most important items to be considered in a nomination, and our committee has the expertise to analyze the legal and administrative protection provided each site. Ideally, ICLAFI should have an opportunity to provide comment prior to the nomination being acted on officially by ICOMOS.
- ICIP: Development of evaluation criteria for interpretation at WH sites.
- ICTC: Development of Operational Guidelines for Tourism Management at Heritage Sites and Places, for incorporation into Plans of Management
- CIAV: As vernacular architecture has been identified as a major gap in the following publication: *The World Heritage List: filling the gaps - an action plan for the future*, members of the Committee feel that they should play a more active role in the evaluation of future World Heritage Sites.
- CIVVIH: Development of a methodology for a "values based evaluation of WH sites".
- CIVVIH: Report on fortified towns (for ICOMOS)
- 20<sup>th</sup> Century: Provide advice to ICOMOS relating to Twentieth century Heritage and World Heritage convention

#### **LOGISTIC NEEDS OF ICOMOS:**

- ICLAFI: The committee offered to provide the Resolutions Committee at each General Assembly at least one member of the Legal Committee to assist in phrasing the proposed resolutions in proper legal form.
- ICLAFI: The Committee specifically offers to advise and assist the Statutes Committee and the Executive Committee in the ongoing process to revise the statutes of ICOMOS.
- ICLAFI: The Committee requests that a representative of the committee be consulted and involved in the selection process of the papers to be presented in any symposium held in conjunction with the General Assembly, and especially whenever there are sessions that involve the specific competence of

the Committee: Legal, Administrative and Financial Issues. The Committee would like involvement specifically in the identification of the subjects for papers and the selection of papers to be presented in order to ensure their quality and relevance.

- ICLAFI: The committee invites the executive committee to consider appointing ICLAFI to assist in preparing for ICOMOS' participation at the ICBS meetings, the committee of the second protocol of the Hague Convention, as well as at the meeting of the state parties to the above conventions.
- With the implementation of the Eger-Xi'an principles and the need to provide for a universal membership for the International Scientific Committees will be a burden on the secretariat. ICAHM will need to strengthen the secretariat perhaps with a Vice President dedicate to membership vetting.
- Updating the ICAHM/ICOMOS web site process needs to be clarified and expedited.
- ICTC: Development of the Committee Website and response to the new Eger Xian Principles
- CIAV: The committee needs an operating budget for completing its publications, and it also needs publishers. How can ICOMOS help the committee in achieving its objectives?
- 20<sup>th</sup> Century: Collaborate and contribute to the work of other ISCs on Twentieth Century Heritage
- 20<sup>th</sup> Century: Active participation in Scientific Council and Eger-Xian reforms
- 20<sup>th</sup> Century: Development of protocol for announcing Heritage@Risk alerts to be issued jointly with other groups when appropriate and to maintain a joint network to react to calls for assistance from various parties.