



ICOMOS E-Learning Course
for
The Protection of Syria's Cultural Heritage in Times of Armed Conflict
7-8 January 2013

In Cooperation with Syrian **DGAM** and **ICCRROM**

Led by the ICOMOS International Scientific Committee on Risk Preparedness- **ICORP**



ICOMOS Course Organizing Team	
John Hurd	Chairman of ICOMOS Advisory Committee
Rohit Jigyasu	President of ICORP- Member of the ICOMOS Executive Committee
Samir Abdulac	Secretary General of ICOMOS France- Vice President of CIVVIH
Gaia Jungeblodt	Director of ICOMOS- International Secretariat
Bijan Rouhani	ICOMOS-ICORP- Coordinator of the course
Robert Bevan	Member of ICOMOS-ICORP
Zeynep Gul Unal	Member of ICOMOS-ICORP
Bernd Paulowitz	Web Consultant, member of ICOMOS Austria

ICCROM	
Stefano De Caro	Director-General of ICCROM
Catherine Antomarchi	Collections Unit Director
Aparna Tandon	Project Specialist, Collections Unit
Zaki Aslan	Director of ICCROM ATHAR Regional Conservation Centre, Sharjah.

DGAM- Syria	
Dr. Maamoun Abdel Karim	Director-General of Antiquities and Museums, Syria.
Lina Kutifan	Head of Site Management Department
Abdul Salam Almeidani	IT Department

Course Trainers' Profiles (alphabetical order)



Samir ABDULAC
ICOMOS

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Holds a PhD in Urban Planning and diplomas in Architecture (Paris and London). He is presently Secretary General of ICOMOS France and Vice-President of the ICOMOS Scientific Committee on Historic Towns and Villages (CIVVIH). He worked mostly in France and Arab countries for international organisations such as UNESCO, European programs, Harvard University and Local authorities. His work generally combines the enhancement of cultural heritage with the planning of community based comprehensive and sustainable development and tourism.



Ana ALMAGRO VIDAL
ICOMOS-CIPA

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Conservation Projects Manager, Architect, PhD.

Dr. Almagro is currently a projects manager at the Spanish Historic Heritage Conservation Department at the Caja Madrid Foundation in Madrid. Since 2006 she has been responsible for the implementation, management and coordination of restoration projects conducted throughout Spain with special attention paid to communication and dissemination *during the works* in order to raise public awareness of the importance of preserving and promoting cultural heritage and its values.

Ana holds advanced degrees in Architectural Conservation including a European PhD from the University of Granada. While she was preparing her doctorate she was a scholar at the Royal Spanish Academy in Rome (2000–2002) and at the Spanish School of History and Archaeology in Rome (2002–2004). During her time in Rome she also served as the Scientific Coordinator and Lecturer at the International Course ARIS “Architectural Records, Inventories and Information Systems for Conservation” organized by ICCROM and The Getty Conservation Institute (2003 to 2009). The methodology, techniques and tools developed for the ARIS courses have been infused into other ICCROM courses including the ATHAR Programme held in the Middle East where she has collaborated since 2005.

She is a member of the Executive Board of the International Scientific Committee CIPA-Heritage Documentation (a co-committee of ICOMOS-ISPRS).



John HURD
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John Hurd: President of the ICOMOS International Scientific Committee for Earthen Architectural Heritage. [ISCEAH]. President of the International Advisory Committee of the International Council on Monuments and Sites, ex-officio member of the ICOMOS International Executive Committee. ICOMOS is the principal non governmental advisory body on cultural heritage matters to the World Heritage Centre of UNESCO.

Honorary Visiting Fellow, Department of Archaeology, University of York, UK.

Fellow, Institute of Advanced Architectural Studies.

Fellow of the Society of Antiquaries of London.

Many publications and papers.

Lectures widely.



Rohit JIGYASU
ICOMOS-ICORP
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Rohit Jigyasu is a conservation architect and risk management consultant from India, currently working as UNESCO Chair professor at the Research Center for Disaster Mitigation of Urban Cultural Heritage at Ritsumeikan University, Kyoto, Japan and Senior Advisor to the Indian Institute of Human Settlements (IIHS). He is the president of ICOMOS International Scientific Committee on Risk Preparedness (ICORP). Rohit's work has focused on disaster risk management of cultural heritage.



Cristina MENEGAZZI
UNESCO WHC
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Cristina Menegazzi works at the UNESCO World Heritage Centre. She has been working for twenty years in the field of cultural heritage, with a focus on conservation/preservation, museum practices (inventory/documentation, museology, security and emergency planning, collection management), disaster risk management in post conflict and post disaster situations, training and e-learning, editorial activities, translations, project design, strategic planning, management and evaluation, and fund raising. She has a PhD in Disaster Risk Management of Cultural Heritage at the University of Viterbo, Italy (2010). She is a member of ICOMOS-ICORP. Cristina has also worked with ICCROM, and was responsible for setting up ICOM's long term Museums Emergency Programme (MEP).



Bijan ROUHANI
ICOMOS-ICORP

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Bijan Rouhani is a conservation architect and consultant, currently based in London. His field of work is reducing risks to cultural heritage sites, especially in times of armed conflict and natural disasters. He also works on the legal aspects of the protection of cultural heritage sites. He is a member of ICOMOS International Committee on Risk Preparedness (ICORP) . In 2010, he obtained his PhD in Conservation of Architectural Heritage from La Sapienza, the University of Rome. His research was on International Principles for the Protection of Cultural Heritage during Armed Conflict. Since the launch of ICCROM's international courses on First Aid to Cultural Heritage in Times of Conflict, Bijan has been collaborating with ICCROM for teaching in these courses. He has also worked with Iranian Cultural Heritage, Handicrafts and Tourism Organization and the Italian Superior Institute for Conservation and Restoration (ISCR). He is the coordinator of the ICOMOS E-Learning Course for the Protection of Syria's Cultural Heritage (2013).



Mario SANTANA QUINTERO
ICOMOS-CIPA

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Mario Santana Quintero, PhD in engineering and Assistant Professor at Carleton University's department of Civil and Environmental Engineering and Azrieli School of Architecture and Urbanism. He is a faculty member of Carleton Immersive Media Studio (CIMS). Besides Carleton, he is also a guest professor at the Raymond Lemaire International Centre for Conservation (KU Leuven). He has a renowned experience in academia and research with hands-on track record in works with intergovernmental and national organizations (UNESCO, ICCROM, The Getty Conservation Institute, World Monuments Fund among others), he has been a holder of an European commission research project, and he has evaluated fellowship proposals since 2010 for the European Research Agency's Engineering and Mathematics panel. He is the current president of the ICOMOS Heritage Documentation Scientific Committee (CIPA) and he has been granted the Tartessos Award for his relevant work in documentation of heritage places by the Spanish Society for Virtual Archaeology.



Aparna TANDON
ICCROM
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As a Project Specialist at ICCROM, Aparna is leading its international training on First Aid to Cultural Heritage in Times of Conflict and its follow-up activities. She is also in charge of developing the activities of the SOIMA (Sound and Image Collections Conservation) programme and has contributed to the planning and implementation of Teamwork for Integrated Emergency Management, a collaborative training initiative of ICCROM. In August 2010, she led the ICCROM-Smithsonian Institution joint training to build capacity for the recovery of cultural collections in Haiti damaged as a result of the massive earthquake in January 2010. Aparna has over fifteen years of post-qualification experience in the field of conservation of cultural heritage. She has worked in several countries including Brazil, Bhutan, Egypt, Myanmar, Japan, USA, Lithuania, Latvia, Lebanon, Thailand, Serbia, Croatia etc. Aparna holds an MA in Art Conservation from National Museum Institute, India and has received advanced level training in Paper Conservation from the Straus Center for Conservation, Harvard University Art Museums, USA. In 2001-2002 she was the Fulbright Arts Fellow at Preservation Directorate of the Library of Congress in Washington, D.C., and then a Conservation Guest Scholar at the Getty Conservation Institute, Los Angeles, USA. From 1998 to 2004, she was the Curator-Conservator at the Amar Mahal Museum and Library in Jammu & Kashmir, India. She has specialized in designing preventive conservation and disaster risk management strategies for cultural heritage collections and teaching the subject in various countries, while also being very active in promoting awareness and public participation in preservation activities.



Zeynep Gül ÜNAL
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Zeynep Gül ÜNAL is Professor at Restoration Department, Faculty of Architecture, Istanbul Yildiz Technical University. Her fields of expertise are: Historical environment preservation; Conservation of tangible heritage under specific condition; Rehabilitation of historical environment in the aftermath of human induced and natural disasters; Information systems on heritage preservation; Debris reading and human rescue in damaged and/or collapsed buildings. In 1998, she finished her PhD at Yildiz Technical University, Institute of Science and her thesis was on “ Designing Computer Aided Historical Environment Preservation Information Systems and an Application in Historical Site of Gaziantep”. Zeynep is a trainer and team leader in GEA Urban Search and Rescue Team, and has been involved in many national and international human search and rescue operations after disasters. She is an expert-voting member of ICOMOS-ICORP and a member of ICOMOS-IFLA.

Course Programme- 7-8 January 2013

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7 January	SUBJECT	TIME	SPEAKER
9:30- 9:45	Opening and Introduction to the course	15 min.	Samir Abdulac ICOMOS
9:50-10:50	Damage assessment in cultural heritage sites	60 min.	Rohit Jigyasu ICOMOS-ICORP
11:00 - 11:50	Documentation in emergency for monuments and sites	50 min.	Mario Santana Quintero/ Ana Almagro Vidal ICOMOS-CIPA
11:50-12:15	Coffee Break	25 min.	-
12:15-13:00	Documentation for collections	45 min	Cristina Menegazzi UNESCO WHC
13:05-14:05	Emergency response for monuments and sites	60 min.	Rohit Jigyasu ICOMOS-ICORP
14:05-14:30	Coffee Break	25 min.	-
14:30-15:00	Question and Answer	30 min.	ICOMOS
8 January	SUBJECT	TIME	SPEAKER
9:30-10:30	First Aid to Cultural Collections- Session 1: Evacuation & Preparing Temporary storage.	60 min.	Aparna Tandon ICCROM
10:35-11:25	First Aid to Cultural Collections- Session 2: Salvage, Triage, Stabilization.	50 min.	Aparna Tandon ICCROM
11:25-11:50	Coffee Break	25 min.	-
11:50-12:35	Short-term intervention	45 min.	John Hurd ICOMOS
12:40-13:25	Safety and Security: Operation Procedures During Response Phase in Cultural Heritage Sites	45 min.	Zeynep Gul Unal ICOMOS-ICORP
13:30-14:00	Network building	30 min.	Rohit Jigyasu & Bijan Rouhani ICOMOS-ICORP
14:00-14:30	Coffee Break	30 min.	-
14:30-15:00	Question and Answer	30 min.	ICOMOS/ICCROM

Note- All times in the programme are Syria Local Time.

Damage Assessment in Cultural Heritage Sites- 7 January

Session Leader: Rohit Jigyasu- ICOMOS-ICORP

Duration: 60 min

Session Objectives:

The participants will learn key principles/considerations, tools and techniques for assessing damage to archaeological sites and heritage buildings during conflict situations.

Session Description:

Following subtopics would be covered during the lecture:

- Types and degrees of damages (structural and non-structural),
- Developing Inventory Forms for damage assessment,
- Techniques for Baseline documentation of damage through rapid visual site inspection, detailed technical assessment,
- Skills/materials needed on hand,
- Principles/considerations for damage assessment,
- Need for training of volunteers,
- Assessing need of human and financial resources for immediate protection.

Documentation in emergency for monuments and sites- 7 January

Session Leaders: Mario Santana Quintero & Ana Almagro Vidal- ICOMOS-CIPA

Duration: 50 min

Session Objectives:

- General overall principles for rapid documentation in times of conflict.
- Participants will learn how to extend and get more out of the tools they already have available, such as standard digital cameras, mobile telephones, GPS receivers, laptop computers and measuring tapes, by using protocols and procedures developed for ICCROM's First Aid Course
- General introduction to other tools such as mapping technologies, Geographic Information Systems, remote sensing and the power of social mapping and networking.
- They will be exposed to brief examples of rapid documentation after conflict and how it was conducted.
- They will also have a list of readings and websites for further information, as well as
- A list of low cost/free software available in this field and contacts in case they require additional expert advice.

Session Description:

- Why we need a record – before, during and after conflicts and the importance of documentation of built heritage.
- ICOMOS / UNESCO principles and charters overview and a brief introduction to CIPA along with additional resources and contacts for further assistance .
- The 3 x 3 simplified rules for recording structures rapidly .
- Documentation principles and tools available, with special emphasis on existing, low-cost and easy-to-use tools. How using and combining easy-to-use techniques more useful information can be extracted and provided in less time.

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At the conclusion of the session, the participants will:

- Have a brief overview of principles for recording in case of emergency,
- Have a brief overview of the tools available, particularly the existing, low-cost and easy-to-use tools and how to combine them,
- Know how to collect basic and useful data for emergency decision making.,
- Have the ability to experiment and use their existing equipment.

Documentation for collections – 7 January

Session Leader: Cristina Menegazzi- UNESCO World Heritage Centre

Duration: 45 min

Session Objectives:

- Low cost and rapid documentation for collections in emergency time
- Team, tools and techniques.

Session Description:

This session provides basic information and tools for inventorying collection items, identifying priorities for items evacuation and how to manage an evacuation. The session also introduces Object ID system, which is an international standard for describing cultural objects.

Emergency response for monuments and sites- 7 January

Session Leader: Rohit Jigyasu- ICOMOS-ICORP

Duration: 60 min

Session Objectives:

The participants will learn about various strategies for emergency preparedness and response for cultural heritage sites.

Session Description:

The session would include design of evacuation routes, appropriate signage, emergency equipment such as fire extinguishers, fire alarms, first aid materials etc.

It will also highlight the roles and responsibilities of emergency response team and the procedures for coordination with external agencies. The importance of regular drills would be stressed.

Lastly, emergency protection measures for damaged buildings would be briefly explained through examples.

First Aid to Cultural Collections 1 - Evacuation & Preparing Temporary storage - 8 January

Session Leader: Aparna Tandon- ICCROM

Duration: 60 min

Session Objectives:

At the end of the session participants will be able to:

- a) identify information and resources required for safe packing and evacuation of cultural heritage collections;
- b) develop a sound documentation system for tracking and relocating moved items and objects;
- c) identify safe locations for temporary storage of objects;
- d) develop a system for safe storage of objects according to the type of materials and potential threats.

Session Description:

Through an illustrated power point, this session will lay out principles of packing, evacuating and relocating cultural objects and/or entire collections to a temporary but safe location.

The presentation will first describe situations and conditions in which evacuation is feasible. It will then provide a step-by-step standard procedure for evacuating cultural objects that can be adapted to diverse institutional contexts. This procedure will also include basic documentation for tracking objects that are to be moved to another safer location.

It will describe few practical tips on packing and labeling different types of cultural materials especially fragile and oversize objects.

This session will also introduce the topic of preparing temporary but safe storages for relocating evacuated objects. With photos and diagrams, participants will be given eight essential elements for making a temporary storage within given means.

First Aid to Cultural Collections 2- Salvage, Triage (prioritization for treatment), Stabilization - 8 January

Session Leader: Aparna Tandon- ICCROM

Duration: 50 min

Session Objectives

At the end of the session participants will be able to:

- a) Identify supplies and other essential resources required for retrieving damaged objects from the debris of collapsed structure and any other form of compromised environment such as fire, explosion and flood.
- b) plan and implement a salvage (retrieval) operation
- c) carry out prioritization of treatment for the objects retrieved on the basis of degree of damage; fragility of materials and value of the damaged objects;
- d) develop a simple documentation system for objects retrieved which may or may not have previous documentation;
- e) carry out simple stabilization treatments for a variety of cultural materials until expert help is available.

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Session Description:

Through an illustrated power point, this session will provide knowledge and tools for planning and implementing a salvage operation that may involve rescuing objects from a collapsed structure and /or any other hazardous environment such as the site of a fire incident, flood, bomb explosion etc.

Based on examples from other disaster situations, the presenter will provide practical tips for safely retrieving, documenting, prioritizing and stabilizing a variety of cultural materials. The presentation will include a discussion on locally available materials and every day household supplies that could be used for salvaging and stabilizing cultural objects with an aim to promote their recovery. The presentation will provide pertinent examples of how these operations can be made cost effective as well as time efficient during emergency situations.

Short Term interventions: Emergency preparedness and response - 8 January

Session Leader: John Hurd- ICOMOS

Duration: 60 min

Session Objectives:

This session addresses the possibilities of emergency protection procedure for Archaeological and architectural sites, it also discusses the importance of documentation and the safe keeping of archives and records.

Session Description:

These are difficult times and the session will explore actions and preparedness for dealing with the problems of working in a conflict zone, protecting structures and sites in the most difficult of circumstances.

Backfilling, reburying, padding and boxing of decorative parts of ancient buildings in a fast and efficient manner, confronting challenges and preparing as well as possible for the accidents of war.

Safety and Security: Operation Procedures During Response Phase in Cultural Heritage Sites - 8 January

Session Leader: Zeynep Gül ÜNAL – ICOMOS-ICORP

Duration: 30 min

Session Objectives:

In this session, the participants will get basic information about personal and operational safety in emergency response and damage assessment phase. In cultural heritage sites and collections.

Session Description:

The session addresses these topics:

- Preparation for field work
- Selection of equipment and tools for field work
 - Encamp
 - Personal safety
- Structural and environmental risk analysis, safety and security precaution during field work; Reading of the damaged building and site
- Physical security of collected data from field
- Homecoming procedures

Network Building- 8 January

Session Leaders: Bijan Rouhani and Rohit Jigyasu– ICOMOS-ICORP

Duration: 30 min

Session Objectives:

- Introducing international instruments for the protection of cultural heritage in times of armed conflict, including legal instruments and the network of international agencies;
- Introducing ICOMOS-ICORP and its activities in this regard;
- Proposing follow-up activities for training, network building, monitoring and emergency response to Syria's cultural heritage.

Session Description:

In this session, a short introduction will be given about the international instruments and networks for the protection of cultural heritage in the event of armed conflict. This helps Syrian professionals to know better the regional and international resources for protection, emergency response and recovery. Also, there will be a discussion about the activities that can be followed up after the course for training, capacity building and monitoring, based on Syrian professionals' needs.