

**UNDER THE PATRONAGE OF**

**HE MINISTER OF TOURISM AND ANTIQUITIES MS. LINA ANNAB**  
**&**  
**HE THE DIRECTOR GENERAL OF UNESCO MRS. IRINA BOKOVA**  
**&**  
**HE THE DIRECTOR GENERAL OF ICCROM MR. STEFANO DE CARO**

**The 8th International Conference on  
Science and Technology in Archaeology and Conservation**

Greater Amman Municipality - Al Hussein Cultural Centre  
Amman - HK of Jordan

**May 21 - 25, 2017**

**Conference Programme**

<b>Arrival of Participants in Amman (on May 20)</b>	
<b>17:00 19:00</b>	<b>Conference pre-registration at the hotel</b>
<b>08:00 08:30</b>	<b>May 21</b> Bus pickup at Hotel (8:00 at Amman West Hotel; 8:15 at Imperial Palace Hotel; 8:30 at Hisham Hotel)
<b>09:00 09:30</b>	<b>Registration</b>
<b>09:30 10:30</b>	<b>Official Opening Ceremony</b>
<b>10:30 10:50</b>	Occupational History of Sahab 4000-500 BC (Launching of two volumes on the excavations of Sahab) by <b>Prof. Moawiyah M. Ibrahim</b>
<b>10:50 11:30</b>	<b>Press conference</b> Theatre
<b>10:50 11:30</b>	<b>Coffee Break</b>
<b>11:30 13:00</b>	<b>Plenary session</b> <b>#UNITE4Heritage initiative</b> Keynotes by  <b>Panelists: M. JAMHAWI, C. CIMINO, F.BARONE</b>
<b>13:00 14:00</b>	<b>Lunch</b>
<b>14:00 15:30</b>	<b>Parallel sessions 1A,B,C</b>

	<b>SESSION 1A - Applied Sciences / Chair R.LASAPONARA</b>	
<b>A1</b>	Judith Trujillo Tellez et. al.	Analytical techniques used in archaeometric and conservation studies of rock paintings in Colombia
<b>A2</b>	Nick Schiavon et. al.	An X-ray Fluorescence study of a Late Bronze Age bronze "fibula" from Sardinia (Italy)
<b>A3</b>	Andrea Polcaro and al.	The Use of Science Applied to Archaeology: archaeometrical, ancient DNA and geophysical analysis at Jebel al-Mutawwaq
	<b>SESSION 1B - CH Management_Awareness / R. CHAMOUN</b>	
<b>B1</b>	Giovanni Gigante and Stefano Ridolfi	Educational Yard and "Adopt a Monument". Two methods to increase the awareness of Cultural Heritage in Human communities.
<b>B2</b>	Giorgia Cesaro et. al.	Public Awareness on Natural Risks Management and Mitigation at the 'Siq' of Petra: a first step towards Site Protection
<b>B3</b>	Zeidan Kafafi	Archaeological Sites and Local Communities in Jordan: An Example from Tell Deir 'Alla/Jordan Valley
	<b>SESSION 1C – CH at Risk / Chair N. SCHIAVON</b>	
<b>C1</b>	Talal Akasheh	Flashflood Risks in the Ancient City of Petra
<b>C2</b>	Turki Tashtoosh	Protection of heritage and archaeological sites
<b>C3</b>	Giuseppe Maino and Anna Maria Duello	Use of websites and social networks to monitor cultural heritage in danger
<b>15:30 16:00</b>	<b>Coffee Break</b>	
<b>16:00 17:30</b>	<b>Parallel sessions 2A, B, C</b>	
	<b>SESSION 2A - Applied Sciences /J.L. LERMA</b>	
<b>A1</b>	Giovanni Gigante and Stefano Ridolfi	Diagnostic use of EDXRF in the study of works of Art
<b>A2</b>	Daniela Reggio et. al	Risk reduction for artworks through in-situ detection of early degradation products
<b>A3</b>	Abeer Al Bawab	Contamination of plants and soil at an urban archeological sites
<b>A4</b>	J. Cárdenas Pérez et. al.	Study of mechanisms of alterations on stone support from the "Panel G" at the Rock Art-archaeological site La Pintada, Sonora, Mexico.

<b>SESSION 2B - CH Management_Documentation / Chair M.AYDIN</b>		
<b>B1</b>	Ahmad Lash and Hala Syoof	ROOTS project
<b>B2</b>	Merita Dreshaj	Intangible through tangible – Cataloging votive monuments – case study from the area of Liburni and Delmati
<b>B3</b>	Giuseppe Maino	Presentation of a new International Journal on Culture and Heritage at Risk: Cities of Memory
<b>SESSION 2C – CH at Risk / Chair G. CESARO</b>		
<b>C1</b>	Giorgia Cesaro et. al.	Preventing and Mitigating Landslide Risk in the 'Siq' of Petra: a Community Oriented Sustainable Approach
<b>C2</b>	Romel Ghryeb	Reassemble and Assemble the Tower of Jamman at Khirbat Zubia
<b>C3</b>	Deepshikha Sharma	Public involvement in CHM in India: A long legacy of neglect
<b>18:00</b>	Pickup and transfer to the Hotel	
Free evening		
<b>08:00</b>	<b>May 22</b>	
<b>08:30</b>	Bus pickup at Hotel (8:00 at Amman West Hotel; 8:15 at Imperial Palace Hotel; 8:30 at Hisham Hotel)	
<b>09:00</b> <b>10:30</b>	<b>Plenary session</b> <b>Climate changes, Global warming, Natural and Anthropogenic disasters</b> Experiences of civil military cooperation for the protection of cultural heritage from catastrophic events  <b>Panelists: T.AKASHEH, A.ABBADI, N.SCHIAVON</b>	
<b>10:30</b> <b>11:00</b>	<b>Coffee Break</b>	
<b>11:00</b> <b>12:30</b>	<b>Parallel sessions 3A, B, C</b>	
<b>SESSION 3A - Technology / Chair T.AKASHEH</b>		
<b>A1</b>	Stephen Savage and Thomas E. Levy	Crowdsourced Monitoring of Damage to Archaeological Sites in Conflitto Zones: The TerraWatchers - ASOR Cultural Heritage Initiative Collaboration.
<b>A2</b>	Abdelaziz Elfadaly and A. Al Fathi	Using High-Resolution Satellite Images, and Bands combination in Sentinel 2 and TM data In Cultural Heritage Management In Egypt At West Luxor (a case study)
<b>A3</b>	Giorgia Cesaro et. al.	Advanced geotechnical monitoring systems for landslide risk reduction in the 'Siq' of Petra (Jordan)

<b>SESSION 3B - CH Management__Documentation / Chair R.CHAMOUN</b>		
<b>B1</b>	Moawiyah Ibrahim	State of preservation of the archaeological heritage in the Jordan Valley
<b>B2</b>	Siham Younsi	A scientific support for the control of illicit trafficking of cultural goods in circulation – Algeria
<b>B3</b>	Rachid Chamoun and Juan Manuel Cid	LAU Louis Cardahi Foundation and Museum promotes the Umayyad Cultural Heritage and sustains an Interactive Network of Historical Cities in Lebanon and abroad
<b>SESSION 3C – CH at Risk_Legislation / Chair C.CIMINO</b>		
<b>C1</b>	Saadet Guner and Mahmut Aydin	History of Legislations for the Protection of the Cultural Heritage in Conflicts
<b>C2</b>	Nino Chanishvili	A review of the juridical articulate for the conservation and protection of cultural heritage within the Georgian civil and criminal law
<b>C3</b>	Claudio Cimino	International Humanitarian Law & UNESCO Conventions vs. National Legislation. States Parties obligations of concrete implementation of risk preparedness policies for the protection of CH before, during and after extreme events
<b>13:00</b> <b>14:00</b>	<b>Lunch</b>	
<b>14:00</b> <b>15:30</b>	<b>Parallel sessions 4 A, B, C</b>	
<b>SESSION 4A - Technology / Chair G. GIGANTE</b>		
<b>A1</b>	Jose Luis Lerma Garcia et. al.	Correct use of Colour for Cultural Heritage Documentation
<b>A2</b>	R. Lasaponara	Remote Sensing for Documentation, Monitoring and Preservation of Natural and Cultural Heritage
<b>A3</b>	Giuseppe Maino and Anna Maria Duello	Use of Websites and Social Networks to monitor Cultural Heritage in danger
<b>SESSION 4B - CH Management_Restoration &amp; Conservation / Chair N. SCHIAVON</b>		
<b>B1</b>	Anna Tsoupra et. al.	Developing a strategy towards the Conservation and Protection of the mosaics of Um Er-Rasas
<b>B2</b>	Abeer Al Bawab et. al.	Restoration and Rehabilitation of the Roman Nymphaeum in Amman: "Nymphaeum Archeological Park"
<b>B3</b>	Franco Sciorilli	The Restoration of the Mosaic of the Church of Saints Lot and Procopius to Mukhayyat (Nebo)

	<b>SESSION 4C – CH policies / Chair S. CORR</b>	
<b>C1</b>	Mahmut Aydin and Saadet Guner	UNESCO - Cultural Heritage Protection Handbook: Core Principles for Preventive Conservation & Risk Management.
<b>C2</b>	Giuseppe Maino et. al.	A Protocol for Preservation of world Cultural Heritage Sites at Risk
<b>C3</b>	Muna Zaqsaw	Higher Council for Science and Technology support mechanism to Jordanian in EU programs
<b>15:30 16:00</b>	<b>Coffee Break</b>	
<b>16:00 17:30</b>	<b>Parallel sessions 5 A, B, C</b>	
	<b>SESSION 5A - CH Promotion / Chair Z. KAFABI</b>	
<b>A1</b>	Bill Finlayson	Presenting Prehistory: The Neolithic Heritage Trail in Southern Jordan
<b>A2</b>	Daniela Cavini	Heritage Storytelling
<b>A3</b>	Talal Akasheh	Umayyad Sites and their Tourism Rehabilitation in the Mediterranean Basin. The Umayyad Project
	<b>SESSION 5B - CH Management_Monitoring / Chair S. SAVAGE</b>	
<b>B1</b>	Claudio Cimino	Risk Preparedness Planning Methodologies for CH Resilience
<b>B2</b>	Giorgia Cesaro and Aylin Orbasli	Management planning as a tool for cultural heritage protection – the example of the Integrated Management Plan for the World Heritage Site of Petra
<b>B3</b>	Pascal Flohr	The Endangered Archaeology in the Middle East and North Africa (EAMENA) Project – protecting cultural heritage through remote sensing and an open access database
	<b>SESSION 5C – CH policies / Chair F.RABADI</b>	
<b>C1</b>	Nino Chanishvili	Polices for the protection of cultural heritage before, during and after extreme events. The case of Georgia
<b>C2</b>	Susan Corr	ECCO a shared approach in the definition of education, skills and professional profiles in the conservation and restoration fields

<b>17:30</b> <b>18:00</b>	<b>Parallel thematic sessions - A, B, C</b> Report from sessions' chair and synthesis of sessions' work	
<b>18:00</b> <b>18:30</b>	<b>Introduction to workshops 1 &amp; 2</b> <b>Cross referencing, objectives and expected results<sup>1</sup></b>	
<b>18.40</b>	Pickup and transfer to the Hotel	
	Free evening	
<b>08:00</b>	<b>May 23</b> <b>Workshops 1 &amp; 2</b> Territorial cultural systems case study <b>Study tour &amp; transfer to Um-Rasas, Madaba and Mount Nebo</b> Pickup at Hotel	
<b>09:20</b> <b>11:00</b>	<b>Um-Rasas</b>	
<b>11:00</b> <b>11:20</b>	Commuting to Madaba	
<b>11:20</b> <b>13:00</b>	<b>Madaba</b>	
<b>13:00</b> <b>14:00</b>	Lunch	
<b>14:00</b> <b>15:20</b>	<b>Madaba</b>	
<b>15:20</b> <b>15:40</b>	Commuting to Mount Nebo	
<b>15:40</b> <b>18:00</b>	<b>Mount Nebo</b>	
<b>18:00</b> <b>19:00</b>	Return to Amman	
	Free evening	

**1Two interactive workshops will take place on:**

**WS1** – Civil Military Cooperation for the protection of cultural heritage at risk in times of peace and during conflict. Main stakeholders and their responsibilities. Accreditation and positioning NGO and CSO for the implementation of Risk preparedness plans distinguishing between legislation and administration.

**WS2** – Science and appropriate technology applied to the heritage management cycle as a matter of good Governance. The role of the local authorities in a decentralised administration of the territory. Damage estimate on cultural heritage after highly destructive events during peace time and post-conflict

<b>08:30</b>	<b>May 24</b> Bus pickup at Hotel (8:00 at Amman West Hotel; 8:15 at Imperial Palace Hotel; 8:30 at Hisham Hotel)
<b>09:00 10:30</b>	<b>Workshop 1 &amp; 2</b>
<b>10:30 11:00</b>	Coffee Break
<b>11:00 13:00</b>	<b>Workshop 1 &amp; 2</b>
<b>13:00 14:00</b>	Lunch
<b>14:30 18:00</b>	<b>Lobbying corners: B2B meetings<sup>2</sup></b>
<b>14:30 18:00</b>	<b>Presentations at Speakers' stage<sup>3</sup></b>
<b>14:30 18:00</b>	<b>Further studies &amp; Research corner<sup>4</sup></b>
<b>08:30</b>	<b>May 25</b> Bus pickup at Hotel (8:00 at Amman West Hotel; 8:15 at Imperial Palace Hotel; 8:30 at Hisham Hotel)
<b>09:00 10:30</b>	Workshop 1 & 2
<b>10:30 11:00</b>	Coffee break
<b>11:00 13:00</b>	Workshop 1 & 2 conclusions & wrap-up
<b>13:00 14:00</b>	Lunch
<b>14:00 16:00</b>	<b>Plenary session</b> Presentation and discussion of cross-cutting issues from thematic sessions outcomes & draft recommendations

<sup>2</sup> **Lobbying corner.** This is the right time for you to meet with the others for business reasons. If you wish to present yourself or your institution in a meeting with other participants to discuss/share perspective projects and/or other types of economic, professional and/or institutional cooperation focusing on cultural heritage (Please check the programme see who is who at the STAC and may you be interested to set for an appointment for max 20' B2B meeting (each) ask at the conference desk)

<sup>3</sup> **Speakers' Stages** are dedicated to those wishing to present a perspective project to be developed and are looking for Partners or, Project financing or, Institutional support or international cooperation (Please check at the conference desk to set for a max 10' Spot 'tease' project presentation and your idea at the Speaker stage set at the 1<sup>st</sup> floor hall)

<sup>4</sup> **Further studies & Research development corner** is a space dedicated to different categories of participants including:

**3a. Graduate and PhD students** wishing to contact the participants from Universities, Research centres and Organisations to explore existing opportunities for their further studies or research;

**3b. Academicians, Researchers and Organisations** to explore possible cooperation in development of research and applications on cultural heritage of sciences, technologies, economics, jurisprudence, humanities, management & policies development;

**3c. Institutions/organisations/individuals** interested to create new international networks to jointly develop advanced research and applications on the conservation, promotion and protection of cultural heritage;

**3d. Academic and research centres** to Promote / Reinforce international cooperation;

<b>16:00</b> <b>16:30</b>	<p style="text-align: center;">Coffee break</p>
<b>16:30</b> <b>17:30</b>	<p style="text-align: center;"><b>Closing ceremony</b>          Speeches by          F. BANDARIN UNESCO ADG,          S. DE CARO ICCROM DG, M. JAMMAWI DOA          &amp; delivery of certificates to workshops' participants</p>
<b>17:40</b>	<p style="text-align: center;">Pickup and transfer to the Hotel</p>
<b>20:20</b>	<p style="text-align: center;">Pickup at Hotel and transfer to Dinner Gala</p>
<b>20:30</b> <b>24:00</b>	<p style="text-align: center;"><b>Dinner Gala at the HISHAM HOTEL, Amman</b>          Ceremony for the presentation of the  <b>WATCH International AWARD 2017</b></p>
<b>24:00</b>	<p style="text-align: center;">Pickup and return to the Hotel</p>
	<p style="text-align: center;"><b>See you at STAC9</b>  <b>December 2018</b></p>