



NATURAL DISASTERS AND CULTURAL HERITAGE IN THE PHILIPPINES: KNOWLEDGE SHARING, DECISION MAKING AND CONSERVATION

TUESDAY 4 APRIL TO THURSDAY 6 APRIL, 2017
BOHOL, PHILIPPINES



THE 5TH APTCCARN MEETING IN 2017
NATIONAL MUSEUM, PHILIPPINES

**APT
CARN**

ASIA PACIFIC
TROPICAL CLIMATE
CONSERVATION ART
RESEARCH NETWORK

**Asia Pacific Tropical Climate Conservation Art Research Network
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**The Grimwade Centre for Cultural Materials Conservation,
School of Historical and Philosophical Studies, Faculty of Arts
University of Melbourne, 3010, Australia**

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COMMITTEES & SUPPORTERS

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Dr Rujaya Abhakorn, Centre Director, SEAMEO Regional Centre for Archaeology and Fine Arts (SEAMEO SPAFA)

5th APTCCARN Organising Committee

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Mr Angel P. Bautista, Acting Assistant Director, National Museum, Philippines

Ms Maria Eliza Agabin, Programme and Executive Assistant, SEAMEO Regional Centre for Archaeology & Fine Arts, Thailand

Ms Hatthaya Siriphatthanakun, Specialist in Cultural Heritage Conservation, SEAMEO Regional Centre for Archaeology & Fine Arts, Thailand

Engineer Jainab Aimee Tahil-Altillero, Head, Research, Collections and Conservation Division, National Museum, Philippines

Dr Nicole Tse, Senior Lecturer & Academic Coordinator, Grimwade Centre for Cultural Materials Conservation, School of Historical and Philosophical Studies, Faculty of Arts, University of Melbourne, Australia

Ms Rosie Cook, Cultural Materials Conservator, Asialink Arts Resident, Taiyuan Asian Puppet Theatre Museum, Taiwan

Ms Sabine Cotte, PhD Candidate, Grimwade Centre for Cultural Materials Conservation, School of Historical and Philosophical Studies, Faculty of Arts, University of Melbourne, Australia

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Ms Melissa Agulan

Ms Sunshine Blanco

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‘Natural Disasters and Cultural Heritage in the Philippines: Knowledge Sharing, Decision Making, and Conservation’ is supported by the Australian Government through the Australian-ASEAN Council of the Department of Foreign Affairs and Trade.

National Museum

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WELCOME MESSAGE

FROM THE 5TH APTCCARN ORGANISING COMMITTEE

DR ANA LABRADOR
*FOUNDING MEMBER APTCCARN,
ASSISTANT DIRECTOR, NATIONAL
MUSEUM*

DR NICOLE TSE
*FOUNDING MEMBER, APTCCARN AND
THE GRIMWADE CENTRE FOR
CULTURAL MATERIALS
CONSERVATION, UNIVERSITY OF
MELBOURNE*

CLAIRE GRECH
*5TH APTCCARN ORGANISING
COMMITTEE AND PHD CANDIDATE,
GRIMWADE CENTRE FOR CULTURAL
MATERIALS CONSERVATION,
UNIVERSITY OF MELBOURNE*

Welcome to the 5th APTCCARN Meeting in Tagbilaran City, Province of Bohol, hosted by the National Museum, Philippines, in collaboration with the Grimwade Centre for Cultural Materials Conservation, the University of Melbourne and the Southeast Asian Ministers of Education Organization Regional Centre for Archaeology and Fine Arts (SEAMEO SPAFA).

Since the Asia Pacific Tropical Climate Conservation Art Research Network's (APTCCARN) inauguration in 2009 at the Balai Seni Visual Negara (National Visual Art Gallery in Malaysia), we have held meetings at the University of Melbourne in Australia, Silpakorn University in Thailand, and Cheng Shui University in Taiwan. APTCCARN was established in recognition of the need to support a geographically focussed practice of cultural materials conservation in the Asia Pacific and a maturing discipline. Over eight years APTCCARN has built a community of practice from which approaches are emerging and revealing important information about the culture and conditions in the region. It was during the 4th Meeting in Taiwan that the impetus for this meeting arose, where delegates felt the urge to take the knowledge that had been shared and take action in an area of significant need.

This meeting's focus on the effect of natural disasters on cultural heritage, people, and places is more than pertinent. Here in the Province of Bohol, Philippines, the impact of the 2013 earthquake at 7.2 magnitude is clearly evident, which was soon followed by Typhoon Haiyan and its devastating effects across the Philippines. During the forum, we will hear the stories of the real events, journeys, and future aspirations, being central to the lives of Boholanos. Cultural materials conservation only has purpose as a mindful community of practice and one that is engaged with people, diverse communities, and the global society. So the intended focus of the 5th APTCCARN forum is on people-to-people linkages across a diverse range of skills, capabilities, and experiences of cultural heritage recovery and disaster management, in Bohol, Southeast Asia, and beyond. This is critical to the salvage, rehabilitation, and sustained management of Bohol's cultural assets and heritage, and assets wider afield that will be presented here at the forum.

We know that Southeast Asian nations continue to be among the most vulnerable to climate change, including increases in frequency and severity of extreme weather events. Reported

disasters have risen sharply in the recent decade according to the World Disasters Report 2005 of the International Red Cross 2005. The Asia-Pacific region itself is 'highly vulnerable to the impacts of climate change and natural hazards' and the Asian Development Bank has 'pointed out that 'heat waves, droughts, floods, and tropical cyclones have been more intense and frequent, causing extensive damage to property, assets, and human life' (Parr, La Viña & Henry 2016, p. 2). While in 2013, most forum participants would know that the Philippines was ranked on the Global Climate Risk Index as the most affected country by extreme weather events, and was ranked 5th overall on a twenty-year time scale (1994-2013). People, places and cultural assets are vulnerable, subject to unpredictable events and uncertainty, which strikes at the core aims of cultural materials conservation, and what we hope to sustain and manage.

So this forum, led by community knowledge holders and cultural heritage practitioners, aims to share recent experiences of natural disasters and cultural heritage recovery projects to communicate and generate ideas around cultural heritage management and its associated uncertainties. With a primary focus on movable cultural heritage, discussions and presentations will include active participation and learning for Asian Pacific participants working in the field of cultural heritage and education, as well as local and international heritage professionals, interested individuals, and Parish communities. It is through these study visits, sharing sessions, group activities and presentations, that meaningful exchanges will take place, and strengthen and expand the APTCCARN network.

The 5th APTCCARN Committee is delighted that the National Museum is hosting this event. Dr Ana Labrador and the local organising committee have worked tirelessly over the past year to arrange the event details to its perfection. Hosting an international event like this takes a lot of commitment and attention to detail, and we deeply thank them. We thank Dr Rujaya Abhakorn, Centre Director of SEAMEO SPAFA, and staff for his opening speech and engaging vision of cultural heritage in the region. Further thanks is extended to our Keynote Speaker, Father Milan Ted Torralba. We thank the Province of Bohol, the parishes of Maribojoc, Cortes, Antequera, and Baclayon for hosting us, and insightful welcome speeches from Governor Edgardo Chatto, and of course Cabinet Secretary Leoncio Evasco Jr, known for his strong and faithful presence in Bohol. Lastly thank you to Diocese of Bohol and Bishop Alberto S. Uy for supporting the forum and making us feel welcome, and our major sponsor the Australian ASEAN Council. Thank you to all speakers, chairs and participants for attending the 5th APTCCARN Meeting on 'Natural disasters and cultural heritage in the Philippines: Knowledge Sharing, Decision Making and Conservation'. We look forward to the sharing of knowledge and future exchanges.

References

- Kreft, S, Eckstein, D, Junghans, L, Kerestan, C & Hagen, U 2015, *Global Climate Risk Index 2015 Who suffers most from extreme weather events? Weather-related loss events in 2013 and 1994 to 2013*, Briefing Paper, GermanWatch e.V., 32pp, <<http://germanwatch.org/en/download/10333.pdf>>
- International Red Cross 2005, World Disasters Report, International Red Cross.
- Parr, B, La Viña, AGM & Henry, D 2016, *Philippines climate change agenda: High vulnerability! High ambition?*, Briefing Paper 4, Melbourne Sustainable Society Institute, 16pp, < www.sustainable.unimelb.edu.au>.

GENERAL INFORMATION

Venue

The 5th APTCCARN Meeting will be held at the MetroCentre Hotel in Tagbilaran City, C.P. Garcia North Ave, Tagbilaran City, 6300 Bohol, Philippines.

Getting Around

During the forum all transport will be arranged, and transit to and from your accommodation if you are staying at the MetroCentre Hotel. Many buses, jeepneys, tricycles, Grab Taxis, Uber and private vans are available for transport in and around Tagbilaran City.

Registration Desk

Conference attendees are to register at the Registration Desk of the conference venue on the morning of each day between 8 and 8:30.

Name Badges

All delegates will be given a name badge upon registration. We ask that you wear your name badge at all times. This name badge is the official entry pass to all sessions, site visits, teas and lunches.

Speakers

Please report to the Registration Desk on the morning of your presentation for further details. For advance submission of your presentation you can email it to Dr Nicole Tse (nicoleat@unimelb.edu.au).

Food & Drinks

Morning and afternoon tea, and lunch are provided as part of your registration. Two dinners will be held during the conference, located at Bee Farm, Dauis, and Alta Bohol.

Site Visits

Site visits will include some walking outside for data collection and observations; for the afternoon session of Day 1 it is suggested to bring an extra pair of comfortable shoes and a shirt to wear after the AM session, and on Day 2 comfortable shoes and outfit are suggested.

Group Presentations

Following the conference dinners on Day 1 and 2, the National Museum, Tagbilaran branch will be open 24 hours for delegates to work in their groups to produce their presentations. Please let NM Staff know on the day if you wish to do so.

Social media

We encourage the use of social media during the Meeting to share your experiences with your networks, the official hashtag is **#aptccarn5** and can be used across all platforms.

Find us at:



@aptccarn



@aptccarn_



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PROGRAM

DAY 1 - TUESDAY, 4 APRIL

8:00 - 8:30	Registration	Registration at MetroCentre and transport to Maribojoc from 8 am onwards (late registration available at Maribojoc 8:45 - 9:00)
8:00 onwards	Transport to Maribojoc	
9:00 - 9:15	Invocation	Bishop Alberto S. Uy <i>Diocese of Bohol</i>
	National Anthem	
9:15 - 9:30	Welcome Remarks	Governor Edgardo Chatto <i>Province of Bohol</i>
	Introduction to the Guest of Honor	
9:30 - 9:45	Message	Sec. Leoncio Evasco Jr. <i>Cabinet Secretary and Chairman of the Housing and Development Coordinating Council</i>
	Photo Session	
9:45 - 10:00	Program Themes	Dr Rujaya Abhakorn <i>Centre Director, SEAMEO Regional Centre for Archaeology and Fine Arts (SEAMEO SPAFA), Thailand</i>
10:00 - 10:15	Program Overview	Dr Nicole Tse <i>Senior Lecturer & Academic Coordinator, Grimwade Centre for Cultural Materials Conservation, University of Melbourne, Australia</i>
10:15 - 10:45	Site Background	Mr Angel Bautista <i>Acting Assistant Director and Task Force Bohol Restoration Program, National Museum, Philippines</i>
10:45 - 11:00	Morning Tea	
11:00 - 11:30	Group Assignments	Mr Robert Balarbar <i>Museum Researcher II, Fine Arts Division, National Museum, Philippines</i>
11:30 - 11:45	Site Briefing	
11:45 - 12:00	Open Forum	
12:00 - 13:00	Lunch	
13:00 - 13:15	Preparation for Site Visits	Group 1 - Maribojoc Church NM Guides: Athena & Michelle Group 2 - Cortes Church NM Guides: Charlemeine & Sunshine Group 3 - Antequera Church NM Guides: Engr. Joel & Camille

13:15 - 13:45	Group Travel to Site Visits	<p>Group 1 - Maribojoc Church NM Guides: Athena & Michelle</p> <p>Group 2 - Cortes Church NM Guides: Charlemeine & Sunshine</p> <p>Group 3 - Antequera Church NM Guides: Engr. Joel & Camille</p>
13:45 - 15:30	Site Visits	
15:30 - 16:30	Group Planning (including Afternoon Tea)	
16:30 - 17:00	Travel to Daus	
17:00 - 17:15	Rest	
17:15 - 17:30	Recap of Day 1	<p>Mr Robert Balarbar <i>Museum Researcher II, Fine Arts Division, National Museum, Philippines</i></p>
17:30 - 19:00	Conference Dinner	Bee Farm Restaurant, Daus, sponsored by the Roman Catholic Diocese of Tagbilaran
19:00 onwards	Group work	The NM Tagbilaran branch will remain open for delegates who wish to continue working on their presentations, please inform NM Staff if you wish to do so

DAY 2 - WEDNESDAY, 5 APRIL

8:00 - 8:30	Registration	
8:30 - 8:50	Welcome and Introduction of Keynote Speaker	<p>Mr Jeremy R. Barns. <i>Director, National Museum, Philippines</i></p>
8:50 - 9:30	Keynote Address	<p>Father Milan Ted Torralba <i>Episcopal Commission for the Cultural Heritage of the Church, Catholic Bishops' Conference of the Philippines, Philippines</i></p>
9:30 - 9:45	SEAMEO-SPAFA Session, chaired by Ms Eliza Agabin	<p>The Need for Emergency Planning and Disaster Management</p> <p>Mr Zamrul Amri bin Zakaria <i>Conservator, Department of Museums Malaysia, Malaysia</i></p>
9:45 - 10:00		<p>Bagan Cultural Heritage Region and Earthquake</p> <p>Mr Thein Lwin <i>Deputy Director General, Department of Archaeology and National Museum, Republic of the Union of Myanmar</i></p>

10:00 - 10:15		Disaster of Cultural Heritage in Thailand Ms Puangporn Srisomboon <i>Conservation Scientist, Conservation Science Division, the Fine Arts Department, Ministry of Culture, Thailand</i>
10:15 - 10:30	SEAMEO-SPAFA Session, chaired by Ms Eliza Agabin	Disaster Risk Reduction, Case Study: Archaeological Preservation Office of Central Java Ms Septina Wardhani <i>Cultural Properties Preservation Office of Central Java, Ministry of Education and Culture, Republic of Indonesia</i>
10:30 - 10:45		The Complex of Hue Monuments - the World Cultural Heritage in Response to Natural Disasters Ms Thi Anh Van Huynh <i>Director, Hue Museum of Royal Antiquities, Hue Monuments Conservation Centre, Socialist Republic of Vietnam</i>
10:45 - 11:00		Morning Tea
11:00 - 11:15	Local Experts Session, chaired by Claire Grech	Cartography of Old Informs the New Professor Maricor Soriano <i>National Institute of Physics, University of the Philippines Diliman, Philippines</i>
11:15 - 11:30		Documentation of Church Heritage Objects: A Premise to Disaster Preparedness (Ecclesiastical Textiles) Ms Maria Lourdes Po <i>Conservator, Museo ng Arkidiyosesis ng Maynila, Philippines</i>
11:30 - 11:45		Disaster Preparedness and Conservation of Recovered Records Ms Josephine G. Francisco <i>Head, Conservation Laboratory, Agustinus Recoletos, Inc., Philippines</i>
11:45 - 12:15		Open Forum Mr Robert Balarbar <i>Museum Researcher II, Fine Arts Division, National Museum, Philippines</i>
12:15 - 13: 15	Lunch	MetroCentre Hotel
13:15 - 14:30	Breakout Sessions	Groups to work on their Presentations
14:30 - 15:00	Travel to Baclayon Church	

15:00 - 15:15	Sharing Session	The Immaculate Conception Parish of Baclayon: A Rich Cultural Record Dr Nicole Tse <i>Senior Lecturer & Academic Coordinator, Grimwade Centre for Cultural Materials Conservation, University of Melbourne, Australia</i>
15:15 - 15:30	Sharing Session	Conservation of Baclayon Parish Museum Collection Engr. Larry Cruz Chief Conservator, National Historical Commission of the Philippines, Philippines
15:30 - 16:30	Site Visit	Baclayon Parish Museum
16:30 - 17:15	Recap of Day 2 & Afternoon Tea	Engr. Jainab Aimee Tahil-Altilero <i>Head, Research, Collection, and Conservation Management Division, National Museum, Philippines</i>
17:15 - 17:30	Rest & Transfer to Alta Bohol	
17:30 - 20:00	Conference Dinner	Alta Bohol, sponsored by the Provincial Government of Bohol
20:00 onwards	Group work	The NM Tagbilaran branch will remain open for delegates who wish to continue working on their presentations, please inform NM Staff if you wish to do so

DAY 3 - THURSDAY, 6 APRIL

8:00 - 8:30	Registration	
8:30 - 8:45		Contemporary Collections and the Brisbane Floods of 2011 Anne Carter <i>Paintings Conservator, Queensland Art Gallery Gallery of Modern Art, Australia</i>
8:45 - 9:00	Session chaired by Rosie Cook and Athena Vitor	Build back better: ICCROM capacity building workshops in Nepal Aparna Tandon¹, Mimi Pradhan², Neelam Pradanangha³, Heba Helmy^{4,5} & Sabine Cotte^{5,6} <i>¹Project Specialist, Collections Unit, ICCROM, ²Curator, Chhauni National Museum, Federal Democratic Republic of Nepal, ³ICOMOS Nepal, ⁴Conservator, Member of the Egyptian Heritage Rescue Foundation, ⁵ICCROM Consultant, ⁶PhD Candidate, Grimwade Centre for Cultural Materials Conservation, University of Melbourne</i>

9:00 - 9:15		Queensland Disaster Information Network (Q-Dis) - Resources & Training Christine Ianna <i>Coordinator, Publications Reformatting, State Library of Queensland, Australia</i>
9:15 - 9:30	Session chaired by Rosie Cook and Athena Vitor	The Situation of Thailand Local Museums: Focus on Conservation and Preservation Knowledge Ms Pattayarach Thamwongsa¹ & Ms Wanvisa Woraward² <i>¹Senior Knowledge Management Officer, ²Knowledge Management Officer, both Museum Network Development, National Discovery Museum Institute, Thailand</i>
9:30 - 9:45		Developing At-Distance Support for Effective Risk Management and Disaster Preparedness and Response Professor Robyn Sloggett <i>Director, Grimwade Centre for Cultural Materials Conservation, University of Melbourne, Australia</i>
9:45 - 10:00		Mr Robert Balarbar <i>Museum Researcher II, Fine Arts Division, National Museum, Philippines</i>
10:00 - 10:15	Morning Tea	
10:15 - 11:15	Group Work	Finalise presentations
11:15 - 11:30	Session chaired by Sabine Cotte	Group 1 Presentation
11:30 - 11:45		Group 2 Presentation
11:45 - 12:00		Group 3 Presentation
12:00 - 13:00	Lunch	MetroCentre Hotel
13:00 - 13:15	Sharing Session	National Museum Bohol Experiences Mr Robert Balarbar <i>Museum Researcher II, Fine Arts Division, National Museum, Philippines</i>
13:15 - 13:30	Project Update	Project Status of the Restoration and Conservation of La Inmaculada Concepcion Church, Guiuan, Eastern Samar Engr. Jainab Aimee Tahil-Altilero <i>Head, Research, Collection, and Conservation Management Division, National Museum, Philippines</i>
13:30 - 13:45	Open Forum	Ms Sabine Cotte <i>PhD Candidate, Grimwade Centre for Cultural Materials Conservation, University of Melbourne, Australia</i>

13:45 - 14:00	Forum Wrap-Up	Dr Nicole Tse <i>Senior Lecturer & Academic Coordinator, Grimwade Centre for Cultural Materials Conservation, University of Melbourne, Australia</i>
14:00 - 14:15	Closing Remarks	Dr Ana Labrador <i>Assistant Director, National Museum, Philippines</i>
14:15 - 14:45	Presentation of Certificates	Certificates to be presented to Speakers by Dr Ana Labrador
14:45 - 15:00	Photo Session	
15:00 - 15:15	Afternoon Tea	
15:15 onwards	Departure of Delegates	

ABSTRACTS

The Need for Emergency Planning and Disaster Management

Mr Zamrul Amri bin Zakaria

Conservator, Department of Museums Malaysia, Malaysia

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Lately, as global phenomenal change the structure of landforms and climate, many disasters occur without any warning. Among the disasters are earthquakes, tornadoes, giant waves, volcanic actions etc. These unpredictable natural disasters can threaten our cultural heritage and would be costly in term of damage and loss of material, equipment and systems. Fortunately, museums and ancient monument sites in Malaysia have not encountered the danger of typhoons, volcanic actions, or earthquakes, and so far have only faced danger from accidental fires, and floods. Although devastation has not occurred in museums yet, it is still an essential requirement to come up with an emergency plan and practice disaster preparedness. Emergency planning for disaster management at the Department of Museums Malaysia has not yet been written up as policy. However, curator and museums personnel have been exposed to, and are familiar with general guidelines for response and recovery of objects. Numerous workshop and training on disaster management have been conducted in the museum. Discussions on these particular topics will certainly broaden the knowledge and awareness to museum personnel and staff.

Bagan Cultural Heritage Region and Earthquake

Mr Thein Lwin

Deputy Director General, Department of Archaeology and National Museum, Ministry of Religious Affairs and Culture, Republic of the Union of Myanmar

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Bagan is the heart land of Myanmar people and a Pilgrimage Centre, with a group of over 3000

ancient monuments from the Bagan period, belonging to 11th century to 13th century AD. All monuments are mostly built from brick, and decorated with stucco carvings and mural paintings on the interior and exterior of every ancient monument. According to life span most of monuments are deteriorating by various threats like tourism impact, disaster management and vandalism. On 24th August 2016, a 6.5 magnitude Earthquake hit the Bagan region, with an epicentre 12 miles west of Chauk city. A total of 389 monuments are considered to have been damaged to varying degree within the Bagan Heritage Area. Though prioritisation will be required to conserve and rehabilitate the monuments, a policy must be followed to consider all monuments to be important and efforts are taken to safeguard them. Experts from Department of Archaeology and National Museum and other Institutions, NGOs and UNESCO were providing and carrying out rehabilitation of the cultural monuments for their permanent and long-term protection.

Disaster of Cultural Heritage in Thailand

Ms Puangporn Srisomboon

Conservation Scientist, Conservation Science Division, the Fine Arts Department, Ministry of Culture, Thailand

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Thailand lies entirely in the region of tropical and monsoonal climate. The climate is characterised by uniformly high temperatures and heavy rainfall for most part of the year. The average annual rainfall for the whole country is over 1400 mm. Rainy season is the longest period, lasting from May through October. During rainy season some parts of Thailand are occasionally overwhelmed by typhoons from the east or the southeast. The winds, rains and high tides sometimes cause flood. The most problematic disaster in Thailand is heavy rain storms. Unfortunately, some places affected by flooding also contain cultural heritage, including archaeological sites, historic sites and ancient

artefacts in museums. For example, in 2011, the North of Thailand experienced a heavy rain storm and a great amount of water flowed through from the sea. During that, the middle of Thailand was also affected by flooding for 3 months, so cultural heritage in this region suffered from deterioration, especially ancient artefacts in National Museums such as ancient wood bookcases, stucco objects, bronze objects, etc. After that, process of conservation for all ancient artefacts in National Museum were treated, repaired and preserved by scientists from Conservation Science Division, the Fine Arts Department.

Disaster Risk Reduction, Case Study: Archaeological Preservation Office of Central Java

Ms Septina Wardhani

Cultural Properties Preservation Office of Central Java,
Ministry of Education and Culture, Republic of Indonesia

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Composed of thousands of Islands, Indonesia is circled by the most active earthquake lines in the world namely the Pacific Ring of Fire. In the country, collision of three continental plates occurs. This placement results in disasters due to volcanic eruptions, earthquakes, and tsunamis across the Indonesian Archipelago. The high frequency and great impact of the disasters that happened in Indonesia have given rise to a potential loss of cultural heritage for society and for the nation of Indonesia. Central Java in particular has experienced natural disasters several times that have damaged movable cultural heritage.

In principle, disaster management consists of three stages, namely pre-disaster, emergency response and post-disaster. The stage of Pre Disaster mitigation has an objective to reduce the risk of damage to the cultural heritage collection. The stage of emergency response has an objective to minimise the risk to cultural heritage from further damage. The stage of post-disaster has an objective to recover from the damage to cultural heritage. Different causes of damage need different recovery handling.

Based on previous experience, the preservation of movable and unmovable cultural heritage should consider risk reduction of damage due to disaster.

The Complex of Hue Monuments – the World Cultural Heritage in Response to the Natural Disasters

Ms Thi Anh Van Huynh

Director, Hue Museum of Royal Antiquities, Hue Monuments Conservation Centre, Socialist Republic of Vietnam

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Natural disasters in diverse forms including the effects of climate change are on the increase and their impacts on the life of people as well as our heritage resources (including movable cultural heritage) should be carefully studied to be responded, mitigated and prepared for a good recovery. At the same time, investing in risk preparedness before the disaster can avoid spending large sums of money in post-disaster recovery stage. Furthermore, it has been recognised through experiences in the adaptation to the specific features of the heritage. In this process, the traditional knowledge systems embodied in physical planning and construction can be useful for mitigation purposes, as can local management systems and ecological management, which not only prevent or mitigate the impact of disasters, but also provide sufficient coping mechanisms to deal with post-disaster situations. The presentation is to give an example in which the complex of Hue monuments – the World Cultural Heritage and its cultural landscape as well as its treasures of thousands of antiquities are taken as an example to understand how the heritage managers, conservators and local people cope with natural disasters with tools, activities, guidance, various forces and people

Cartography of Old Informs the New

Professor Maricor Soriano

National Institute of Physics, University of the Philippines
Diliman, Philippines

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Spanish era maps of Philippine towns may not be as accurate as modern maps but they can convey the presence of inland bodies of water that may have vanished in the present. These lost bodies of water are possible flooding hazards during extreme rainfall events. Because of their loose sediments they are also liquefaction and amplified ground shaking hazards during earthquakes. Local governments, city planners, builders and residents must be warned of the dangers of building structures on top of lost lagoons, swamps, channels, and estuaries. Our project aims to overlay digitized Spanish era maps with Google maps to find lost waterways and other bodies of water. We use historical roads that have survived to the present as ground control points to align the historical map with the present map. Sites where lost bodies of water are identified are visited for ground validation. In some cases, Google Street View is sufficient to crosscheck sites. We present preliminary results for Metro Manila and Cebu.

Documentation of Church Heritage Objects: A Premise to Disaster Preparedness (Ecclesiastical Textiles)

Ms Maria Lourdes Po

Conservator, Museo ng Arkidiyosesis ng Maynila, Philippines

Cultural heritage objects are significant tangible attributes of the past, and their preservation is essential and maintained in the present as recognition of their necessity for the benefit of future generations. Ecclesiastical textiles are part of the tangible cultural heritage of the Church. Documentation develops knowledge and understanding of these heritage objects. It is essential for their preservation and protection, where documentation is a basis for appropriate disaster planning, response & recovery. This presentation aims to convey the primary

objectives of documentation as premise to disaster preparedness. It also discusses documentation in the context of the Catholic Church, basic documentation principles, and present a nomenclature of ecclesiastical textiles to aid in the documentation process.

Disaster Preparedness and Conservation of Recovered Records

Ms Josephine G. Francisco

Head, Conservation Laboratory, Agustinus Recoletos Inc., Philippines

Emphasis shall be given to the emergency response during calamities and disasters in terms of the safeguarding of the recovered collections on paper including documents, archival materials, books, prints, drawings, photographs, etc. The elements which attack the paper shall be mentioned in brief, including factors which have an aggravating effect. Practical measures to take in order to prevent paper deterioration, and simple preservation techniques which can be practiced by the custodians of these collections shall be covered.

Baclayon Parish and Church Cultural Heritage

Dr Nicole Tse

Senior Lecturer and Academic Coordinator, Grimwade Centre for Cultural Materials Conservation, School of Historical and Philosophical Studies, Faculty of Arts, University of Melbourne

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Ecclesiastical collections of panel paintings, retablos, Santos, archives, religious vestments and musical cantoralles in the Immaculate Conception Parish of Baclayon, are central to the Parish community's beliefs. While regular visitation to the Museo of Baclayon, has secured a place for the collections with cultural tourism generating sustainable and economic benefits for the community. Their place is important. The Parish, however resides close to the sea where risks from natural disasters are conceivable and the environmental conditions for the collections maybe undesirable. But unlike other Church buildings across the Province of Bohol, the Parish of Baclayon survived and was relatively intact after the 2013 earthquake, highlighting its

good fortune and its increased rarity. So this bring us to questions of vulnerability of ecclesiastical collections. If they have survived, will they survive again or will the laws of probability and the second law of thermodynamics take precedence? Today I'll address some of these ideas and how cultural materials conservation can best support the longevity of church collections but also engage accept its purpose and place in these times of unpredictability.

Contemporary collections and the Brisbane floods of 2011

Anne Carter

Senior Paintings Conservator, Queensland Art Gallery | Gallery of Modern Art, Australia

anne.carter@qagoma.qld.gov.au

In 2011, severe weather events produced flooding in many parts of Queensland, Australia. In the capital city of Brisbane, the cultural precinct is located on a floodplain of the Brisbane River. When the river broke its banks, the Queensland Art Gallery | Gallery of Modern Art (QAGOMA), the State Library of Queensland, the Queensland Museum, and the Queensland Performing Arts Centre, as well as surrounding areas, was inundated with water. The flood was uncharacteristic as it not only broke its banks, but water backfilled drains, and many low lying areas away from the river bank also flooded. Fortunately, no QAGOMA artworks were directly damaged from flood water. This presentation describes response to the flooding and the lessons learnt in relation to salvage of modern and contemporary art.

Build back better: ICCROM capacity building workshops in Nepal

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After the 25 April 2015 earthquake, Nepal adopted build back better (not only recover, but reduce future disaster risks) as a guiding principle for the recovery and reconstruction. This paper describes how this was put into practice in a capacity-building workshop held by ICCROM (with the support of the Norwegian Ministry of Climate and Environment and of UNESCO-Kathmandu Office) in early 2016 at the National Museum of Nepal. One outcome was the creation of a visible but secure storage space to re-house a displaced collection, with an aim to attract visitors in greater numbers to the museum.

A building that housed a historic collection had partially collapsed, causing emergency displacement of the collection to the floor of adjacent galleries. 27 participants drawn from 10 museums that were affected by the earthquake, gathered on site to document, clean, stabilise and rehouse safely in a visible storage 300 selected objects of the affected collection. The notions of risk assessment and management, capacity utilisation, recycling, responsible use of materials, maintenance of facilities and rehoused objects, and lateral thinking in creative use of available materials were all embedded in this 6-day exercise. Storytelling, space management and information graphic design sessions enabled the creation of this 'storage with a message' presented in guided tours at the end to officials, sponsors and potential donors.

Since then, the rest of the collection (3000 objects) has been successfully moved to the new storage by the National Museum team, and other participants are planning similar projects for their respective institutions. Overall, this project provided an economically viable model for the post disaster recovery, rehousing of collections and contributed in creating awareness of how much potential in terms of public impact lay in creating greater access to collections held in museum storages.

Queensland Disaster Information Network (Q-Dis) – Resources & Training

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The Queensland Disaster Information Network (Q-Dis) <http://manexus.ning.com/group/qdis> was launched in December 2010 as a cross-sectoral discussion group for sharing information on disaster preparedness and planning. In response to the large scale weather events that impacted on Queensland and other neighbouring states shortly after its launch it rapidly evolved into a hub for posting news and updates on whom and what had been affected by the unprecedented weather events that impacted Queensland in the first weeks of 2011. Information posted to the site could be either sector specific or more general. It included links related to the salvage of specific materials and calls for volunteers to assist in a specific recovery project as well as media releases and information on disaster relief and funding programs as soon as they became available. The presentation will include a brief case study of the benefits of introductory training and having ready access to even a small amount of recovery materials and resources <http://manexus.ning.com/group/qdis/forum/topics/2012-stories-from-the-qld-floods>.

The Situation of Thailand Local Museums: focus on Conservation and Preservation Knowledge

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Between 2005 and 2009, the National Discovery Museum Institute (NDMI) launched a survey project on “Thailand Museum and Learning Center Database”. It aimed to survey the overall museum resources, including location, exhibition and display, museum administration, audience and service, collection management, storage, and problems of each museum. NDMI found 800

local museums all over the country, which had been set up by government agencies, private individuals, temples and local communities. To expand the Thailand Museum Database, Sirindhorn Anthropology Center (SAC) has continuously worked with the surveying since 2003. To date, they have found 1447 local museums in Thailand, of which 544 museums focus on local lifestyle and wisdom. The increasing number of museums in Thailand can be attributed to the popularity of museums in Thailand, however, most of the museums simply collect and display objects. The database revealed that the major problems are the lack of collection management systems and conservation and preservation knowledge, problems due to weather, and inappropriate storage conditions. To solve the issues, NDMI produced the TV program “Pipit Pleon” and dedicated one section for Conservation. Currently, NDMI publishes the Conservation Newsletter and Conservation books (Thai Edition) and organizes a Training course on Preservation and Conservation knowledge for local museums and communities. Due to the limited amount of time, budget constraints, ability and manpower, we could not fill the needs of knowledge. NDMI is still looking for the appropriate way to address Cultural Materials Conservation for the largest number of small local museums. We also hope to build awareness on caring for the objects among local museums and encourage conservation knowledge exchange.

Developing At-Distance Support for Effective Risk Management and Disaster Preparedness and Response

Professor Robyn Sloggett

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Three things are required for effective response to a disaster; access to skills, access to knowledge and access to infrastructure including materials and equipment. While good disaster preparedness involves putting these in place prior to the disaster, at the time of the

disaster opportunities and needs may be very different and shift quickly. APTCCARN provides the model for an effective and sustained network, and the skills base within APTCCARN provides skills and resources that can be utilised in an emergency. The sustained work by SEAMEO-SPAFA in disaster preparedness and the recent experience in the Philippines of disaster response provide strong basis for a consolidated approach. Nevertheless, when a disaster strikes that most effective of tools, communication, is often the most difficult to achieve. Citing a number of case studies that involve research, community and engagement and critical response, this presentation investigates strategies that could be implemented through the APTCCARN network to build a resilient and sustainable networked resource available for effective disaster response.

National Museum Bohol Experiences

Mr Robert Balarbar

Museum Researcher II, Fine Arts Division, National Museum, Philippines

The application of the principles of “Teamwork for Integrated Emergency Management” (TIEM) on the NM declared National Cultural Treasure (NCT) churches and collection affected by the earthquake. Activities were focussed on cleaning/clearing the architectural and structural elements, its preliminary proximate analyses, collections retrieval and salvage recovery and first aid conservation measures. Due to lack of facilities, conservation requirements and man-power on the affected churches preventive conservation measures had to be carried out over a longer time scale. Liturgical collections damaged included; wood (structure and objects), textiles, paper/books, painting on wood and metal sheets, metals and stone masonry and conservation treatment were done in-situ and temporary storage areas.

Project Status of the Restoration and Conservation of La Inmaculada Concepcion Church, Guiuan, Eastern Samar

Engr. Jainab Aimee Tahil-Altillero

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The Restoration and Conservation of La Inmaculada Concepcion Church Project in Guiuan, Eastern Samar, funded by the U.S. Embassy, is an on-going project of the National Museum. Retrieval of moveable cultural heritage was conducted after the disaster in 2013 and prior to restoration of the church structure. The project was temporarily put on hold, but recommenced in 2016. The reorganised committee was composed of an interdisciplinary team, including, but not limited to Anthropologists, Archaeologists, an Engineer, a Botanist, and Zoologist. The newly formed NM team initially conducted reconnaissance to find data that could be used to inform the restoration and conservation of the church, such as prospective resources like seashells, local artists, intangible heritage information, etc. The collections are currently housed in a temporary storage facility adjacent to the site of the on-going restoration project. They are also being prepared for its eventual restoration. The collection ranges from wooden retablos, niches, santos, shell ornamentations, paintings on wood, canvas, and galvanised iron sheets, pillars, etc. To date, the conservation is still on-going and shall continue until completion of the church where the objects will be housed or restored. Conservation protocols include proper handling, construction of racks, safekeeping at the storage facilities, etc. The structural integrity, environmental factors, and use of limited interventions are among the issues considered in their treatment, in order to ensure their ongoing preservation.

SPEAKER PROFILES

Dr M.R. Rujaya Abhakorn is the Centre Director for SEAMEO Regional Centre for Archaeology and Fine Arts (SEAMEO SPAFA).

Engr. Jainab Aimee Tahl-Altilero is the Chief Administrative Officer of Facilities Management Division of the National Museum, and currently the OIC of the Research, Collections and Conservation Management Division. She is a member of the Philippine Institute of Civil Engineers, and has more than 25 years experience in the conservation of heritage sites. She has a Masters degree in Construction Management, a PhD candidate in Technology Management, and is certified in Materials Engineering by the Department of Public Works and Highways. Previous roles have included the OIC of the Cultural Properties Conservation Division of the Intramuros Administration, Board Trustee of Gokongwei College of Engineering at De La Salle University-PUSO, and numerous consulting positions to government institutions. She has presented her research internationally, and received an Honourable Mention distinction by the UNESCO Asia-Pacific Heritage Awards for Culture Heritage Conservation for the restoration of 1917 Gota de Leche building. She is a committee member in charge of the Restoration and Conservation of La Inmaculada Concepcion Church in Guiuan, Eastern Samar.

Robert Balarbar holds a Bachelor of Science in Chemical Engineering and Masters in Business Administration. He supervises the preservation of its moveable heritage collections and special conservation projects, including those retrieved from sites devastated by the October 2013 earthquake in Bohol. As a conservation scientist, he conducts materials analyses for

appropriate conservation methodologies and formulation requirements.

Jeremy R. Barns, is Director of the National Museum, Philippines, which encompasses collections ranging from natural history to archaeology, ethnology and fine arts. He is also in-charge of its flagship museum precinct in Manila, comprising National Museums of Fine Arts, Anthropology, Natural History, as well as the National Planetarium. Moreover, he is responsible for its 15 regional museums and archaeological sites all over the country and advocates for the protection of built and moveable heritage. Mr Barns is an economist by training but is a historian by avocation and has published and co-written a number of books in political history and heritage sites.

Angel P. Bautista is Acting Assistant Director and Chief Administrative Officer of the Cultural Properties and Regulations Division at the National Museum, Philippines. He holds a Bachelor of Science in Zoology from Far Eastern University, and a Master of Science with a specialisation in Zooarchaeology from the University of Santo Tomas. He holds further qualifications in Archeology, and Zooarchaeology and Vertebrate Palaeontology from the Institute of Southeast Asian Studies (Aixen-Provence, France) and Musee National D'Histoire Naturelle (Paris, France) respectively. He is a Professorial Lecturer at the University of Santo Tomas, Manila, and has previously held this position at the University of the Philippines. He has been involved in numerous projects and grants focused on archaeological explorations of the Philippines, including extensive work at the Tabon Caves Complex, Quezon, Palawan.

Anne Carter is a Paintings Conservator at QAGOMA where she has worked in various capacities since 2000. She is a graduate of the University of Canberra, Bachelor of Applied Science in the Conservation of Cultural Materials (1996), with previous degrees in Illustration (1986) and Art History (1989). Anne undertook a two year paintings conservation internship at MoMA, New York in 1997-99, and her interest remains the conservation of contemporary paintings. Anne is a founding member of the International Network for the Conservation of Contemporary Art - Asia Pacific group, and has recently published on the materials of the Australian modern painters Ian Fairweather and Charles Blackman.

Sabine Cotte is a French-Australian conservator, based in Melbourne (Australia) since 2001. She holds conservation degrees from Institut National du Patrimoine (Paris), ICCROM (Rome), and a Masters of Arts from the University of Melbourne on 'Tibetan paintings: conserving a living religious heritage'. She has led several workshops in the Himalayan region for UNESCO, ICCROM and private NGOs, focusing on training local people in conservation and in disaster recovery. She has recently completed her PhD in conservation at the University of Melbourne on the materials and working processes of the artist Mirka Mora.

Josephine G. Francisco is Head of the Conservation Laboratory at Superior De La Corporacion Filipina de Padres Agustinus Recoletos Inc. Prior to this, she was a Conservation Technician at the Archdiocese of Manila. She was a project volunteer in the preservation and restoration of San Agustin Filipino-Spanish Cultural Heritage. She served

as a Facilitator during the 12th Summer Institute on Library and Information Science 'Preservation and Restoration of Archives and Library Materials', University of the Philippines. She has also been a Facilitator and Demonstrator for seminar workshops on preservation of Cultural properties at the Filipinas Heritage Library, Makati. She was the supervising conservator for the paintings conservation of the Masters, United Coconut Planters Bank, Makati.

Heba Helmy is a conservator, a member of the Egyptian Heritage Rescue Foundation, and an ICCROM Consultant.

Thi Anh Van Huynh is the Director of Hue Museum of Royal Antiquities, Hue Monuments Conservation Centre, in the Socialist Republic of Vietnam.

Christine Ianna is the Coordinator of Publications Reformatting, at the State Library of Queensland.

Dr Ana Labrador is Assistant Director at the National Museum, Philippines, responsible for research development, museology and technical assistance. She is its chief curator and head of collections management. Dr Labrador was a Fellow of the ICCROM in Rome, Italy, in 2007, examining conservation from the perspective of traditional knowledge in Southeast Asia. From February 2008, she took up a 4-month Visiting Scholarship at the University of Melbourne's Centre of Cultural Materials Conservation (CCMC), Australia, and was an Honorary Fellow there. She has written and edited a number of books and international journals on anthropology, art and museology.

Thein Lwin is Deputy Director General of the Department of Archaeology and National Museum in the Republic of the Union of Myanmar.

Maria Lourdes Po is a Conservator at Museo ng Arkidiyosesis ng Maynila, Roman Catholic Archbishop of Manila. She has a Master in Cultural Heritage Studies and a Bachelor of Science with a major in Microbiology from the University of Santo Tomas, Philippines, and has worked and trained in conservation departments at the National Museum, Philippines, the National Historical Commission of the Philippines, the Archdiocesan Archives of Manila, and the Heritage Conservation Centre, National Heritage Board in Singapore.

Neelam Pradanangha is the founder of the NGO Clean Up Nepal. She is an architect and a member of ICOMOS Nepal.

Mimi Pradhan is the curator of the Bhimsen Tapa Collection, at the National Museum of Nepal, Chhauni, Kathmandu.

Professor Robyn Sloggett is the Director of the Grimwade Centre for Cultural Materials Conservation at the University of Melbourne. Her research interests include attribution and authentication of Australian paintings, the development of the Australian art market, collection development and history, the investigation of materials and techniques of artists, and the preservation of cultural materials held in Australian Indigenous communities. She holds qualifications in art history, philosophy, and cultural materials conservation (applied science). She has a PhD from the University of Melbourne.

Professor Maricor Soriano is a physicist and a video and image processing expert from the University of the Philippines. She is one of the 2015 Leaders in Innovation Fellow of the UK-Newton Fund, the 2013 awardee of The Outstanding Women in the Nation's Service in Applied Physics, and 2006 Outstanding Young Scientist. She heads the Video and Image Processing Lab in which she trains the next generation of imaging scientists to seek and solve global problems with locally appropriate solutions. To date her group has provided solutions for marine resource mapping, cultural heritage archiving and analysis, sports analysis from video, and smartphone microscopy for public health.

Puangporn Srisomboon is a Conservation Scientist with the Conservation Science Division in the Fine Arts Department of the Ministry of Culture in Thailand.

Aparna Tandon is a Project Specialist, Collections Unit, at ICCROM. After the 2015 earthquake in Nepal she coordinated an international alliance of partners including ICCROM, ICOMOS-ICORP, ICOM, Smithsonian Institution and Prince Claus Fund to assist the Department of Archaeology and UNESCO Kathmandu Office in assessing damage and enhancing its capacity for stabilising over 600 cultural sites and collections. In 2016, ICCROM initiated a second set of activities aimed at recovery and risk reduction, joining forces with the Government of Nepal and its Department of Archaeology, Ritsumeikan University, Japan, and ICOMOS Nepal. This initiative was realised through the generous contributions of the Norwegian Ministry of Climate and Environment and UNESCO Kathmandu Office.

Pattayarach Thamwongsa is a Senior Knowledge Management Officer (Museum Networking Division) at Museum Siam, National Discovery Museum Institute (NDMI), Thailand. She graduated from Silpakorn University, Thailand with a BA degree in Art History and MA degree in History of Architecture. She also holds a MA degree in Cultural Studies (Museum Studies) from Mahidol University, Thailand. Before joining the NDMI, she worked as a Curator at Suan Pakkad Palace Museum, a Lecturer in Cultural Tourism at Eastern Asia University and a Freelance Researcher in Museum, Art History and Archaeology fields. She gained a lot of experience in Cultural Heritage, Collection management, Museum Education and research works on local museums in Thailand. As for NDMI, her work mainly focuses on distributing the museum's knowledge to networks, together with making and developing a collaborative museum network, both locally and internationally.

Father Milan Ted D. Torralba, a priest for almost 24 years, is associate judge of the Tribunal of First Instance and chair of the Commission for the Cultural Heritage of the Church of his home Diocese of Tagbilaran, Bohol. Since 1996, he has been the executive secretary of the Catholic Bishops' Conference of the Philippines' Episcopal Commission for the Cultural Heritage. He edits *Pintacasi*, the journal devoted to the study of the cultural heritage of the Catholic Church in the Philippines. He curated the exhibit *Kisame: Visions of Heaven on Earth*, an exhibition of photographs of thematically selected ceiling painting subjects from Bohol heritage churches, at the Ayala Museum, Makati City. In 2000, he was co-recipient of the 3rd Guhit Award for Cultural Heritage Preservation

given by the *Design and Architecture* magazine, and he was the founding chair of the Bohol Arts and Cultural Heritage Council, 2002-2005. He was an executive council member of the National Commission for Culture and the Arts' Committee on Nunciature in the Philippines, 2005-2008, during which time he played a major role in shaping the Holy See - Philippines international accord on the cultural heritage of the Catholic Church in the Philippines. He has trained in world heritage sites management at the United Nations' Institute for Training and Research, and obtained his ecclesiastical degrees in philosophy, theology, and canon law, and earned his master's degree in cultural heritage from the University of Santo Tomás, Manila.

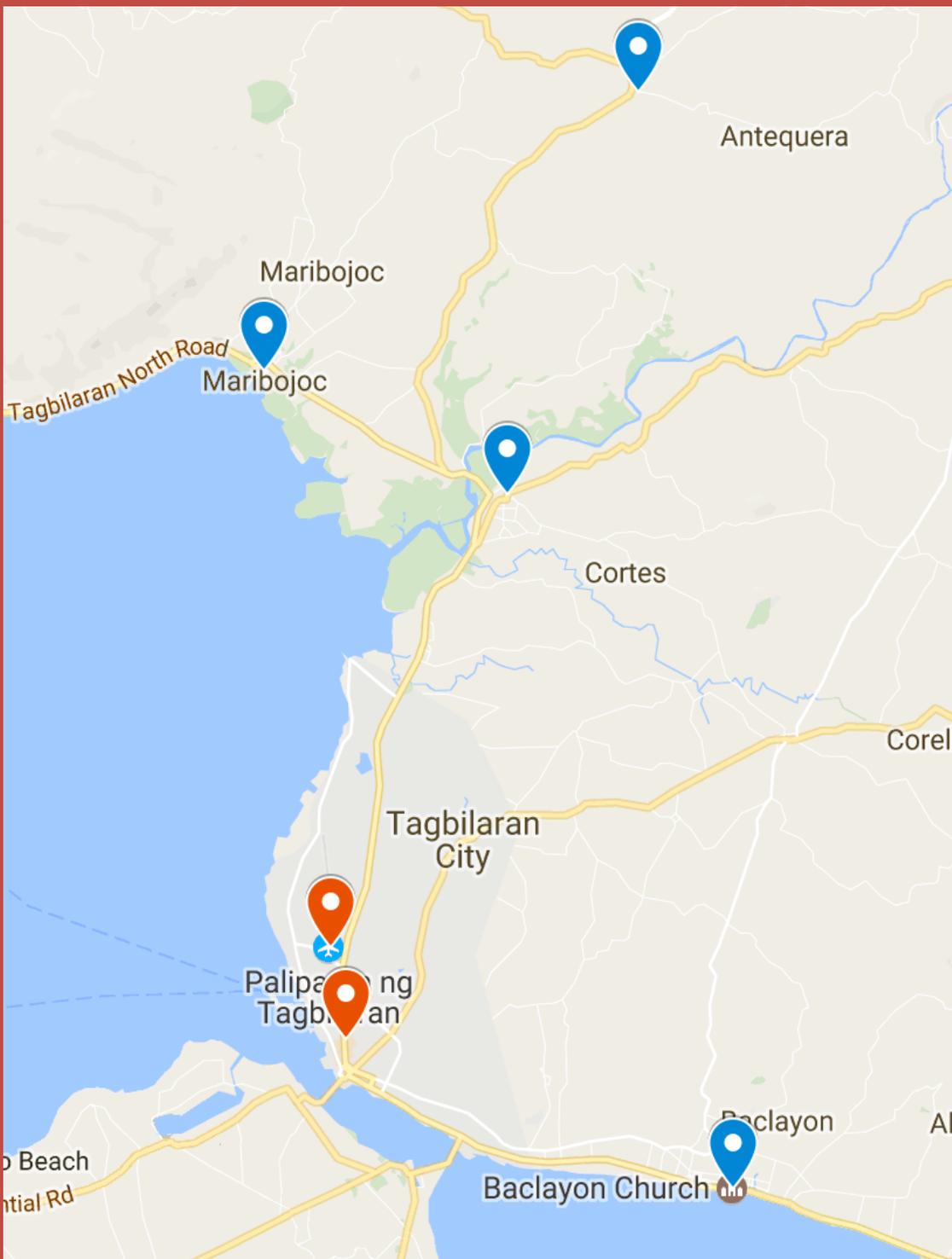
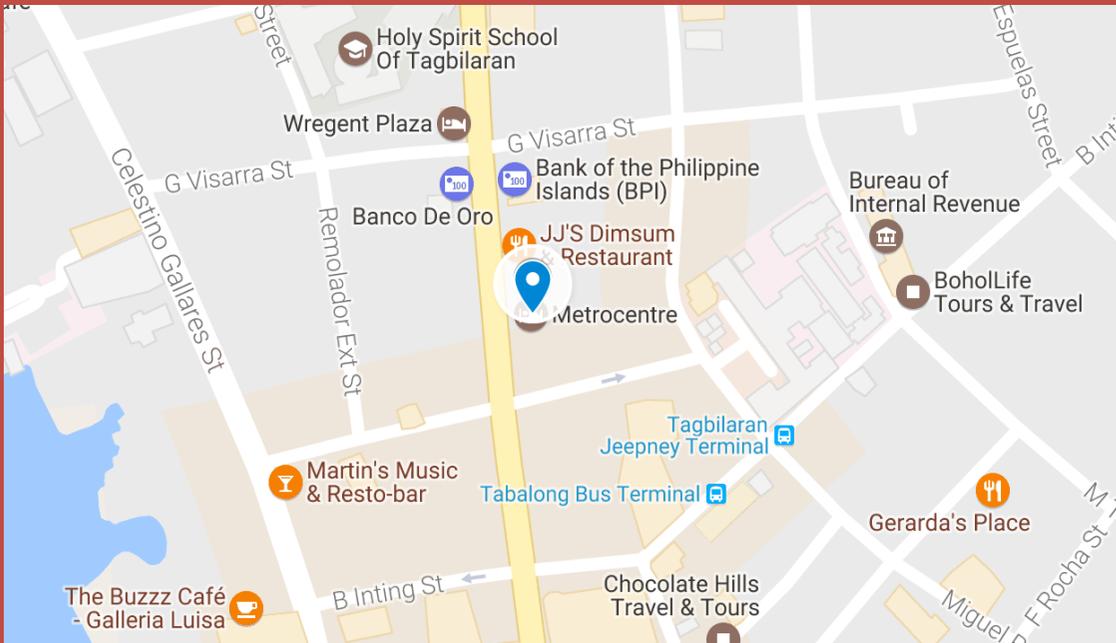
Dr Nicole Tse is part of the research and teaching team at the Grimwade Centre for Cultural Materials Conservation, the University of Melbourne. Tse's research has focused on the development of regionally relevant conservation solutions for works of art in tropical Southeast Asia. She recently completed an ARC Postdoctorate Fellowship investigating 'The Twentieth Century in Paint' and earlier completed her PhD, focusing on 'The Characterisation of Oil Paintings in Tropical Southeast Asia' with collaborating partners in Malaysia, the Philippines, Thailand and Singapore. Nicole is a co-founder of the Asia Pacific Twentieth Century Conservation Art Network (APTCCARN), Editor of the AICCM Bulletin and has a long term collaboration with the National Museum, the Philippines.

Septina Wardhani works at the Cultural Properties Preservation Office of Central Java, Ministry of Education and Culture, in the Republic of Indonesia

Wanwisa Woraward graduated with a BA in Art History from Silpakorn University, Bangkok. She is currently a Knowledge Management Officer at Museum Siam, National Discovery Museum Institute (NDMI), with a professional interest in the conservation of museum objects. As one of the NDMI training instructors and other activities, Wanwisa provides assistance to small museums to improve conditions of museum collections. She also takes an active role in disseminating information to the members of museum networks.

Zamrul Amri bin Zakaria is a Conservator with the Department of Museums Malaysia, Malaysia.

LOCATION MAPS



Churches are marked in blue, MetroCentre Hotel and Tagbilaran Airport are in red



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