

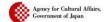


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# Protecting Our Cultural Heritage and Passing It On to the Future

Message from the President







The National Task Force for the Cultural Heritage Disaster Risk Mitigation Network (CH-DRM Net) was established in July 2014 following the work of the Committee for Salvaging Cultural Properties initiated in response to the devastation wrecked by the 2011 Great East Japan Earthquake.

Over the more than four years since then the network has been expanded and strengthened to include a total of 24 museums, libraries, archives, and academic societies, and other organizations in Japan. We are especially grateful to have the support of local authorities and networks for historical materials, as well as many people in a broad range of fields. This network is sorely needed as Japan is hit over and over again by natural disasters that bring great urgency to the effort to protect and salvage our invaluable cultural heritage. The most recent onslaught of natural disasters include the torrential rains of 2015 in the Kanto and Tohoku regions, the Kumamoto and Tottori earthquakes of 2016, the torrential rains of 2017 in northern Kyushu, and, most recently, the 2018 earthquakes in Osaka and Hokkaido, torrential rains in western Japan, and several typhoons. We are currently working to further strengthen our collaborative ties with the Agency for Cultural Affairs and other related organizations for a more robust CH-DRM Net. We ask for your continued support and encouragement in promoting our efforts.

July 2019

Chair, Headquartters of the National Task Force for the Cultural Heritage Disaster Risk Mitigation Network (CH-DRM Net), Japan President, National Institutes for Cultural Heritage (NICH), Independent Administrative Institution

Keiji Matsumura

## ${ m D}$ eveloping a Framework for Mitigating the Effect of Disasters on Cultural Heritage in Japan



Artwork being carried out of the Ishinomaki Cultural Center, 2011.

## An Overview

The Great East Japan Earthquake that struck on 11 March 2011 caused a huge tsunami and trig gered an accident at the Fukushima nuckera power plant, compelling local residents to evacuate. The combined disaster also damaged large numbers of valuable cultural objects and materials. This let the Agency for Cultural Affairs (ACA) to call for the National Institutes for Cultural Heritage (NICH) and 13 other arts and culture organizations to form a special committee to launch a cultural properties rescue operation.

In April 2011, the Committee for Salvaging Cultural Properties Affected by the 2011 Earthquake off the Pacific Coast of Tohoku and Related Disasters was created in the NICH's Tokyo National Research Institute for Cultural Properties.

The Committee worked to salvage not only valuable works of art and crafts but also numerous natural history specimens, official documents, books, and other artifacts reflecting the history and culture of the four prefectures of Miyagi, Iwate, Ibaraki, and Fukushima.\* When the Committee was disbanded after two years of intensive work, a symposium was held in March 2013 to review its achievements. The symposium concluded with the recommenda-

tion that the framework for the Committee's operations should be retained so as to be prepared for future disasters, large and small.

Following deliberations by the ACA and NICH, the National Task Force for the Cultural Heritage Disaster Risk Mitigation Network (CH-DRM Net) was launched in July 2014 with funding from the ACA's Grants-in-Aid for Promotion of Culture and Arts (Project to Support Art Museums and History Museums in Protority Areas).

\*Rescue Programs for Cultural Properties Damaged in the Great East Japan Earthquake (Cultural Property Rescue Programs) by ACA: These are ACA's emergency programs to preserve cultural properties damaged or threatned in a natural disaster and protect them from being discarded, scattered or stolen. The programs are undertaken as needed depending on the extent and character of the disaster. The first of these rescue operations was undertaken at the time of the Great Hanshin-Awaji Earthquake of 1995. The cultural properties rescue operation following the Great East Japan Earthquake of 2011 lasted for two years. A more recent rescue operation was undertaken after the Kumannton earthquakes of 2016.

## CH-DRM Net Objectives

The CH-DRM Net Headquartes (chaired by the NICH President and comprising NICH museum and research institute direction), set up under the auspices of the NICH, has a secretariat staffed by concurrently appointed researchers from the various NICH institutions who are involved in diverse network-building activities.

The CH-DRM Net comprises the following three major components.

(1) Daily maintenance and management of cultural properties, reporting and information sharing in case of emergency, and salvage activities carried out in conjunction with the ACA and prefectural and municipal authorities as provided for by the Act on Protection of Cultural Properties.

(2) Regional networking activities involving prefectural museums, libraries and archives, and networks for local historical materials formed by history and folklore researchers.

(3) The CH-DRM Net Executive Council, a group primarily made up of the organizations that were involved in the earlier Committee for Salvaging Cultural Properties Affected by the 2011 Earthquake off the Pacific Coast of Tohoku and Related Disasters. (As of August 2018, the Council had 24 memhers.)

Ideally, advance preparations are the best way to prevent or limit damage to cultural properties in the event of a disaster. When, in a worse-case scenario, cultural properties are damaged, prompt action is needed to minimize the impact by sending people with the appropriate experties to assets the damage and plan and implement recovery measures. Through its network, CH-DRM Net carries out technological research and promotes the implementation of effective measures directed at establishing a national framework for cultural properties disaster mitigation.





Cultural heritage activities in case of the Kumamoto Farthquakes, 2016.



Salvage of water damaged administrative documents at Joso City Hall, 2015.

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## Organization



CH-DRM Net executive council meetings

#### CH-DRM Net Headquarters

Situated inside the NICS, the CH-DRM Net Headquarters is chaired by the NICS President and comprises the directors and staff members of the seven NICS institutions. Members meet to deliberate the future of the network and its activities. Under the Headquarters is the CH-DRM secretaint where concurrently appointed researchers from the NICS institutions are involved in diverse activities to advance the CH-DRM Net-CH-DRM Net-CH-

#### CH-DRM Net Executive Council

The CH-DRM Net Executive Council was first convened by NCIS, which called upon related institutions and organizations—primarily those in the Committee for Salvaging Cultural Propenties Affected by the 2011 Earthquake off the Pacific Coast of Tohoku and Related Disasters—to come together to discuss their shared concerns and deliberate the need for a disaster mitigation network and how it should be advanced.

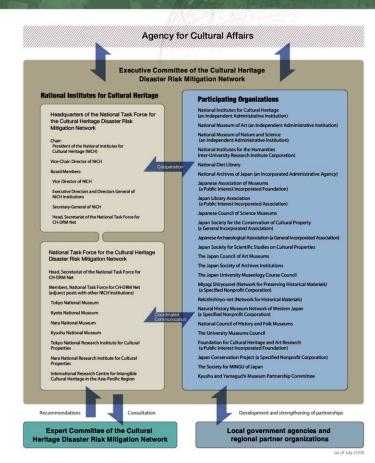
The Council, augmented by the attendance of personnel from the ACA, meets to exchange information on the disaster mitigation endeavors of various network organizations and discuss how the whole overall network can be most effectively deployed at the time of actual disasters.

With each natural disaster that has occurred to date, the Council member organizations have acred promptly to gather and consolidate information, and an effective system is on the verge of being finalized to communicate this information to the CH-DRM Net secretariat in a timely manner.

The Executive Council is actively calling on other organizations that support its objectives to join its current 24 members.

#### CH-DRM Net expert Committee

The CH-DRAI Net Pand of Experss brings together academic authorities and highly experienced professionals from a diverse range of fields related to cultural properties to assist in formulating strategies for building the network and achieving its objectives. The Pand currently comprises 11 members and meets twice a year.



# Goals of the National Task Force for CH-DR M Net



CH-DRM Net executive council meetings in 2018.

### 1.Framework Development

- (1) The Task Force strives to deepen public understanding for regional cultural heritage.
- (2) When a natural disaster occurs, it quickly gathers information about affected cultural heritage and conducts surveys or inventories.
- (3) It reviews the partnerships and cooperation necessary to employ optimal methods for the salvage, conservation, and storage of cul tural heritage in the disaster areas.
- (4) It develops a large-scale system for mutual cooperation among owners of cultural heritage, local citizens, stakeholder organizations, groups and experts, local government agencies, and the national government.

#### 2. Conducting Research

- (1) The Task Force conducts research on types of disaster mitigation, rescue, and conservation for cultural heritage, and then disseminates information on the results of those studies.
- (2) It conducts research on diagnosing deterioration, conservation environment, stabilization measures, and conservation for disaster-affected cultural heritage, and utilizes the results of these studies in onsite operations as appropriate.
- (3) It conducts research on such issues as disaster risk mitigation for intangible cultural heritage and preservation of cultural heritage after disasters.

## 3. Fostering Human Resources Development and Disseminating Information

- (1) The Task Force utilizes the results of research studies and methods and techniques from related groups and experts in order to try and train professionals capable of carrying out the disaster risk mitigation and salvage of cultural heritage. It provides trainings to officials of local government agencies.
- (2) It holds lectures and symposia to deepen understanding among regional residents of cultural heritage disaster risk mitigation and to heighten awareness of ongoing conservation of regional cultural heritage.

# $\Lambda$ Partnership Framework for Protecting Cultural Heritage



# Agency for Cultural Affairs Local Government Agencies CH-DRM Net CH-DRM Net Cultural Heritage Organizations Chibries and Temples Individuals National Institutes for Cultural Heritage (NICH) Plays Central Role Response Mittigation CH-DRM Net Comprise Stakeholder Organizations Grant Foundations & Funds Corporate and Other Sponsors Headquarters of the National Task Force Flays Central Role

# $1. \\ B_{uilding~a~Framework}$

#### Promoting the formation of regional networks

Cultual properties are to be found in every region. With prefectures as regional units, there is a need to build networks of duly interaction that can be promptly activated in the event of a disaster to gather and communicate information on the damage to cultural properties and later to salvage those properties.

To assist in this process of regional network building, we carry out hearings and surveys, speaking to the persons in change of cultural properties in prefectural and municipal administrative offices, museums, libraries, and archives, as well as the historians and researchers in regional networks for historical materials and other such groups, sponsor collaborative conferences, and attend various regional collaborative meetings.



Regional meetings (Kinki and Chubu area).



Regional meetings (Kanto and Koshinetsu area).



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Regional meetings (Chugoku and Shikoku area).



The Disaster Countermeasures Basic Plan based on the Disaster Countermeasures Basic Act sets from the legal underpinnings for cultural properties disaster mitigation by each of the prefectures, but the measures vary, do not always reflect actual circumstances, and often are not being fully implemented. As the Basic Plan undergoes a major review launched after the Great East Japan Earthquake, we have been drafting a variety of advanced sectionation for disaster perparedness related to cultural properties which provide roadmaps for structuring local organizations that can launch effective initial responses when disaster strikes. These scenarios and organizational recommendations are based on extensive investigative studies and examples of municipalities that have taken the lead in implementing measures for their own cultural properties.

#### Collecting information on organizations and groups involved in cultural properties disaster mitigation

As interest grows throughout the country in protecting cultural properties from disaster, numerous groups have emerged to undertake a range of functions. These include regional government groups and cultural properties associations, groups participating in the CH-DRM network, and regional historical materials networks linking historians and specialists at universities, museums, archives and other such institutions. We are supporting these kinds of groups with researcher networking events, symposiums, the collecting of information for publications, and posings on websites.



We are currently reviewing the options available throughout the country for temporary storage facilities, freezers, and vacuum freezer dryers for cultural properties salvaged after a natural disaster. Discussions are also underway with transport companies and others regarding prompt transport of cultural properties out of disaster-bit areas.

#### Disaster mitigation guidelines for cultural properties We are drafting guidelines to help regional groups and spe-

we are traiting guacetines to help regional groups and specialists coordinate their efforts in the event of a natural disaster for prompt and effective action to mitigate the effect on cultural properties.



## Building and sharing a database on the locations of cultural properties

We conduct investigative research and build databases to contribute to salvage and preservation activities undertaken as a part of disaster mitigation and in response to natural disasters and draft recommendations for future cultural properties databases.



Opinion exchange meeting at Nara National Museum, FY29



CH-DRM Net Reporting meeting, FY2018



CH-DRM Net Working Group meeting in 2019.

#### (1) Collecting, collating, and sharing data on regionally designated cultural properties

For nationally designated cultural properties, the Agency for Cultural Affairs maintains two databases: Cultural Heritage Offilies and the Nationally Designated Cultural Properties database. There is still, however, no integrated database of regionally designated cultural properties. We are working to build and integrate regional databases of movable and fixed regional cultural properties and integrate regional cultural properties and integrate regional cultural properties and integrate to cultural properties database of cultural properties during normal times and contribute to prompt assessment of damage and recovery efforts in the event of a natural disaster.

#### (2) Building a database compiling archeological evidence of historical disasters

We are building a database of historical disastern using data from more than 10,000 archeological sites and more than 800 data points of traces left by past natural disasters. Our objective is to track the history of disasters that do not appear in historical records and to collect information on prehistoric natural disasters that will be useful in disaster mitigation hereafter.

#### Investigative research to document intangible cultural heritage

Natural disasters can be devastating and even destroy

whole communities, leading to the loss of annual community rites and traditional occupations. Still, communities can be revived when traditional rites are reinstated, and the techniques of local crafts and occupations relearned. To prevent the loss of such intangible cultural heritage and to provide the means for reviving communities, we are exploring ways to create video records and other such tools.

## Creating video records of cultural property rescue operations

We are recording videos of rescue operation procedures that provide a means of reviewing the operation and implementing appropriate measures for the future. Additionally, we are creating videos showing the step-bystep processes of salvage and preservation that can be used as learning materials in workshops and dissemination activities as well as for reference in the event of an actual disaster.

#### Creating maps for the preservation of regional cultural properties

To prevent the total extinction of regional cultural heritage, we are making comprehensive lists encompassing different fields and drafting a model digital map that organically links already existing materials. This operation is being carried out with the cooperation of owners of cultural properties and related organizations in the two towns of Yusas and Hirogawa in the Arida district of Wakayama Perfecture.

#### Research on preserving and creating a conservation environment for disaster damaged cultural properties, and drafting and publicizing procedure handbooks

Cultural properties can be damaged in many different ways depending on the type and scale of the natural disaster.



Visual Documentation of Intangible Cultural Heritage as a Tool for Safeguarding Activities, FY2018.



"Manual for cultural property disaster prevention"series

These introduce the first aid example of the stricken documents.





Investigation of facilities related cultural properties that storage biological specimens, FY2018.

Prompt salvage and preservation are essential and a handbook giving step-by-step instructions can be invaluable to those working on site. There are already numerous handbooks of this type prepared by various organizations and specialists, but in a disaster situation it may not always be possible to carry out the procedures they outline. There are cases, as well, in which initial procedures are later found to lead to new problems. NICH has divisions for research on conservation and restoration technologies. and also has researchers specializing in the preservation of cultural properties at each of its museums. With these resources and the additional help of outside specialists, we are pursuing research on preservation procedures and methods. In fiscal 2017, a DVD was created explaining the procedures for cleaning damaged paper materials, and in 2018, a second DVD was created on cleaning damaged folklore materials. These DVDs were also posted on our

#### Investigative research on disaster mitigation and the mineralization of damage to natural objects found at archeological sites

This research is directed at investigating the natural objects —plants and animals—discovered in archeological sites and currently stored in facilities located in disaster-stricken areas. The objective is to acquire sufficient data to draft policies on appropriate storage and management to mitigate the effects of a disaster. We are also gathering information on natural history specimen collections currently held by local public authorities and organizations, and as one case study, we are compilling a full list of the shell specimens belonging to the Nara National Research Institute for Cultural Properties. As we carry out these activities, we are exploring ways to share and disseminate the locations of these kinds of materials.

## Compiling case studies of damage incurred by cultural properties in a disaster

The damage caused to cultural properties differs for every diasseter and cannot be easily cataloged into a single manual. Instead, we are investigating the extent and types of damage incurred in past disasters and the actions taken for salvage and restoration. It is our hope that case studies of this kind can provide hints for ways to cope with the damage that may be caused by future disasters.



Making list of reports about natural history specimens damaged by disaster, FY2018



Research on stabilization processing and microbial control of tsunami damaged documents. FY2018

#### Examining the various aspects of dealing with cultural property damage caused by natural disasters With every natural disaster, we send out specialists and

provide technology and information. We also assess recent salvage activities and apply our findings to develop new systems and solve technical problems. After the Kumamoto earthquakes of April 2016, we responded to a request from the Agency for Cultural Affairs to collaborate with Kumamoto Prefecture on cultural property rescue operations. In August of the same year, 2,500 books in the Tono City Library in Iwate Prefecture were badly damage following a major typhoon. In close collaboration with the library, we took part in an experimental operation to immediately ship out the damaged books and store then in a freezer within one week of the typhoon. After treating the books according to their value and extent of damage, we were able to restore them without any secondary damage, such as mold, and return every one of the books to the library. After the torrential mins that plummeted northern Kyushu in July 2017, Fukuoka Prefectural authorities were able to carry out prompt rescue operations to salvage damaged cultural properties. Through this kind of accumulation of knowhow and expetence with disasters of medium to small size, we hope to be better prepared for future large-scale disasters.

## Research on safety measures for museum displays and collections

Japan is an earthquake-prone country and three has long been a need for earthquake-proof structures. After the damage suffered by museums in the wake of the Great Hanshin-Awaji Earthquake of 1995, efforts were hunched to install scismic isolators and improve and develop other devices to protect museums and their contents from earthquake damage. While this process is ongoing, there are cases of older structures for which the costs of retrofitting would impose too much of a financial burden. We are currently deliberating safety measures tailored to the unique circumstances of each facility and researching ways to solve the diverse problems that arise.



Research Meeting on Safety Measures for Display and Storage of Museum Objects, FY2018.



Research on Safety Measures for Displaying Objects in Museum, FY2019.

# ${ m F}_{ m ostering}$ human resources to implement cultu ral property disaster mitigation and expanding collaborative networks to include more specia lists and organizations



## 3. F ostering Human Resources Development and Disseminating Information

Vorkshop for museums about preparedness for disasters. at Tokyo National Institute for Cultural Properties, FY2018.



Training course on preparedness for flood in cultural





#### Symposiums and research study meetings

Symposiums are held throughout the country to increase public knowledge of our existence and activities and to heighten public awareness of the need for cultural property disaster mitigation. We also sponsor domestic study meetings where specialists can exchange information on technology and the objectives for preserving regional cultural properties. Additionally, we sponsor international symposiums to learn from the experiences of specialists outside of Japan and to deepen our knowledge of the field.











- Lectures on the types and effects of radiation and methods for measuring it at Fukushima Prefecture Cultural Property Center, FY2016.
- @@ CH-DRM Net Annual Workshop held at Nara National Institute for Cultural Properties.
- Workshop on learning how to dry paper documents damaged by water, at Nara National Research Institute for Cultural Properties, FY2018.
- © Cooperation with regional volunteers to collect basic information on local cultural heritage in Fukuoka Prefecture,
- Learning how to treat armor assuming Cultural heritage rescue activities in Kumamoto Prefecture, FY2017.
- Cleaning cultural properties damaged the Kumamoto earthquakes in Kumamoto Prefecture, FY2017.









#### Training programs

Specialized knowledge and experience is required in handling cultural properties that have been damaged in a disaster. To impart this kind of knowledge, we hold training programs for the people in regional administrative departments in charge of cultural properties. We have also found it effective to provide specialized training programs for firefighters and people involved in transporting cultural properties. Finally, in an effort to share our experience and expertise with cohorts overseas, we deploy instructors to participate in international workshops and training programs for the disaster mitigation of cultural properties in other countries.



ite telephone operation training as part of comprehensive

This training taught appropriate methods for handling cultural properties to frefighters, with the assumption that these first responders might actually do the salvage. It held at Tokyo National Museum in FY2015.



#### Disseminating information online

Information on our activities is regularly updated on our website. We also introduce the activities of other groups involved in cultural property disaster mitigation, with the objective of enhancing public awareness of the need to be always prepared and to collaborate to protect and preserve our cultural heritage. We strive to act with speed and accuracy in collecting and disseminating information in the event of a natural disaster.

URL: https://ch-drm.nich.go.jp/eng/

## Achronological table

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July 23, 2014 Headquarters of the National Task Force for the Cultural Heritage Disaster Risk Mitigation Network

October 21, 2014 1st Meeting of the Executive Committee of the Cultural Heritage Disaster Risk Mitigation Network

(CH-DRM Net)

October 29-30, 2014 Cooperation in Rescue Efforts for Cultural Properties (documents from disaster areas in Futaba Town,

Fukushima Prefecture)

February 14-15, 2015 National Historical Materials Networks (Shiryo Net) Conference (Kobe)

March 3 to 5, 2015 CH-DRM Net Annual Workshop held at Nara National Institute for Cultural Properties.

March 10, 2015 2nd Meeting of the Executive Committee of CH-DRM Net and the 1st Meeting of the Expert Committee

of the Cultural Heritage Disaster Risk Mitigation Network (CH-DRM Net)

March 10 to 17, 2015 International Expert Meeting, "Cultural Heritage Disaster and Disaster Resilient Communities," Tokyo Strategy Meeting (Tokyo), within the Third U.N. World Conference on Disaster Risk Reduction (WCDRR)

FY 2015

June 14, 2015 Public Symposium, "Considering Cultural Heritage Disaster Risk Mitigation and Disaster Preparedness with the Community, I" (Kyushu National Museum)

August 18, 2015 Training on the stabilization of cultural heritage from disaster areas (Rikuzentakata City Museum)

October 2015 Cooperation in rescue activities for public documents from disaster areas in Joso City due to flooding of the

Kinugawa River

November 5, 2015 3rd Meeting of the Executive Committee of CH-DRM Net and the 2nd Meeting of the Expert Committee of CH-DRM Net

November 24-28, 2015 Symposium, "Japan-China-Korea Academic Research Council on Cultural Heritage Disaster Risk

Mitigation" (China)

December 6, 2015 Symposium, "Protecting Cultural Heritage from Disaster: The Past, Present and Future of Cultural Heritage

Disaster Risk Mitigation" (Keihanna Open Innovation Center @Kyoto (KICK) / Kyoto)

December 13, 2015 "International Symposium on Cultural Heritage Disaster Risk Mitigation: How Can We Protect Cultural

Heritage from Large Scale Disasters-Potential of Blue Shield" (Kyoto National Museum)

January-March 2016 Exhibitions on rescuing cultural heritage from disaster areas (MEXT Information Plaza and Tokyo National

Museum)

January 24, 2016 Public Symposium, "Considering Cultural Heritage Disaster Risk Mitigation and Disaster Preparedness with

the Community II" (Kyushu National Museum)

March 11, 2016 4th Meeting of the Executive Committee of CH-DRM Net and the 3rd Meeting of the Expert Committee

of CH-DRM Net

March 19-20, 2016 2nd Research Council on the Japan Historical Document Network (Koriyama)

FY 2016

April 2016 Participation in rescue activities for cultural heritage after the Kumamoto Earthquakes

June 30, 2016 Extraordinary Meeting of the Executive Committee of CH-DRM Net and the 4th Meeting of the Expert

Committee of CH-DRM Net

July 18, 2016 Special Lecture, "Considering Cultural Heritage Disaster Risk Mitigation and Disaster Preparedness

Together With History" (Kyushu National Museum)

September 2016 Participation in Salvage Operations for Cultural Properties in Iwate Prefecture after Typhoon Lionrock (Dindo)

November 12, 2016 Symposium, "Protecting Cultural Heritage from Disaster 2: Current Risk—Disaster and Cultural Heritage in

Kansai (Keihanna Open Innovation Center @Kyoto (KICK) / Kyoto)

November 29, 2016 5th Meeting of the Executive Committee of CH-DRM Net and 5th Meeting of the Expert Committee of

CH-DRM Net

December 4, 2016 Public Symposium, "Considering Cultural Heritage Disaster Risk Mitigation and Disaster Preparedness with

the Community III: Kumamoto Earthquakes and Cultural Heritage Rescue" (Kyushu National Museum)

December 17-18, 2016 3rd National Historical Materials Networks Conference (Ehime)

March 18, 2017 "International Symposium on Cultural Heritage Disaster Risk Mitigation: How Can We Protect Cultural Heritage

tom Large Scale Disasters-The Potential of Blue Shield, II\* (Tokyo National Research Institute for Cultural

Properties)

FY 2017

May 24, 2017 6th Meeting of the Executive Committee of CH-DRM Net and 6th Meeting of the Expert Committee of CH-DRM Net

July 5, 2017 Symposium for Exhibition at Parea Axia, "The Role of Museums During Large-Scale Disasters"

(Kumamoto Prefecture Community Center Parea)

September 16, 2017 The UNESCO Chair Programme International Training Course on "Cultural Heritage and Risk Management"

International Symposium, "Working Internationally toward the Integrated Protection of Cultural Heritage

from Disasters" (Ritsumeikan University)

FY2018

September 20, 2018 International Symposium "Cultural heritage disaster prevention with local communities - Experiences in the

world and future in Japan-" (Ritsumeikan University)

October 27, 2018 Symposium "Protect and Inherit cultural assets -Preservation and repair of cultural assets-"

January 18, 2019 Cultural Property Disaster Prevention Liaison Council in Chubu and Kinki district (Nara National Museum)

February 10, 2019 The National Task Force for CH-DRM Net Symposium "Regional disaster prevention and cultural assets -

Learn about natural disasters, Protect and pass on precious local cultural resources-"

February 14, 2019 The National Task Force for CH-DRM Net seminar "Regional disaster prevention plan initiatives of cultural

property in Oita Prefecture" (Kyushu National Museum)

February 26, 2019 Research Meeting on Safety Measures for Display and Storage of Museum Objects (Tokyo National Museum)

February 27, 2019 The National Task Force for CH-DRM Net Workshop "Prepare for flood" (Kyoto National Museum)

8En addition, at the time of natural disasters, the Task Force quickly ascertains disaster conditions, shares information, conducts surveys, and makes recommendations as necessary (i.e., torrential rainfall in Kanto and Toboku in September 2015; Kumamoto Earthquakes in April 2016; Typhoon Lionrock in August 2016; forcential rainfall in northern Kyushu in July 2017).

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