

Minutes of Meeting
1st Joint Coordinating Committee (JCC)
Project for Enhancement of Earthquake and Tsunami Disaster Mitigation
Technology in Peru

Date and Time: September 20th (Tue) 2011, 10:00am~12:20am

Venue: CISMID Meeting Room

Attendees: As attached in ANNEX 1

The 1st Joint Coordinating Committee of the “Project for Enhancement of Earthquake and Tsunami Disaster Mitigation Technology in Peru” was held for the purpose of confirming this year project plan, reviewing the progress of the project and discussing issues that may arise during the implementation of the project. As a result of the Committee, the following items were notified and confirmed.

No.	Item	Action
1	Announcement from Moderator	
1.1	Dr. Zavala expressed the gratitude to the meeting attendees.	Notification
2	Opening Address from Chairman of JCC	
2.1	Dr. Padilla expressed the gratitude for JCC attendees and evaluated the joint research project for earthquake and tsunami disaster mitigation technology.	Notification
2.2	Dr. Padilla also expressed his sympathy to Japanese people suffering from Tohoku Earthquake disaster.	Notification
2.3	He acknowledged the donated equipment including the structure testing devices and seismometers.	Notification
3	Welcome Speech from Chief Representative of JICA Peru	
3.1	Mr. Nakao mentioned the long-term history between JICA and CISMID-UNI started at 1986.	Notification
3.2	He mentioned the importance of sharing the disaster mitigation technology between Japan and Peru with the consideration of the possible future occurrence of a huge earthquake in Peru such as Tohoku Earthquake.	Notification
4	Welcome Speech from Executive Director of APCI	
4.1	Ms. Bernuy expressed her gratitude to the JCC attendees. She mentioned the importance of this project for the strong relationship between Peru and Japan.	Notification
5	Opening Address from Japanese Ambassador	
5.1	Mr. Fukukawa expressed his pleasure to joining the JCC with the distinguished participants.	Notification
5.2	He explained the long-term relationship between Peru and Japan, and mentioned the successful cooperation in the field of disaster mitigation.	Notification
5.3	He mentioned high expectations from President Humala for Japanese technical cooperation.	Notification
6	Framework of the Project and Progress Reports	
6.1	Dr. Yamazaki explained the scope of the project with the framework of JST-JICA SATREPS.	Confirmation
6.2	He explained the structure and strategy of study groups with the	Confirmation

	current progress of those. He also mentioned that Tacna city was selected as one of provincial target cities through the activities in 2010.	
6.3	It was explained that the 2nd international workshop was held in Japan by inviting the Peruvian researchers last March, and the 3rd international workshop will be held in March, 2012 for the first year memorial day after Tohoku earthquake. Dr.Yamazaki also mentioned that 90% of the equipment procurement of the project would be completed in this fiscal year.	Confirmation
6.4	Dr. Aguilar explained the progress of the project by Seismic Motion and Geotechnical group focusing on the 1) Source Modeling and Seismic Motion, 2) Site Response and Microzonation, 3) Slope Failure Assessment, and 4) Human Resources Development for the acceptance of two trainees at Chiba University.	Confirmation
6.5	He also explained the coming schedule 2011-2012 of the group as shown in ANNEX2	Confirmation
6.6	Dr. Koshimura explained the progress of the project by Tsunami group focusing on the 1) Tsunami Propagation and Impacts, 2) Tsunami Hazard Mapping, 3) Tsunami Damage Mitigation Technology and 4) Human Resources Development for Tsunami modeling technology.	Confirmation
6.7	Dr. Koshimura also mentioned the importance of the stronger partnerships among the Peruvian institutions toward the new Tsunami warning system.	Confirmation
6.8	He also explained the coming schedule 2011-2012 of the group as shown in ANNEX3	Confirmation
6.9	Dr. Zavala explained the progress of the project by Building group focusing on 1)Seismic Test Database 2)Diagnosis and Retrofit 3)Retrofit of Historical Buildings and 4)Human Resources Development through seminars conducted at CISMID and University of Tacna	Confirmation
6.10	He also mentioned that key buildings for seismic diagnosis were determined to be Hospital Rebagliatti , Building of the Faculty of Civil Engineering and Main Pavilion of UNI.	Confirmation
6.11	He also explained the coming schedule 2011-2012 of the group as shown in ANNEX3	Confirmation
6.12	Dr. Estrada explained the progress of the project for Damage Assessment group, focusing on 1)Geo-spacial Database2)Damage Detection using Remote sensing 3)Damage Assessment of Scenario Earthquake and 4)human resources development for exchange of young researchers	Confirmation
6.13	He also explained the coming schedule 2011-2012 of the group as shown in ANNEX4	Confirmation
6.14	Mr.Bisbal made a brief introduction to Resource Information System for Disaster Response(SIRAD) of INDECI.	Confirmation
7	Discussion about Implementation of the Project	
7.1	Dr. Yamazaki suggested to have opportunities at least twice a year to exchange the progress among the research groups.	Confirmation
7.2	Dr. Honkura suggested to have a technical meeting among research groups before JCC.	Confirmation
8	Closure by JST	

8.1	Dr. Honkura evaluated the progress of the activities of each group since March 2011 Workshop at Chiba University.	Notification
8.2	He mentioned 1) the importance of progress of science such as long-term forecasts of earthquakes and tsunamis, 2) the significance of technical transfer of Tsunami Modeling, and 3) the importance of application of studies by Peruvian researchers as a result of technical transfer.	Notification
9	Closure by Vice Chairman	
9.1	Dr. Pique closed JCC by appreciating the capacity development by Japanese government over generations.	Notification

Mag. Aurelio Padilla Ríos
Project Director/Rector
National University of Engineering(UNI)

Dr. Fumio Yamazaki
Project Leader/Professor
Department of Urban Environmental Systems
Graduate School of Engineering
Chiba University

Dr. Carlos Alberto Zavala Toledo
Project Manager/ Director
Japan-Peru Center for Earthquake
Engineering Research and Disaster
Mitigation(CISMID)
National University of Engineering(UNI)

Ms. Paola Bustamante Suarez
Management and International Negotiation
Director
Peruvian International Cooperation
Agency (APCI)

Mr. Makoto NAKAO
Chief Representative
Japan International Cooperation Agency
(JICA)

Witnessed by

Dr. Yoshimori Honkura
Program Officer
Science and Technology Partnership for
Sustainable Development
Japan Science and Technology Agency(JST)

ANNEX 1 LIST OF ATENDEES

ANNEX 2 Coming Schedule for 2011-2012(Group 1: Seismic Motion and Geotechnical group)

ANNEX 3 Coming Schedule for 2011-2012(Group 2: Tsunami group)

ANNEX 4 Coming Schedule for 2011-2012(Group 3: Building group)

ANNEX 5 Coming Schedule for 2011-2012(Group 4: Damage Assessment group)

LIST OF ATENDEES
1st Joint Coordinating Committee(JCC)
Project for Enhancement of Earthquake and Tsunami Disaster Mitigation Technology in Peru

No	Name	Organization
Project Director(Chairman)		
1	Dr. Aurelio Padilla	Rector,National University of Engineering(UNI)
Project Manager(Moderator)		
2	Dr.Carlos Zavala	Director,Japan-Peru Center for Earthquake Engineering Research and Disaster Mitigation(CISMID),UNI
Peruvian Side(APCI)		
3	Ms.Soledad Bernuy	Peruvian International Cooperation Agency(APCI)
4	Ms.Claudia Caldas Comas	Peruvian International Cooperation Agency(APCI)
Peruvian Side(Counterpart Personnel of CISMID-UNI and Collaborating Organizations)		
5	Dr. Javier Pique	Dean, Faculty of Civil Engineering, UNI
6	Dr. Zenon Aguilar	Academic Director,CISMID,UNI
7	Dr. Miguel Estrada	Research Director,CISMID,UNI
8	Mr.Fernando Lazares	Head,Planning and Disaster Mitigation Department
9	Mr. Francisco Rios	Administrator, Faculty of Civil Engineering, UNI
10	Mr. Alberto Bisbal	National Director of Prevention, National Institute of Civil Defense(INDECI)
11	Mr. Cesar Jimenez	Researcher, Direction of Hydrology and Navigation(DHN)
Japanese Side(JICA Experts)		
12	Dr. Fumio Yamazaki	Project Leader,Chiba University
13	Dr. Shunichi Koshimura	Group 2 Leader, Tohoku University
14	Dr. Saburo Midorikawa	Group 4 Leader, Tokyo Institute of Technology
15	Dr. Yushiro Fujii	Group 2 Expert, Building Research Institute
16	Dr. Gaku Shoji	Group 2 Expert, Tsukuba University
17	Dr. Osamu Maruo	Group 5 Expert, Tsukuba University
18	Dr. Tadahiro Kishida	Assistant to the Project Leader, Chiba University
19	Ms. Hiromi Tsuzuki	Project Coordinator,Japan International Cooperation Agency(JICA)
Japanese Side(JICA Peru Office)		
20	Mr. Makoto Nakao	Chief Representative, JICA Peru
21	Mr. Katsuto Kida	Assistant Resident Representative, JICA Peru
22	Mr. Takuma Ito	JICA Peru
Observers(Japanese Side)		
23	Mr. Masahiro Fukukawa	Ambassador, Embassy of Japan in Peru
24	Mr. Shusuke Matsumoto	Secretary, Embassy of Japan in Peru
25	Dr. Yoshimori Honkura	Program Officer,Japan Science and Technology Agency(JST)
26	Ms. Naoko Yasuo	Japan Science and Technology Agency(JST)

Coming Schedule for 2011-2012

Source Modeling and Seismic Motion

Date	Topic	Organization
2011/09-	Simulation of Strong Motion	Chiba U, NIED, IGP
2011/08	Ground Motion Monitoring	CISMID, Chiba U.
2011/08-	Analysis of Earthquake Recordings	Chiba U, CISMID

Site Response & Microzonation

Date	Topic	Organization
2011/09-	Boring and PS Wave Logging	CISMID, Chiba U.
2012/03-	Site Response Analysis	Chiba U, CISMID
2012/09-	Seismic Microzonation	CISMID, Chiba U.

Coming Schedule for 2011-2012

Slope Failure Assessment

Date	Topic	Organization
2012/03-	Site Characterization	CISMID
2012/09-	Seismic Response Analysis	Chiba U, CISMID
2012/09-	Slope Hazard Map	Chiba U, CISMID

Coming Schedule for 2011-2012

Tsunami Propagation/Inundation Mapping

Date	Topic	Organization
2011	Complete review of historical tsunami events and determine potential tsunami source scenarios for Callao, Lima	G1 IGP, DHN, Tohoku Univ., BRI
2011-2012	Developing archives of historical tsunami data, propagation simulation, inundation mapping.	IGP, DHN, CISMID, Tohoku Univ., BRI

Tsunami Damage/Loss Estimation

Date	Topic	Organization
2011	Developing house/building inventory, census data for Callao, Lima	G1, CISMID, Tohoku Univ.
2011-2012	Developing tsunami fragility curves and conducting damage/loss estimation for Callao, Lima.	DHN, CISMID, Tohoku Univ. Tsukuba Univ.

Tsunami Damage Mitigation Technology

Date	Topic	Organization
2011-2012	Complete hazard map for Callao, Lima	CISMID, INDECI, Tohoku Univ.
2011-2012	Strategic planning for tsunami evacuation by multi-agent simulation	CISMID, INDECI, Tohoku Univ.

Coming Schedule for 2011-2012

Seismic Test Database

Date	Topic	Organization
Feb. 2012	Structural test of wall in CISMID	CISMID, BRI, Yokohama National Univ., Nagoya Univ.

Diagnosis and Retrofit

Date	Topic	Organization
Feb. 2012	Shaking table test of masonry in BRI Development of software	BRI, Akita Prefectural Univ.

Survey and Risk Assessment

Date	Topic	Organization
2012	Seismic evaluation of buildings in Peru	CISMID, BRI
	Implementation of ITK Sensor Network	CISMID, BRI, Yokohama National Univ.

Coming Schedule for 2011-2012

Geo-Spatial Database

Date	Topic	Organization
Sep. 2011	Field Survey in Lima and Tacna	Tokyo Tech., CISMID
2012	Development of Building Inventory	Tokyo Tech., CISMID

Semi-Automatic Damage Detection using Remote Sensing

Date	Topic	Organization
2012	Calibration of Damage Detection Method	AIST, Chiba Univ., CISMID

Damage Assessment of Scenario Earthquake

Date	Topic	Organization
2012	Development of Fragility Curves	CISMID, Tokyo Tech.