

## Agreement with Angeles University Foundation and its first lecture on Disaster Medicine. (2014/10/24-25)

Venue: Angeles University (Philippines)

Topic: Disaster Management

On Oct. 24-25 (Fri. -Sat.), Prof. Egawa visited Angeles University Foundation and attended the ceremony for mutual scientific and educational agreement between IRIDeS and AUF. Director Fumihiko Imamura (Rep. Prof. Egawa), and President Joseph Emmanuel L. Angeles (Rep: Vice President for Academic Affairs, Archimedes David) signed the agreement. AUF is located in Angeles City 20km distant from Mt. Pinatubo that erupted in 1991 as the biggest eruption in the century. The maximum explosion was forecasted successfully, and the evacuation of the residencies saved many lives. But the lahar and ash, flush floods inundated the crop field, living place and the town counting 1.2 M people were affected. There are many resettlement areas within Angeles City and it makes the AUF very active in disaster management.

With the arrangement by AUF, Prof. Egawa had chance to interview Dr. Leny Santos in the Barangay Health Center within the resettlement area. He told the situation right after the eruption and the long term problem in the resettlement area. After the eruption, a huge mushroom cloud went high up in the sky and fine ash, sand, gravel fell down to Angeles City. Average 2-3 m of mud ash covered everything.

Dislocated people got a fixed size land and a house from the government not so long after the eruption. They can sell the house as a private property if they found their own place to live. Many residents are however from the mountainous area and lost the crop field remain living in the resettlement and most of them remained poor, even though the Clark base was abandoned and returned from US Air Force and became a new business center for the city. The biggest problem of the health was the crowded evacuation. There were outbreaks of infectious disease and harassments. The mental health issues were not rather counted. Poverty made the prostitutions and the sexual transmitted disease is still a big problem in the resettlement area. The infrastructure including water and sewage system still needs to be improved. The BHC has the very important role as the primary health care center to provide birthing and pediatric care or vaccination. The health and disaster education in elementary school, responses for the pregnant women and the Japanese disaster medical system was a great interest for them.

Prof. Egawa made the first lecture in disaster medicine in AUF. It was the first experience for AUF to use the answering pads for the interactive lecture. Fifty audience including nurses, doctors, municipal officers, and disaster management division enjoyed the interactivity. After ice-breaking, Prof. Egawa described the preparedness of disaster medicine in Japan, Educational process, The concept of human security, Terminology and the future perspectives within the given three hours.

The evaluation of the lecture can be immediately indicated by the system. Prof. Egawa got a high evaluation from the audience. There were number of questions about the disaster education, the relation with the military, dealing with biohazards like Ebola virus disease. The second lecture will be held on Dec. 6 about Typhoon Haiyan and the response within the Philippines, Radiation and nuclear hazards and the business continuity plan for the hospitals.



The resettlement area has wide road, elementary and high school. There are also running small shops and the people seem to be living calmly.



Typical size of the house from government. You can sell this house as a personal property when you find your place of living.



BHC as the birthing center. It plays an important role for education and vaccination.



Dr. Leny Santos (Left end) , Dr. Carmera Dizon (Right end)



Prof. Egawa and vice president, Dr. David on MOA. Prof. Kawano (left end), Dean, Dr. Dizon(right end)



Interactive lecture make the audience very active. There were students from the disaster management division of the military.

Shinichi Egawa (Disaster Medical Science Division)