

2021 International Training Workshop - Youth Leadership Camp on Disaster Risk Management

January, 2022; New Taipei City, Taiwan

Involving the Role of Science and Technology on Decision Making from Situation Assessment to Field Operation

Through scenario simulations to hands-on operations, the National Science and Technology Center for Disaster Reduction (NCDR) and the Tzu Chi Foundation (Tzu Chi), and International Cooperation and Development Fund (TaiwanICDF) co-organize the 2021 International Training Workshop - Youth Leadership Camp on Disaster Risk Management (2021 ITW) from 15 to 17 January, 2022, since the original event dates were in the outbreak period of COVID-19 in 2021, and postponed to hold in the early 2022.

The workshop that aims at capacity building for HA/DR in case of earthquake scenario and the training courses focused on the planning and practice of the humanitarian assistance with seismic technology, invited undergraduate, graduate or post-graduate international and domestic students majoring in disaster management or relevant disciplines who are enthusiastic fast learners with high mobility and genuine creativity. There were 44 participants attending this meaningful workshop, who are from 16 countries, including Asia, Africa, Latin America, USA, and Taiwan.



2021 ITW was held from 15 to 17 January, 2022

Keynote Speech

The workshop invited three distinguished speakers to deliver the speeches on 17 January, including:

Prof. Tan Sri Dr. Jemilah Mahmood MD FRCOG MOG, Executive Director, Sunway Centre for Planetary Health of Sunway University, her speech topic is “Climate, environment and health: Why Planetary Health matters for you”.

CEO Po-Wen Yen, Tzu Chi Charity Foundation, his speech topic is “Mission for Sustainability”.

Director Joseph Martin, Center for Excellence in Disaster Management and Humanitarian Assistance (CFE-DM), his speech topic is “Climate Change Impacts: The View from U.S. Indo-Pacific Command”.

2021 ITW Keynote Speech VIEDO: <https://youtu.be/N8mqSw5CX7Y>

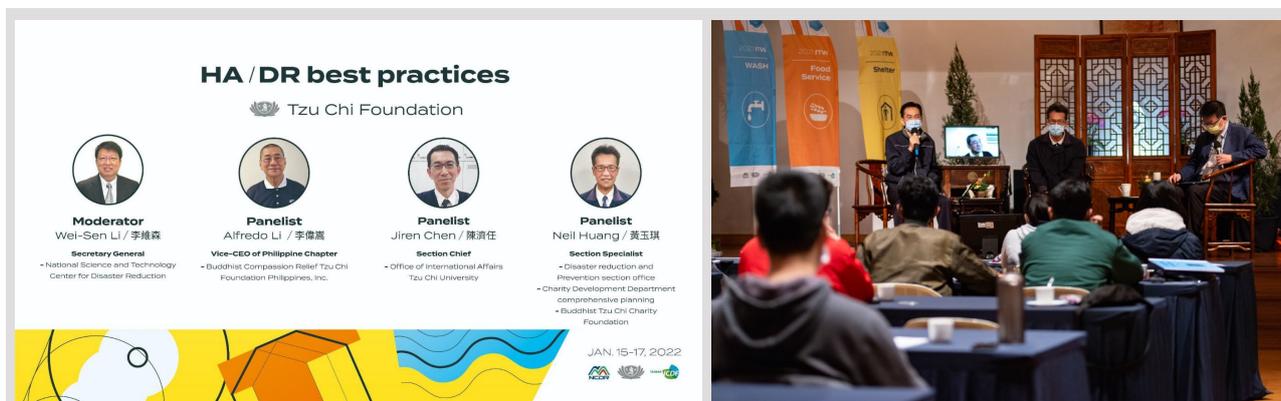


Three keynote speeches of 2021 ITW were delivered by physical and virtual and live on the YouTube

HA/DR Best Practices

In order to allow participants to be more involved in understanding the disaster scene and the actual assistance situation, in the opening session, three panelists from Tzu Chi and Dr. Komal Aryal from Faculty of Resilience, Rabdan Academy were invited to share their experiences of on-site disaster relief, and had interactive discussion with all participants.

The Tzu Chi brothers ever worked for the disaster relief on-site of Typhoon Haiyan in Philippines, Hualien Earthquake in Taiwan. They shared that how did Tzu Chi conduct a primary impact assessment after a major disaster? What kinds of emergency relief Tzu Chi initiates after a major disaster incident? And how Tzu Chi provide assistance to the people in need? How to design and manage a shelter with functional arrangement? How to help victims recover from disaster impacts?



Knowledge sharing for the HA/DR best practice

Planning and Operation

Based on the magnitude 6.9 earthquake scenario in Kathmandu Nepal, the participants practiced to organize a team and coordinate several mission group to carry out the tasks that included to set up an emergency shelter (50 household/ 1 week/ indoor), practice the HA/DR technologies, and plan for a temporary shelter camp (50 household/ 1 week/ outdoor).

Besides building the temporary shelter for the victims, all participants needed to prepare hot meals for relief teams, provided clean water and lighting, and managed the hygiene and sanitation.

Though the real practice and team work, participants could learn the decision making to deliver feasible solutions and allocate resources for coping with challenges, streamlining the data, photo and information collected for situation assessment on cross-cutting issues for integrated communications, mobilizing the tangible and intangible resources for emergency preparedness, integrating team efforts on the scenario simulation for operations, and delivering effective and efficient operation.



Planning for the shelters management and operation by map and LEGO

Newsletter

National Science and Technology Center for Disaster Reduction

Timeline: Nepal earthquakes

For the second time in three weeks Nepal has been hit by a major earthquake.

- 1980** • Magnitude **6.5**
178 killed, 40,000 homes destroyed.
- 1988** • Magnitude **6.8**
722 killed across Nepal and India, 12,000 injured, 460,000 people left homeless.
- 1984** • Magnitude **8.0**
Most destructive quake in Nepal's history. Over 10,000 people killed.
- 2011** • Magnitude **6.9**
6 killed, 30 seriously injured, 13,000 displaced.
- 2015** • Magnitude **7.3**
Quake hits while rescue operations were still underway.

Source: Al Jazeera, agencies, NSC Nepal, USGS, EarthquakeTrack, Nepal Disaster Knowledge Network
Last updated: 12 May 2015

Practical operation for the relief scenario tasks: building shelters, cooking, mapping, lighting, and WASH

In the Closing Ceremony, there were ten Embassies and Representative Offices that included Papua New Guinea, Saint Vincent and the Grenadines, Hungary, South Africa, Eswatini, Saint Lucia, Mexico, Thailand, France and United Kingdom, attended and listened the final reports from the two teams, as well as awarded certificates to all participants. They felt honored and impressed for their students and appreciated that the organizers designed such a meaningful event.

This was the second international training event that NCDR corroborated with Tzu Chi and TaiwanICDF, and it was an innovative “Cross-boundary Synergies” event that connected the science and technology of disaster reduction, disaster relief, humanitarian assistance and international initiative.



The Closing Ceremony of 2021 ITW

Photos of 2021 ITW:

<https://www.ncdr.nat.gov.tw/Message/MessageView?itemid=4781&mid=95>

The 10th DPRI-NCDR Workshop

January, 2022; New Taipei City, Taiwan

The 10th DPRI-NCDR Workshop was held on 13 January by virtual meeting. Since NCDR and DPRI signed the Bilateral Memorandum of Understanding in 2010, the two parties have collaborated for capacity building, researches, and technology on disaster risk reduction more than ten years. Based on this deep friendship, even though the COVID-19 stopped the meeting in person, but could not hinder the knowledge exchange between the two parties.

DPRI Director NAKAKITA Eiichi and NCDR Director CHEN Hongey delivered the opening remarks. Director CHEN appreciated all colleagues to be together in the difficult time, and encouraged the young researchers to join and share their researches with each other, to face the “New Normal” of disasters and pandemic together and keep the science and technology moving forward.

There were fourteen presentations from the both sides, and the topics were included Seismic & Social System, Meteorological Hazards, Climate Change, Geological and Hydrological Hazards, as well as the international project that NCDR implemented in the communities of Southeast Asia. DPRI and NCDR both hope to meet in person soon to deep the two parties’ relationship and friendship.



DPRI Director NAKAKITA and NCDR Director CHEN delivered the opening remarks for the 10th DPRI-NCDR Workshop

More Events of NCDR:

- <https://ncdr.nat.gov.tw/oriNCDR/Home.aspx?WebSiteID=873f5b27-b86d-4d5c-a356-c369768bffe9>