

# JICA's Cooperation for Enhancing School Based DRR Education in Turkey

26th November, 2019

Asian Conference on Disaster Reduction 2019, Session 3

Yuichiro TAKADA

Japan International Cooperation Agency (JICA)

1. The Importance of DRR Education
  - i. The Aims of DRR Education
  - ii. The Effectiveness of DRR Education in Japan
  - iii. Key Elements for Successful DRR Education
2. JICA's Cooperation for DRR Education in Turkey
  - i. Introduction of JICA Turkey Office
  - ii. Case Study I: School-based Disaster Education
  - iii. Case Study II: Disaster Education Project
  - iv. Case Study III: Joint DRR Programs with Turkish Japanese Foundation (TJV)
3. Ongoing and Future Cooperation on DRR Education in Turkey
  - i. DRR Training Project for Teachers and Parents of PwIDs
  - ii. DRR Training Program for Pre-service Teachers
  - iii. Seismic Retrofit of Schools as a Community Base



*Who should be responsible for supporting people in local communities to survive from disasters?*

- Local Public Authorities (Public help)
- Local Residents Organizations (Mutual help)
- Local Residents Themselves (Self-help)

“DRR Education” receives great deal of public attention

The primary objective of DRR education is to bolster the disaster resilience of communities, by heightening the DRR awareness of each individual belonging to a community and by forging strong links within the community.



Source: Jiji Press

- The Case of Kamaishi Higashi Junior High School (Kamaishi City, Iwate Prefecture)
  - The Junior High School students held hands with the Elementary school children during the evacuation
  - The tsunami came right up close to where they evacuated to



Source: Cabinet Office



Source: Cabinet Office

# 6 Key Elements for Successful DRR Education

## 1: The Importance of DRR Education

2

3

### People

*Project Leaders*

*Facilitators*

Can you secure “**project leaders**” who will spearhead initiatives, and “**catalysts**” or “**connectors**” whose job is to connect up with a wide range of talented people?

### Governance

*Organization*

*Framework*

Can you construct a **framework for disaster resilience education initiatives**, as well as a cooperative framework within and outside the community?

### Place

*Time*

*Place*

Can you secure **the time and locations** required for disaster resilience education programs?

### Money

*Funds*

*Costs*

Can you secure **the necessary funds for disaster resilience education** while curtailing expenses?

### Material

*Knowledge*

*Materials*

Can you acquire and utilize **the knowledge and education materials** necessary for disaster resilience education?

### “Knack”

*Ingenuity*

Do you have **the uncommon know-how** required to raise the quality of your disaster resilience education initiatives, making them more effective and efficient?

- JICA's first cooperation activity in Turkey
  - Acceptance of trainees in the field of seismology launched in 1959 (This year is **the 60th Anniversary of Japan's ODA\* in Turkey!**)
- Establishment of JICA Turkey Office in June 1995
  - JICA Turkey Office was established as the 52nd overseas office of JICA
- Cooperation Activity Scale to Turkey
  - As of 2017, the accumulated budget allocation for Technical Cooperation is around 46 billion JPY (421 mil. USD), and accumulated commitment of ODA Loan is 697.2 billion JPY (6.4 billion USD)



Source: JICA



Source: Hurriyet Daily News



Source: MoFA, Japan

## “School-based Disaster Education” (Technical Cooperation Project) (2010-2014)

- As a disaster prone country, Turkey is emphasizing disaster preparedness such as not only reinforcements of buildings but also countermeasures of soft-component, especially disaster education

### [Activities]

- 1: Institutionalization of DRR education
- 2: Development of handbooks
- 3: Manual for school DRR plan



### [Achievement]

About 260 teachers from 10 pilot provinces were trained to be a master teacher in order to disseminate the program across the country.



Training of DRR education through TOT

Source: JICA



DRR awareness event

Source: JICA



Disaster drill according to the school DRR plan

Source: JICA

## “Disaster Education Project” (Country-focus Training Program) (2017-2020)

- As the phase II project of “School-based Disaster Education” (2010-2014), this project aims for DRR education training for master teachers of elementary schools, junior high schools and high schools, and administrative officers

Objective (1)	DRR education policies and teacher training in Japan	Objective (4)	DRR education in extracurricular activities at museums and DRR centers
Objective (2)	DRR education at the Faculty of Education at Japanese universities	Objective (5)	Peer learning method between students
Objective (3)	Implementation and promotion of DRR education in Japanese elementary and junior high schools	Objective (6)	Summary of the program and establishment of action plan

### Examples of Training Program

- (1) Lectures at Ministry of Education, Culture, Sports, Science and Technology (MEXT), discussions with principals, and introduction of “EARTH”, etc.
- (2) Curriculum at Miyagi University of Education and Faculty of Education at Shizuoka University, etc.
- (3) DRR Education workshops and class tours at kindergartens, elementary schools and junior high schools, etc.
- (4) Disaster Reduction and Human Renovation Institution (DRI), Sendai 3/11 Memorial Community Center, and earthquake ruins (Sendai Arahama Elementary School), etc.



Explanation of the situation of the earthquake

Source: *The Mainichi*

## “Joint DRR Programs with Turkish Japanese Foundation (TJV)”

- With donation of citizens of Hyogo Prefecture after 1999 Earthquakes in Turkey, Hyogo - Turkey Friendship Fund was established in 1999 by Turkish Japanese Foundation (TJV) and Hyogo Prefecture
- TJV has been managing this fund in cooperation with Hyogo Prefecture, and supporting and implementing various joint DRR programs with JICA

### [Activities]

### *Cooperation Ongoing*

#### 1: DRR Training Invitation Program

- Training in Ankara, Eskişehir and Bursa (in Bursa at AFAD\* Disaster Training Center, and a pilot school of the School-based Disaster Education Project)

#### 2: Regional DRR Training

- “Disaster Friendship Caravan” in Muş, Bingöl, Elazığ and Van provinces

#### 3: Disability-Inclusive DRR

- DRR training for PwIDs, teachers and supporting personnel

#### 4: Material Development



Cultural Exchange at TJV



Training for PwIDs and Accompanies



Training in Disaster Training Center



Disaster preparedness game

Source: JICA

## *Inclusiveness and Equality on DRR*

- DRR training for the special education teachers, which was organized jointly by JICA, TJV and Ministry of National Education (MoNE)
- This is the first training in Turkey that special education teachers received a day training on DRR, specifically designed for the special education teachers.

### [Activities]

#### 1: Special Lecture on DRR

- A) DRR and Teachers' Roles
- B) Special Education
- C) Disaster Psychology

#### 2: Practical Training

### [Achievements so far]

In the first training, within 5 provinces, about 150 special education teachers who successfully completed online training, and about 100 of them received theoretical and practical training



Special Lecture on DRR

Source: JICA



Practical Training

Source: JICA



Completion ceremony

Source: JICA

## *DRR Training for Pre-service Teachers*

- Under the partnership with Middle East Technical University (METU), DRR training program for pre-service teachers is established
- Pre-service teachers are expected to conduct training in elementary and junior high schools using the materials such as puzzle and games

### [Activities]

1: Lecture on DRR

- Two credit compulsory elective lecture at METU

2: Practical Training in Bursa AFAD Disaster Training Center

### [Achievements so far]

32 Pre-service Teachers and 2 academicians from METU received about 4 hours practical DRR training Bursa Disaster Training Center. In addition, JICA ex-participant delivered a lecture at METU



Practical Training

Source: JICA



Practical Training

Source: JICA

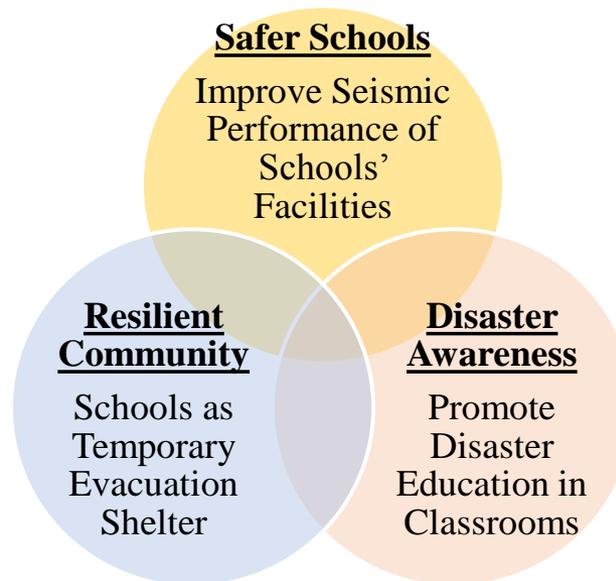


Training Completion

Source: JICA

## *Strengthening the Disaster Resilience of Public Buildings*

- Improving seismic performance of vulnerable schools within the next decade through retrofit and reconstruction
- Utilizing school facilities as community center for disaster prevention and preparedness, and especially as evacuation shelter in any emergency event
- Collaborations with ISMEP\* and similar projects funded by World Bank, EBRD, and other international development institutions will be expected





Source: AFAD

***DRR Education Plays an Important Role for Strengthening Community Resilience and Everybody Should be Involved in It***

***Thank you for your kind attention!***