



Establishment of Life-Safety Education Guideline for Enhancement of School DRR Education in Mongolia

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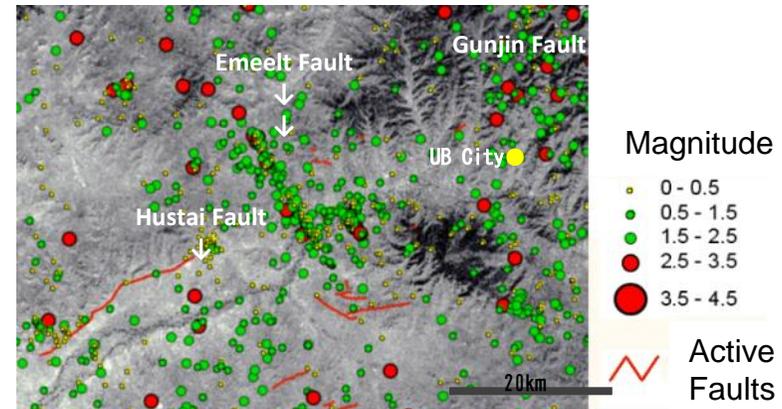
Main Disasters: Dzud (Extreme Cold Weather), Steppe & Forest Fire

Emerging Risk: Earthquake

Dzud

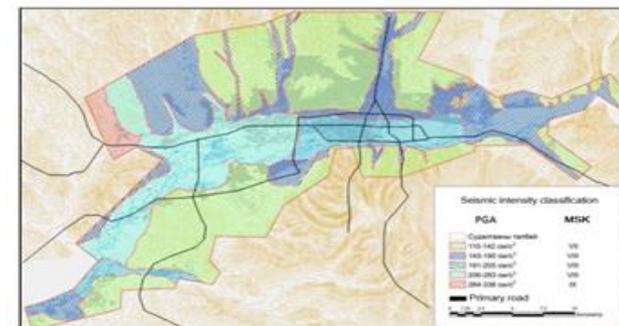
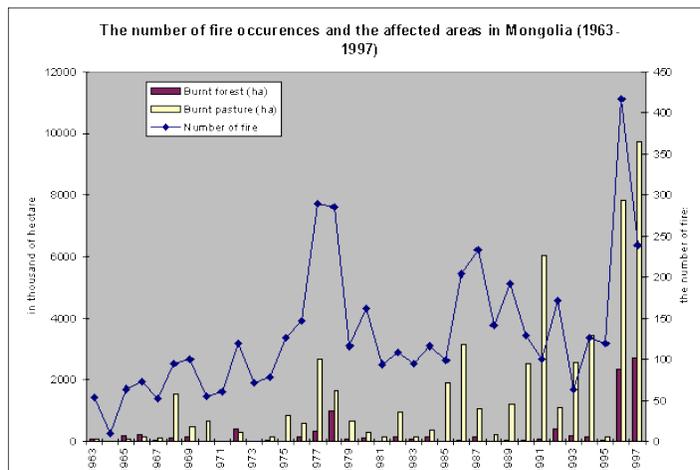


Earthquake



Recent Earthquake Epicenters and Active Faults near Ulaanbaatar city, the capital city of Mongolia

Steppe and Forest Fire



New Scenario Seismic Intensity Zones in the Center of Ulaanbaatar City, Capital City of Mongolia



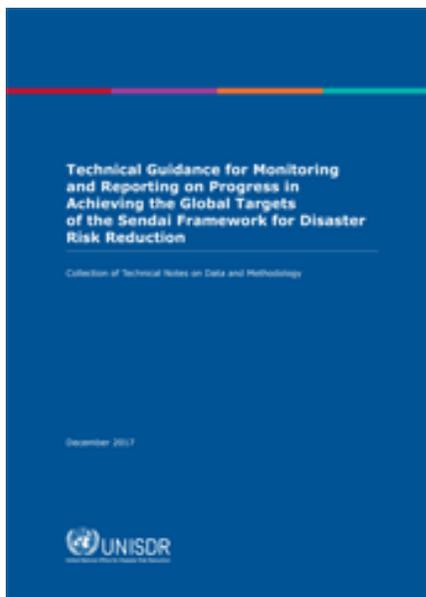
Global Goals for Enhancement of School DRR Education (1) Sendai Framework for DRR (SFDRR) 2015-2030

Priority 1: Understanding Disaster Risk

(g) To build the knowledge of government officials at all levels, **civil society, communities and volunteers**, as well as the private sector, through sharing experiences, lessons learned, good practices and training and education on disaster risk reduction, including the **use of existing training and education mechanisms** and peer learning;

(m) To promote national strategies to **strengthen public education and awareness in disaster risk reduction**, including disaster risk information and knowledge, through campaigns, social media and community mobilization, taking into account specific audiences and their needs;

(o) To enhance collaboration among people at the local level to disseminate disaster risk information through the involvement of community-based organizations and non-governmental organizations.





Global Goals for Enhancement of School DRR Education (2) The 2030 Agenda for Sustainable Development

SUSTAINABLE DEVELOPMENT GOAL 4

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all



Goal 4.7 By 2030, ensure that all learners acquire the knowledge and skills needed to promote sustainable development, including, among others, through education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non-violence, global citizenship and appreciation of cultural diversity and of culture's contribution to sustainable development

Goal 4a. Build and upgrade education facilities that are child, disability and gender sensitive and provide safe, non-violent, inclusive and effective learning environments for all

SUSTAINABLE DEVELOPMENT GOAL 13

Take urgent action to combat climate change and its impacts



Goal 13.1 Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries

Goal 13.3 Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning



Recent Major Legislation for DRR in Mongolia

- Amended Law on Disaster Protection (February 2017)
- National Program of Community Participatory Disaster Risk Reduction (2015)
- Policy of Sustainable Development in Mongolia 2030 (2015)
- Mid-term Strategy to Implement the Sendai Framework for Disaster Risk Reduction (SFDRR) in Mongolia (2017-2030)
- Measures for Earthquake Prevention and Risk Reduction (Parliament Resolution No. 34 of 2016)
- Action Plan for Earthquake Prevention and Risk Reduction (Government Resolution No. 282 of 2016)
- 2016-2020 Government Action Program (Parliament Resolution No.45 of 2016)
 - 3.2.14. **Introduce lessons on life skills and safety in general education schools** and help students acquire the relevant skills on how to lead a safe and healthy life with no accidents.
 - 4.3.3 Improve the legal environment and management of disaster prevention, carry out disaster prevention, disaster risk reduction and early warning activities on a scientific basis, **broaden public participation and enhance the disaster management capacity.**



Outline of the JICA Project for Strengthening the National Capacity of Earthquake Disaster Protection and Prevention in Mongolia

Overall Goal

Seismic risk will be reduced.

Project Purpose

The capacity of the National Emergency Management Agency (NEMA) will be enhanced through the activities for strengthening the countermeasures for seismic risk.

Project Outputs

Output 1: Capacity for data collection on disaster risk reduction and coordination among related organizations will be enhanced.

Output 2: Capacity of public administration officer related to the seismic assessment and seismic strengthening of buildings will be enhanced.

Output 3: Implementing a plan on disaster risk reduction education and awareness raising activities will be developed and realized.

Project Period: 3 years

December 2016

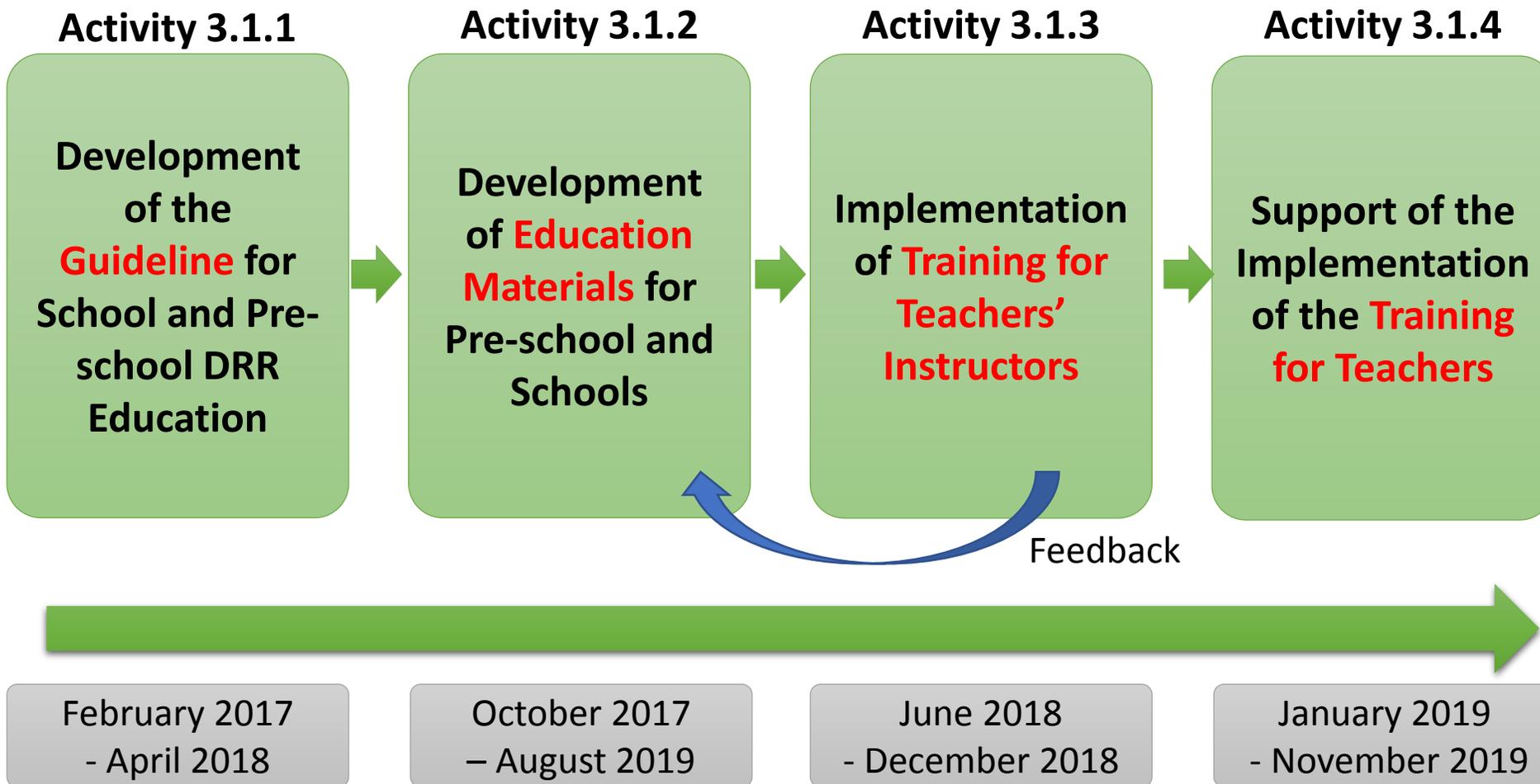
January 2020

OUTPUT3:DRR Education

- **Output 3.1: School DRR Education**
Preparation of disaster prevention education guidelines and teaching materials at kindergartens and schools, training implementation for teacher instructors and teachers.
- **Output 3.2: Community DRR Education**
Education on DRR, development of public awareness raising materials, target groups, training implementation for public.



Flow of the Activities to Incorporate DRR Education in the School Education

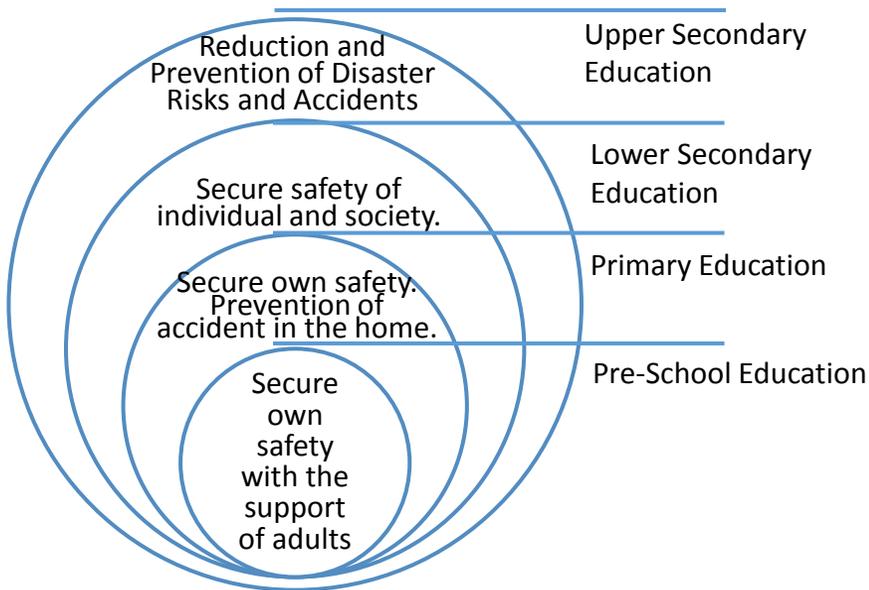




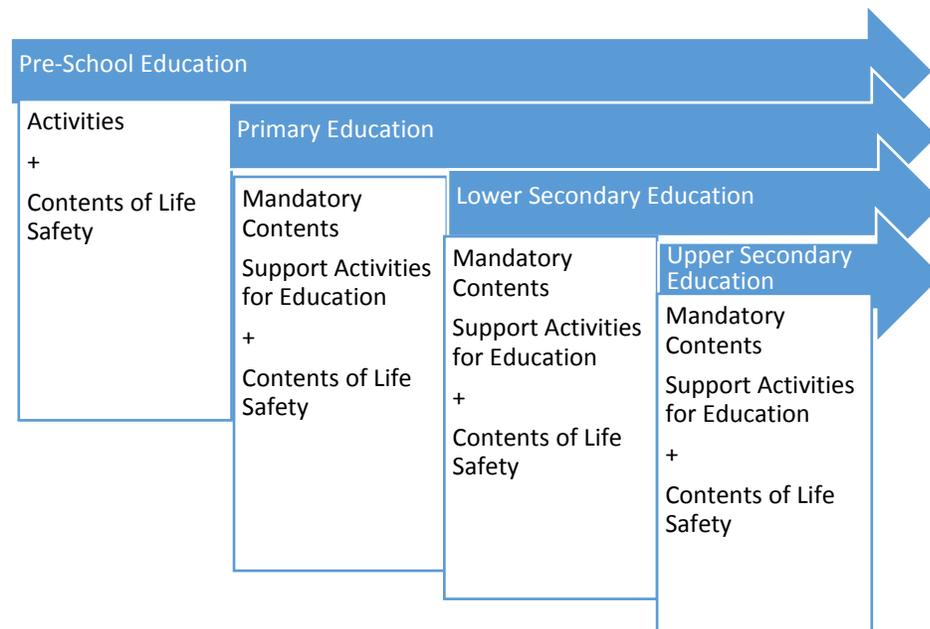
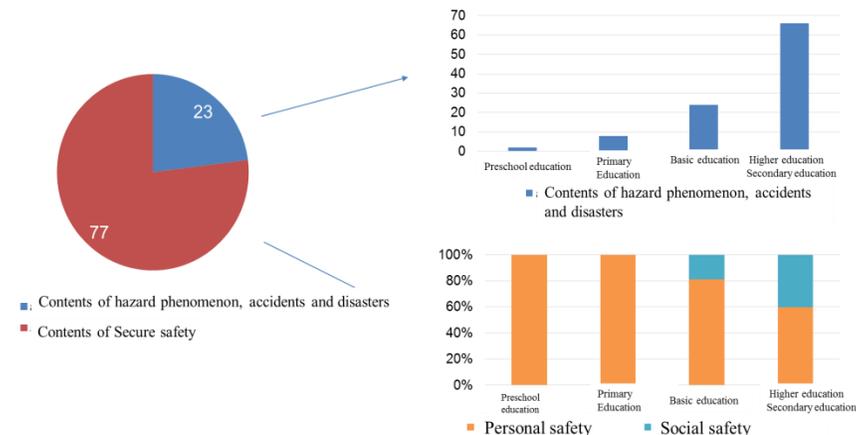
Activity 3.1.1: Development of the School DRR Education Guideline (1)

● Activities for the Development of “Life-Safety” Education Program

- Analysis of Current Situation of Life Safety Education in the School Education (Core Program, etc.)
- Study of Other Countries’ Life Safety Education
- Establish the Concept of Life Safety Education



Contents reflected in the current education





Activity 3.1.1: Development of the School DRR Education Guideline (2)

Life-Safety Education Program

1. Background
2. Purpose of the Program for Life Safety Education
3. Contents of the Program for Life Safety Education
 - ✓ Safety of Environment (Living Environment, Social Environment)
 - ✓ Disasters and Hazardous Events (Natural Disasters, Climate Impacts, Human-induced Risks)
4. Environment and Education Tools and Materials
5. Evaluation of Education

Annex: Matrix of Contents of “Life Safety Education” – Relevance of School Lessons and Education Activities -

Approved by Minister for Education, Culture, Science and Sports on April 6, 2018 as Order No. A181



Subject Contents of Life-Safety Education

	Theme	Sub-theme
Environment Safety	Life Safety	Household Accident
		Safe Use of Medicine and Liquid Material
		First Aid
	Social Safety	Safety Environment of Kindergarten and Schools
		Traffic Safety
		Safe Use of Internet
Hazardous Events, Hazard	Natural Disasters	Air Pollution, Soil Contamination, Water Pollution
		Climate Change
		Earthquake
		Flood, Landslide, Avalanche, Thunder
	Human Induced Disasters	Drought, Dzug
		Storm, Snow Storm, Sand Storm
		Fire (Forest, Step, and Building)
		Epidemic(Human, Domestic Animals)



Activity 3.1.2: Development of the Teacher's Guidebook for the Life-Safety Education Program (1)

Lesson for Grade 8	Lesson for Grade 5	Lesson for Pre-School (Eldest)
<p>“Project for One Day Before a Disaster”</p> <ol style="list-style-type: none">1. History of Earthquakes in Mongolia (PPT)2. Damages caused by Earthquake (PPT)3. Group Discussion: “If you know an earthquake occur tomorrow, what actions are you taking now?”4. Plenary: Preparation and Necessary Actions for Earthquake	<p>“Build Seismic Resistant Buildings”</p> <ol style="list-style-type: none">1. What will be happened in case of an Earthquake2. Making Seismic Resistant Building by Milk Cartons3. Presentation of the Ideas4. Comparison with the Real Seismic Resistant Technics	<p>“How to protect yourself when an Earthquake occur”</p> <ol style="list-style-type: none">1. What is “Earthquake”?2. What to do when an Earthquake occur3. 3 Dangers<ol style="list-style-type: none">a. Danger for fallingb. Danger for topplingc. Danger for breaking4. DRR Card Game “Bosai (DRR) Duck





Activity 3.1.2: Development of the Teacher's Guidebook for the Life Safety Education Program (2)

GUIDEBOOK FOR PRIMARY, MIDDLE AND HIGH SCHOOL

Foreword

The LIFE Safety EDUCATION Program

Introduction

- ✦ Rationale for Developing the Life Safety Education Program
- ✦ Contents of the Life Safety Education Program
- ✦ Structure of the Manual and Points to Be Considered

Chapter 1: General Understanding of Disasters

Chapter 2: Outline of Lessons (Primary School)

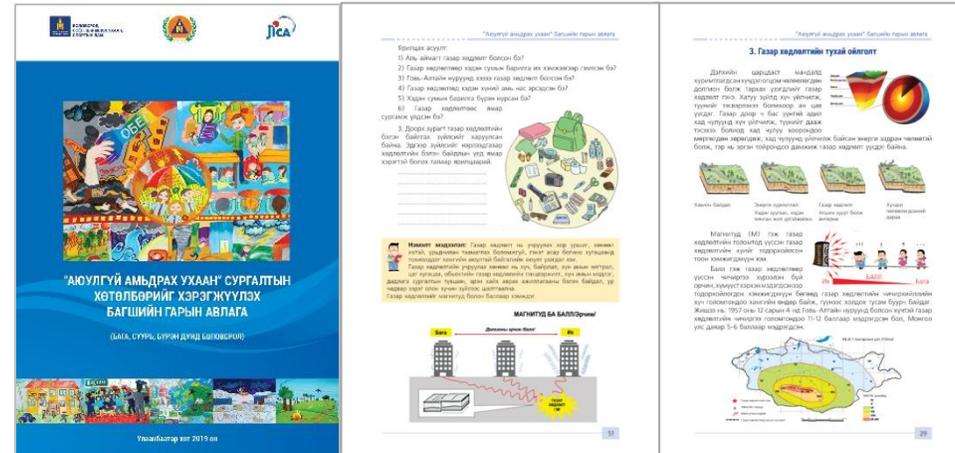
Chapter 3: Outline of Lessons (Middle School)

Chapter 4: Outline of Lessons (High School)

Chapter 5: Contents and Methodology of Activities to Support Training

Terminology

Bibliography



GUIDEBOOK FOR PRE-SCHOOL EDUCATION

Introduction

1. Rationale for Developing the “Safety Life Skills” program
2. Contents of the “Safety Life Skills” program
3. Structure of the Manual and Points to Consider

Chapter 1 General Understanding of Disasters

1. Current Situation of Disasters
2. Disasters, Hazards and Vulnerabilities
3. Understanding Earthquakes

Chapter 2 Including DRR activities in the Curricula of Kindergartens

1. Relation Between the Pre-School Core Curriculum and the “Safety Life Skills” Program
2. Examples of Implementing “Safety Life Skills” Program Activities through Daily School Activities

Terminology

Bibliography





Activity 3.1.2: Development of the Teacher's Guidebook for the Life Safety Education Program (3)



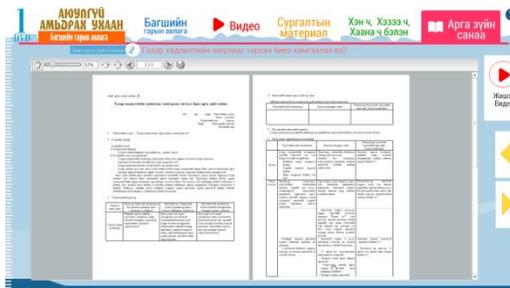
DVD1



e-data of Guidebook



Training Materials



Sample Lesson Plans



Sample Lessons Video



“Anyone, Anytime, Anywhere is Ready” Training Manual

➤ Many education materials are provided in the attached DVDs



DVD2



「Be Ready!」 Education Materials



Paper Theater

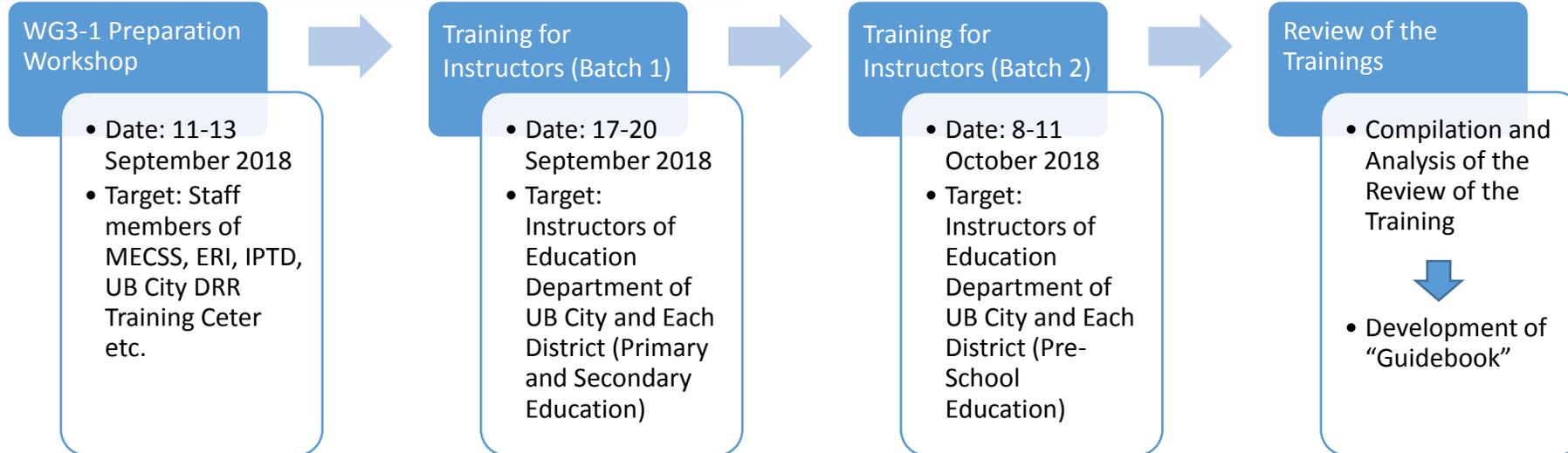


Training Center Earthquake Learning Room Panels



Activity 3.1.3: Implementation of Training for Teachers' Instructors

Schedule of the Training for Instructors



Contents of the Training

- Concept and Outline of the "Life Safety" Education Program
- Outline of DM System and DRR in Mongolia
- Basic Understanding of Disasters and DRR
- Understanding of Basics of DRR Education
- Good Practices of DRR Education
- DRR Education Tools and Materials
- Workshops for Practical Teaching, Teaching Plans for DRR Education, Development of Training Program for Teachers





ОНЦГОЙ БАЙДЛЫН ЕРӨНХИЙ ГАЗАР

Activity 3.1.4: Support of the Implementation of the Training for Teachers Model School Activities for the Lessons of Life-Safety Education

	No.244 Kindergarten	No.13 School	No. 42 School
Seminar for Teachers			
Workshops for Preparation of Research Lessons			
Research Lessons By Teachers of Mongolia			



Fundamental Keys

- ✓ Importance of Close Collaboration between Disaster Management Administrative Organization and Education Administrative Organization for Building Substantial School DRR Education Policy
- ✓ Necessity of Sound Understanding of DRR Education and Active Involvement by the Educational Research Organization Which Develop National Educational Program for Incorporating the DRR Education in the School Education
- ✓ Ensuring Consistency with National School Education Policy, Procedure, and Plans for Sustainable School DRR Education

Future Challenges

- ✓ Compilation of Good Practices of DRR Education at School Level in Mongolia and Providing Opportunities to Share the Practices Among Teachers
- ✓ Regular Implementation of the Training Program for DRR Education to Teachers in Cooperation with the Disaster Management Organization
- ✓ Making the Course of DRR Education Compulsory at Universities/ Colleges of Education for Teacher's Capacity Development
- ✓ Opportunities to Learn Other Countries' Good Practices of School DRR Education for Education Administrative Organization for Updating the DRR Education



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