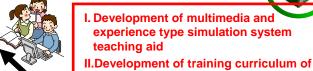
Development & Implementation of Disaster Prevention Education Program for Torrential Rainfall

National University Corporation KAGAWA UNIVERSITY Crisis & Risk Management Research Center

- ①: Making of educational teaching aid of disaster prevention science and technology for localized torrential rain
- 1) Making of educational teaching aid for schoolchildren
 - Development of teaching aids to study basic knowledge of disaster prevention (Disaster prevention literacy)
- 2) Making of teaching aid for high school and university student
- Development of teaching aid using simulation system for training of decision making and evaluation

 3) Making of educational teaching aid for community resident
 Development of learning aid using detailed map of region
- 3: Development and execution of disaster prevention education program to localized torrential rain with practice
-)Development and execution of educational program for grade-schooler and
- teacher to make disaster prevention map

 Disaster prevention education executed at time of on-site training and social study
- E)Educational program development and execution of disaster prevention map-making that gradeschooler, teacher, and community resident can make together
- Disaster prevention education learning city planning with a little damage of disaster with community
- 2: Development and execution of localized torrential rain disaster prevention training curriculum intended for school personnel, disaster prevention administrative staff, and leader of voluntary organization for disaster prevention
- 1)Experiential training system for beginner
- Development of disaster prevention measures basic technique (disaster prevention literacy) learning curriculum
- Organizing of training instruction system and execution of educational instruction
- 2) Training system for mid-career teacher, staff, and disaster prevention leader
 - Development of practicing disaster prevention responsive capability (disaster prevention competency)
- Organizing of training instruction system and execution of educational instruction
- Holding of disaster prevention leader step-up training association
 Learning of techniques for grasping and using latest disaster prevention information



reader

III.Development of practicing educational program of community resident participatory type



Experience type Simulation system



Regional property database of Kagawa Prefecture geography, weather nvironment, social conomy, and land use.

Outline

Result

(1) Making of educational teaching aid of disaster prevention science and technology for localized torrential rain



The familiar name of a place is used to make easily to image.

Plain explanation

- Features of teaching aid to localized torrential rain
- ■Using Power Point : So that everyone may easily use it.
- ■Explanation using animation
- ■A familiar district is used as a teaching aid.
- ■Use of experience type simulation

- Generation mechanism of localized torrential rain
- oriential rain

 2 Generation and growth mechanism of cumulonimbus

 3) Phenomenon(by cumulonimbus)

 4) Feature of localized torrential rain and regional heavy rain

- 5) Downpour experience using car with precipitation system
- Inundation by fiver water and inundation inside the levee
 Cliff crumble
- Kind of disaster prevention equipments and the function
- 1) Drain pump 2) Water sealing plate

- 4. Disaster prevention measures
- 1) How to make breastwork
- 5. Simplicity disaster r Let's understand the feature of the community.
 Standard of rainfall
- 3) Method of gathering information 4) Method of evacuation
- 5) Corrective action on change of weather conditions



||西地区[防災マップ]

Let's see the simulation! (50mm per hour

The main term of teaching aid

2 Development and execution of localized torrential rain disaster prevention training curriculum intended for school personnel, disaster prevention administrative staff, and leader of voluntary organization for disaster prevention



(3) Disaster prevention practice ability master training (Disaster prevention ability stee-up study)

Disaster prevention competency stu 1) DIG (Disaster Image Game)

(1)Basic knowledge of disaster prevention training

orevention literacy study) derstanding of generation mechanism calized torrential rain disaster aaster measures to localized torrential rain etc

- a and tornado disaster age and disaster mitigation measures

- er reporting

(2)Disaster responsive capability training

Course attested with Japanese Bousaishi

Organization

3: Development and execution of disaster prevention education program to localized torrential rain with practice

Jyoushin elementary school disaster prevention education

- Let's know the disaster: The lecture of the earthquake and localized torrential rain.
- Measure the rainfall (experience)
- ■Let's know geographical features and the history of my town.

 The study of the hometown. ■Let's walk in the town looking for disaster prevention : With
- the voluntary organization for disaster prevention ■Let's make the disaster prevention map: With the voluntary organization for disaster prevention
- ■What do you do when regional localized torrential rain is occurred in the upstream in the Ddoki river water friendly park?
- ■Challenge to the disaster training: With the voluntary organization for disaster prevention











localized torrential rain.

*Measure the rainfall (experience).

*Let's know geographical features and the history of my town:

The study of the hometown.

*Let's walk in the town looking for disaster prevention: With

the voluntary organization for disaster prevention

*Let's make the disaster prevention map: With the voluntary

organization for disaster prevention

*What do you do by using simulation system?

**Ahalenze to the disaster training: With the voluntary

- Challenge to the disaster training: With the voluntary organization for disaster prevention