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Definition of Disaster (A1)

- Framework Act on the Management of Disaster and Safety, Article 3
- Countermeasures against Natural Disaster, Article 2

Natural Disaster and Social Disaster, which can damage lives, bodies, property, and the nation as whole

**Natural Disaster**
Disaster caused by natural phenomenon such as typhoons, floods, heavy rain, gales, storms, tsunamis, heavy snow, lightning, drought, earthquake, etc.

**Social Disaster**
Disaster which exceeds the damage regulated by Presidential Decree, such as fires, collapses, explosions, traffic accidents, environmental pollution, the paralysis of national infrastructures, and damages by infectious diseases
Other Definitions

- Period of Disaster Events (A3)
  - the period starts at issuing time of special weather report by Korea Meteorological Administration
  - the period ends at releasing time

- Disaster Affected Population (A4)
  - The Dead and Injured
  - Decision by Local Authorities

Decision on Injured people for Government Subsidies is done by Local or Central Government according to *Enforcement Decree of the Industrial Accident Compensation Insurance Act (over than 7th Grade)*
Damage Investigation and Recovery Plan Scheme

- Damage Occurred
- Report to Local Authorities
- Investigation
- Decision on National Subsidies
- Local Government Joint Investigation
- Central Government Joint Investigation
- Establishment of Recovery Plan
- Confirmation of Recovery Plan
- Establishment of Recovery Plan
- Confirmation of Recovery Plan
OVERVIEW ON DISASTER STATISTICS
Yearbook and Publisher (A2)

- Three Types of Statistical Yearbook
  - Natural Disaster Statistical Yearbook
  - Human-made Disaster Statistical Yearbook
  - Fire Statistical Yearbook

- Publisher
  - National Emergency Management Agency (NEMA)

- Users
  - Researchers, Government
Data Sources: Administrative Data

- Local Governments
  (6 metropolitan cities, 8 provinces, 1 special city, 1 special province)

- Relevant Government Organization
  (Ministry of Land, Infrastructure & Transport, Korean National Police Agency, etc.)

Collection Method

- Reporting to NEMA
Natural Disaster Statistics

- Type of Disaster
  - Typhoon, Flood, Heavy Rain, Gale, Heavy Seas, Tsunami, Heavy Snow, Drought, Lighting Strike, Earthquake, Yellow Sand, Red Tide, Others

- Data
  - Number of Casualties, Scale of Damage
  - Recovery Costs (Subsidies)

- Classification
  - Period, Types of Disaster, Government Agency, Administrative Area, Facilities (Public & Private)
### Human-Made Disaster Statistics

#### Central Government (15 fields)
- **Central Disaster and Safety Countermeasures Headquarters**
- **Head: Minister of Security & Public Administration**

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<td>Airplane Accidents</td>
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Human-Made Disaster Statistics

- Local Government (8 fields)
  - Collapse
  - Water Accidents
  - Climbing Accidents
  - Falling Accidents
  - Agricultural Machine Accidents
  - Bicycle Accidents, Leisure Accidents,
  - Amusement Park Accidents

- Data
  - Number of Casualties, Scale of Damage

- Classification
  - Period, Types of Disaster, Administrative Area
03

DISASTER IMPACT EVALUATION (SUBSIDIES)
Disaster Impact Evaluation

- **Purpose**
  - To support people hurt from disaster

- **Relevant Law**
  - Framework Act on Disaster and Safety Management
  - Presidential Decree on Disaster Relief and Disaster Recovery Cost

- **Types of Damage**
  - Human and Material Damages
Damages

- Human Damages
  - Loss of life, Missing and Injured people

- Material Damages (A5)
  - House
  - Agricultural, Forestry and Salt Farm Facilities
  - Fishery Facilities
  - Boat
  - Livestock
  - Agricultural and Forestry Products
Subsidy Standard Index
- \([\text{Unit Price} \times \text{Subsidy Rate}] / 1,000\)
  - Unit price is officially announced
  - Subsidy rate was decided by the Presidential Decree on Disaster Relief and Disaster Recovery Cost

Disaster Index
- Subsidy Standard Index \(\times\) Quantity of Damage
  - Quantity: area, volume, unit

Subsidy
- Subsidy in Terms of Equivalent Level by Disaster Index
CONCLUDING REMARKS
Further Development

- Enhancing the Manpower on Statistics
  - Checking the Quality (consistency, reliability, etc.)

- Centralizing Collecting System
  - Utilizing Automatic Data Collecting System
  - Employing Data Editing System

- Increasing the Role of Statistics Korea
  - Checking the Quality
  - Setting up the Standard Classification
  - Developing Related Statistics or Indicators on Disaster Impact/Evaluation/Forecasting Analysis
Thank You!!