WEB BASED DAMAGE AND NEED ASSESSMENT

ECRRP-D1 Project
Department of Disaster management(DDM)
Ministry of Disaster Management and Relief

The SOD included two way of damage and need assessment:

- SOS (within 24 hours of disaster event)
- D-Form (within two weeks of disaster event maximum by three weeks)

Currently both the format fill-up manually and it takes time.

The Proposed Systems
Development of Customize Software for Management of Damage and need Assessment.

✓ Development of Customize Software for Management of Damage and need Assessment

✓ Web Based Hazard ,SOS and D-Form Based Information

✓ Entered data will be stored on database with Geocode of each administrative (Division, District, Upazila and Union) unit.

✓ User interface forms will be developed by page by page integrated with data validation system. Picture uploading option to be provided in each type of form

✓ Calculate Damage and Loss with providing option of present valuation of goods, properties etc

✓ Report Generation with Graphs and Pictures

✓ Provide site map (architecture) of the total system
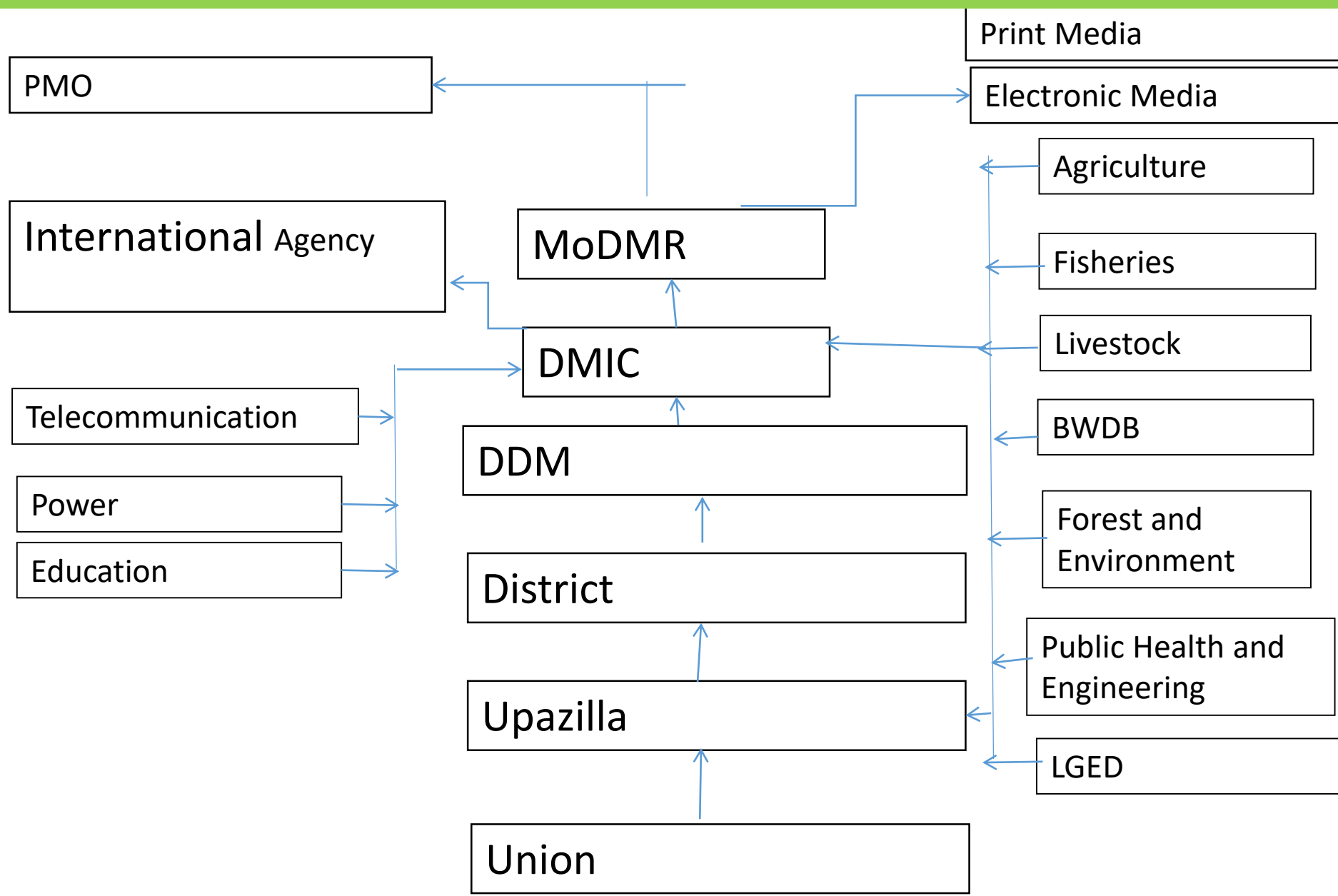
Software Execution Plan

Report Flow/Flowchart

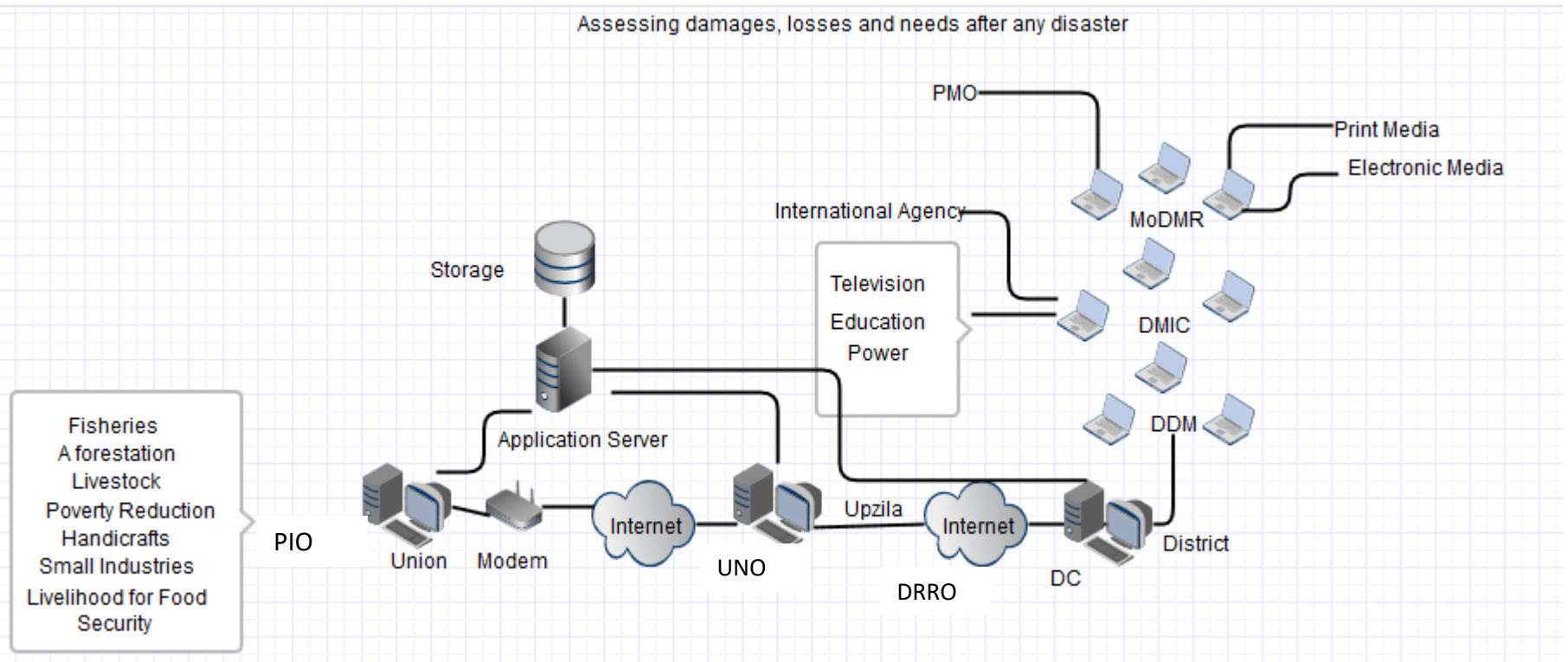# Output of the Application

Major Hazards Types and Impacts

> **Flood**
>
> **Cyclone & Strom surge**
>
> **River bank erosion**
>
> **Earthquake**
>
> **Drought**
>
> **Salinity intrusion**
>
> **Arsenic contamination**
>
> **Industrial hazards**
>
> **Fire**
>
> **Tsunami**
>
> **Seasonal unemployment (Monga)**

Damage and Need Assessment Report Data FLOW

Accessing damages, Losses and needs after any Disaster

Assessing damages, losses and needs after any disaster

Damage & Loss of Cyclone

Death Toll	3363
Missing Persons	871
Total Affected Districts	30
Worst affected Districts	04
Badly affected Districts	08
Moderately Affected Districts	18
Affected Upazila	200
Affected UP/Municipality	1,950
Affected Family	2,064,026
Affected People	8,923,259
Injured Persons	55,282

DNA Software

Screen Short

DNA Software Home Page

UNO, DRO and DC Confirmation Screen

D-Form Report

DAMAGE AND NEED ASSESSMENT SOFTWARE

Division	Select Divisions ▾
District	Select District ▾
Upazilla	Select Upazilla ▾
Hazard	Select Hazard ▾
Year	2014 ⬍
DForm	Select DForm ▾
	Search

D-Form Search Criteria

| Division | Barisal ▾ | District | Barguna ▾ | Upazilla | Amtali ▾ | Hazard | Flood ▾ | Year | 2014 ⬍ | DForm | Select DForm ▾ | | Search |

Affected populations Graph

District: Netrokona

Upazilla: Durgapur

Affected Populations

Population	Affected Population	Dead	Injured
50,00,000	1,00,000	100	5000

UPAZILA MAP
UPAZILA DURGAPUR
DISTRICT NETROKONA