

**Inputs provided by:** Sudan Meteorological Authority

**1. General description of mandates and objective(s) of your organization / associated network with institutional structure**

*(Please provide information on organizational mandates and objective(s) of the organization / associated network with organizational/institutional structure, as explicitly and/or implicitly relevant to addressing loss and damage associated with climate change impacts, including extreme weather events and slow onset events. Please feel free to expand the boxes as needed throughout the template. )*

**Mandate of Sudan Meteorological Authority (SMA):**

SMA has a mandate from Government of Republic of Sudan to monitor all the meteorological activities in Sudan. No agency or institution is entitled to carry out such activities without a proper liaison with SMA. The mandate of the Sudan Meteorological Authority is the provision of Meteorological information and services for the safety of life, protection of property and conservation of the natural environment to ensure growth of the economy, poverty alleviation and eventually for the sustainable development of the nation.

**Mission:**

The overall mission of the SMA is to observe and understand Sudan weather and climate and provide meteorological services in support of Sudan's national needs and international obligations. This overall mission involves the following basic missions:

- a. **Monitoring:** Observation and data collection to meet the needs of future generations for reliable homogeneous national climatological data;
- b. **Services:** Provision of meteorological and related data, information, forecast, warning, investigation and advisory services on a national basis and advise the Government on all matters relating to meteorology;
- c. promote the most effective use of meteorological services;
- d. Monitors and predicts the state of the climate;
- e. SMA is the official source for public weather warnings and the principal scientific authority for standards, information and advice on the past, present and future states of the atmosphere;
- f. establish and maintain a national network of meteorology stations and observing stations ensuring a high standard of quality;
- g. provide information and advise the Government of severe weather conditions likely to affect the safety of human life or property in Sudan;
- h. Research directed to the advancement of meteorological science and the development of a comprehensive description and scientific understanding of Sudan's weather and climate;
- i. provide meteorological data and advice in support of selected national development projects and other important weather sensitive economic activities;
- j. collect, collate, archive and make available meteorological data as requested for the purpose of assisting persons and authorities engaged in primary production, industry, trade and commerce;

- k. co-operate with any authority administering meteorological services in other country;
- l. Fulfillment of national, regional (ICPAC), Arab League-Environment Administration (Secretariat of Meteorology) and international obligations under various conventions such as WMO, ICAO, IOC/UNESCO, IMO, JCOMM (GCOS); FAO and WFP etc;
- m. make arrangements and enter into any contract or agreement with any ministry, authority or person in Sudan or outside Sudan to compile and record meteorological reports and information;
- n. arrange means of communication for the transmission and reception of meteorological reports and information in Sudan or outside Sudan;
- O. Development of archival systems for long-term climatological records;
- p. Playing its role jointly as a partner with the Higher Council of Environment and Natural Resources (HCENR) which was designated as the focal point in scientific and technical assessment of climate change under the Agenda of IPCC and UNFCCC conventions and protocols;

Sudan Meteorological Authority (SMA): currently is doing very hard to enhance the adequacy of the observation network to install the AWSs at the locations of the key stations through a self-financed project and a technical assistance is going on to revive the silent stations in the selected states of NAPA project and the Project of **Climate risk finance for sustainable and climate resilient rainfed farming and pastoral systems** is now started in the inception phase for information collection and most probable the implementation will be on January 2014. SMA is a major partner leading the EWS group. SMA role is to provide the weather information and forecast for the issuing the Weather Index Insurance for smallholder farmers, pastoralists as end users, Banks and Insurance & reinsurance Companies and climate risk is mainly focusing on drought and floods as the most dominant extreme events. This project is funded by GEF and implemented by UNDP.

## 2. Relevant operational framework(s)

*(Please provide information on the relevant operational framework(s) (e.g. programming principles, resource allocation strategies, coordination mechanism for operations at different levels etc.) within your organization/associated network as relevant to implementing work related to risk management for loss and management associated with climate change impacts)*

***The programme principals are to enhance the observation network with full capacity building for the staff and recruiting new staff and rehabilitation and modernization of the network from local resources in addition to the fund provided by GEF with strategy extended to four years with ranking priority for the addressed states selected as the most vulnerable ones in the country. The coordination for EWS will be composed from SMA, Remote Sensing Authority and Humanitarian Aid Commission (HAC), Financial***

**Institutions ( Banks and Insurance Companies). Ministry of Agriculture, Livestock, Water Resources and Electricity, Unions of rainfed farmers and Pastoralists, NGOs, CBS and Gender Unions, and local communities cooperation.**

### **3. Focus areas of risk management for loss and damage associated with climate change impacts**

*(Please provide information on the areas of work in relation to the items included in decision 3/CP.18 as listed in the introductory note as well as any additional focus areas, that your organization/associated network has been mandated to address. These could include relevant institutional policy statements/operational guidance documents etc. Please provide web links where further details can be found.)* **The focus will be on states of poor coverage and the addressed NAPA six states(El Gadaref, South Darfur, North Kordofan, Kassala, White Nile, and River Nile states)**

### **4. Geographic coverage**

The coverage takes place in two areas of west Sudan, two in the east, one in the central and one in the north of Sudan)

### **5. Key stakeholders**

**Unions of smallholder rainfed farmers and pastorlists, Financial Mechanisms (Banks, and insurance and reinsurance companies), EWS institutions (SMA, RSA and HAC),Minitries: Agriculture, Livestock, Waater Resources and Electricity, Research Centre for Agriculture (RCA), Gender Unions, NGOs,CBS, and local Communities associations.**

### **6. Implementation modality / delivery mechanisms**

*This will be settled after the approval of the inception phase (MicroEnsure International Consultancy is assigned for that)*

Please provide information related to the technical, financial and institutional support mechanism  
Technically we have been advised by MicoEnsure consultancy Company using guiding Templates and the teams in good progress. Financially the fund was already released from GEF through UNDP. There is a good responding from the related institutions where each time knows its role and commitments under a ceiling time roof.

Please provide information related to reporting, if any

### **7. Key activities / outputs to date: States visits has been covered (focus discussion groups) for each state, information collected from the stakeholders, information collection is going on and now we**

are doing compilation and link of the reports

8. Any additional information and contact details: No