

**Gaps and needs in data and observations,
opportunities and recommendations for impacts
and vulnerability assessment in support of
adaptation in Uzbekistan**

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**At present Uzbekistan is preparing the Second
National Communication under UNFCCC**

We are considering the following key sectors:

**Climate system
Water resources
Agriculture
Public health
Extreme events
Biodiversity
Forestry
Ecosystems**



**Key
sectors**

Climate observation status in Uzbekistan

In the territory of Uzbekistan we are operating:

79 meteorological stations;
130 hydrometeorological stations

Besides National hydrometeorological service of Uzbekistan receives the information from **the various satellites** :

Meteosat-5 (every 30 minutes)

Meteosat-8 (every 15 minutes)

NOAA- 15,17,18 (every 8 hours a day for each satellite)

At 12 meteorological stations **Evaporation observations are measured**
At 6 meteorological stations **Solar radiation observations are measured**
3 radar stations are providing realtime rainfall information

3 stations of National Hydrometeorological Service of Uzbekistan included into the Global Climate Observing System (GCOS)

Uzbekistan regularly submits data to the international centers

Gaps and Needs in V&A assessment of climatic system and water recourses in Uzbekistan

Problems of regional level :

- Glacier observations are not conducted in practice;
- There is not enough observations over a snow cover in mountains;

The most important aspect:

- Hydrological observations in the runoff formation zone are rare;
- Lack of monitoring of transboundary water resources.

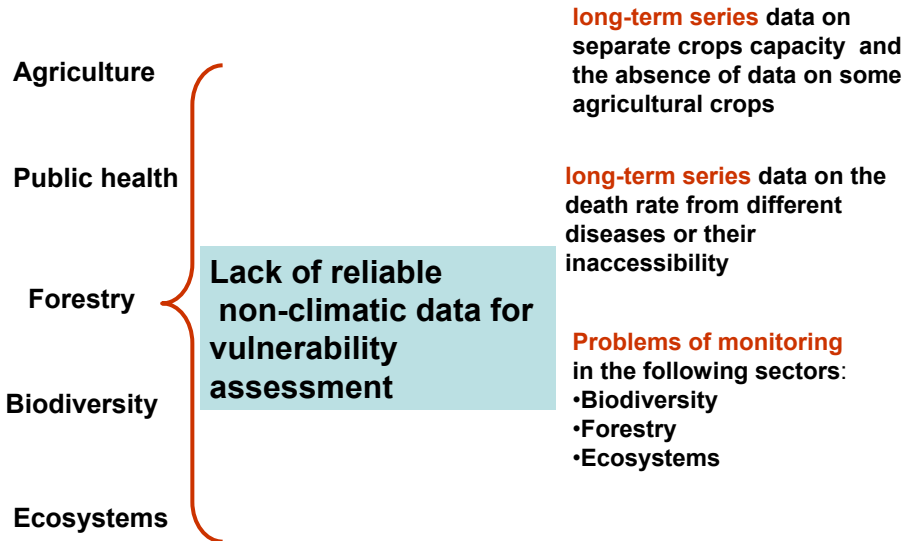
Problems of national level:

- There is out-of-date equipment at some meteorological stations and hydrological posts. It lowers the quality of climatic observation.

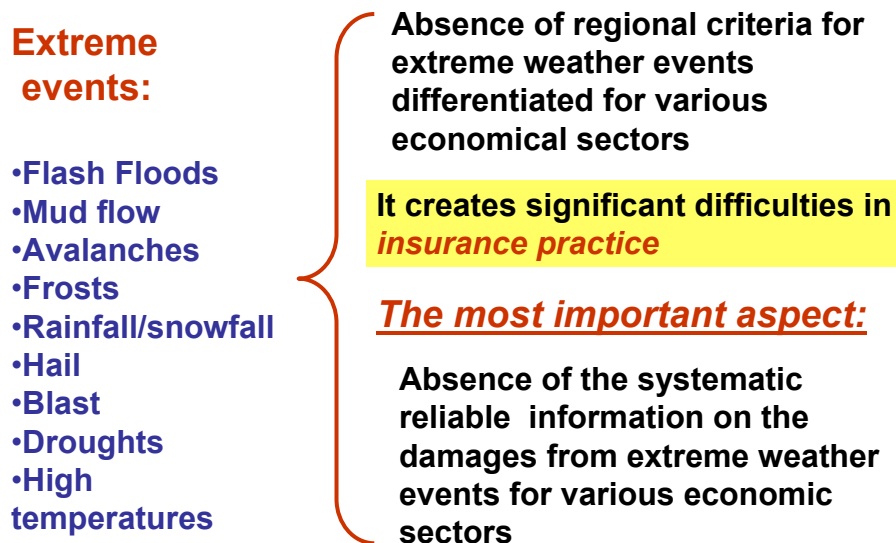
The most important aspect:

- There is a big uncertainty in the water use estimation in the territory of Uzbekistan.

Gaps and Needs in V&A assessment of other sectors in Uzbekistan



Gaps and Needs in V&A assessment of other sectors in Uzbekistan



Approach to addressing the gaps

- **The development of recommendations, methodologies and schemes** of submission to the national climate change team of the non-climatic statistical data by the relevant sectoral agencies, including the information about the economic losses caused by natural disasters.

- **Development of the Information system and database on the damages from extreme weather events**

- **The creation of the regional web-based databases of specific data for vulnerability assessment (both climatic and non-climatic)**

for example

- ✓ hydrological observations in the runoff formation zone,
- ✓ the death rate from different diseases.

Approach to addressing these gaps

- **Development of insurance systems for extreme weather events** – *In Uzbekistan the part of agricultural insurance is only 2%.*

- **Implementation of the international standards for maintenance of the state statistical data at the regional level**

➤ *Assistance from the international process and the Nairobi work programme is needed in acquiring the international experience in the collection and use of the specific non-climatic and climatic data for vulnerability and adaptation assessment.*



THANK YOU