

Scenario Exercise (use template below) – FLOODS

Intergovernmental Panel on Climate Change (IPCC) & observations in Pakistan:

In Pakistan, there has been a slight increase in the average yearly rainfall over the last century. Climate change is likely to cause an increase in extreme rainfall events, as well as increase the chance of coastal flooding due to sea level rise.

1. List briefly the key impacts on communities of changes in flood patterns (think across DM, health, livelihoods etc)

Theme of scenario	Years trend	Months	Weeks	Days	Hours	Response &
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						recovery
Flood	Increasing intense rainfall events. More flooding events.	Seasonal forecast for above average rainfall.	Ongoing heavy rainfall.	Ground is saturated. High water levels upstream. Forecast of continued rainfall. High risk of floods.	Flood water moving to affected areas.	Flood has receded
Theme of scenario 2. What are we (national/local DM & health programmes) already doing that helps address these impacts?	Years trend	Months	Weeks	Days	Hours	Response & recovery
3. As flood patterns change what will the NS need to do more/less of, differently or better? Be specific.						
4. What information sources are available at different times to aid decision making? (years, months, weeks, days, hours ahead?)						

5. How might this information reach the community level?

Scenario Exercise (use template below) –DISEASE OUTBREAK

Intergovernmental Panel on Climate Change (IPCC) & observations in Pakistan:

Changes in rainfall and temperature can cause changes in the prevalence rate of infectious diseases in Pakistan. If a disease moves into a new location, people might not have immunity, and outbreaks can occur (especially malaria in the north). Diseases that have been shown to increase after flooding in Pakistan are: diarrhea, skin & eye infections, leptospirosis, malaria, leishmaniasis, respiratory infections, and hepatitis

1. List briefly the key impacts on communities of disease outbreaks (think across DM, health, livelihoods etc)

Disease outbreak	Changes rainfall patterns affect regional spread of disease risk	Wet season approaching	Heavy rainfall has happened	Optimal habitat and transmission rates for diseases are occurring	A few cases of disease are diagnosed	An outbreak has been confirmed
2. What are we doing to address this?						
Theme of scenario (National/local DM & health programmes) already doing that helps address these impacts?	Years trend	Months	Weeks	Days	Hours	Response &
3. As disease patterns change what will the NS need to do more/less of, differently or better? Be specific.						
4. What information sources are available at different times to aid decision making? (years, months, weeks, days, hours?)						

5. How might this information reach the community level?

Scenario Exercise (use template below) – SEALEVEL RISE/COASTAL EROSION

Intergovernmental Panel on Climate Change (IPCC) & Pakistan observations:

The rate of sea level rise is increasing, it is now 3.1mm per year compared to previous rate of 1.8mm per year. Future impacts could include salt water intrusion into freshwater resources, increased storm surge damage (especially in the urban area of Karachi) loss of agricultural land and erosion along coastal settlements.

1. List briefly the key impacts on communities of changes in sea level/increased erosion (think across DM, health, livelihoods etc)

						recovery
Coastal Erosion/ SEA LEVEL RISE	Low lying coastal areas experiencing repeated storm surges and are vulnerable to erosion of coastline	Wet season approaching, increased risk of storm surges	Meteorological office warns waters are warm and there is near potential for storm	Storm forecast - storm surges are likely to result in flooding with salty water.	High tide forecast, storm approaching, reports of communities in low lying areas being flooded.	Storm has past, waters have receded
2. What are we (national/local DM & health programmes) already doing that helps address these impacts?						
3. As flood patterns change what will the NS need to do more/less of, differently or better? Be specific.						
4. What information sources are available at different times to aid decision making? (years, months, weeks, days, hours ahead?)						

5. How might this information reach the community level?