






# WHAT IS THE FLOOD?



- 
- *A flood is an overflow of water that submerges or drowns land.*

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- *The European Union Floods Directive defines a flood as a covering by water of land not normally covered by water.*

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- *The dictionary defines a flood as: An overflowing of a large amount of water beyond its normal confines.*





# Causes of flood

## Natural

- Heavy rains
- Melting of ice during volcano eruption
- Undersea earthquake
- Marine landslip

***Meltwater + Volcanic ash & other debris***

***LAHAR***

## Man-made

- Bank erosion
- Breach of dam/barrage/embankment

# Floods

## Cause and Effect

### How floods form:

- Often caused by extreme weather – thunderstorms, snow and ice melts, hurricanes

### Main features:

- Overflowing of water onto land that is normally dry
- Can last a few minutes (flash flood) to months

### Weather related

Changes in habitats – destruction of habitats, water contamination, loss of animals due to drowning

Changes in landforms: mudslides, erosion of land

Other impacts: loss of life, disease, property loss or damage, destruction of crops and livestock.

## FLOODS IMPACTS

- Human Loss
- Property Loss
- Affects the Major Roads
- Disruption of Air / Train / Bus services
- Spread of Water-borne Communicable Diseases
- Communication Breakdown
- Electricity Supply Cut off
- Economic and Social Disruption
- Increase in Air / Water Pollution

# Definition of Drought

- A drought is a damage of a ground usually caused by dry weather.



## Causes of Drought

- Droughts occur when there is no rainfall from a long period of time.
- It usually happens in summer, because in summer weather gets hot and ground evaporate water. So, ground need more water but it can't get water so drought occurs.

# Effects of drought

Economic	Environmental	Social
Farms are effected	Disease	Food shortage
Damage to crop	Damage to plants	Human deaths
Less food production	Erosion of soil	Mental stress
	Reduction of fish habitat	water user conflict

# Prevention

- First of all, we cannot prevent drought but we should try to prevent droughts as it causes huge damage.
- To prevent droughts we should preserve as much water as we can, we should use water in limit.
- We should save rain water in proper ways, and protect underground water.

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## ....Prevention

- We should plant as much trees as we can.
- We shouldn't cut down trees for economic purpose or for any other purpose.



# What is a Hurricane?

- A hurricane is a large, spinning wind system that develops over warm seas near the equator
- Hurricanes are technically tropical revolving storms
- They are characterized by rotating winds that have the speed of about 75 mph