

# WHAT IS THE FLOOR



- A flood is an overflow of water that submerges or drowns land.
- The European Union Floods Directive defines a flood as a covering by water of land not normally covered by water.
- The dictionary defines a flood as: An overflowing of a large amount of water beyond its normal confines.



#### 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**

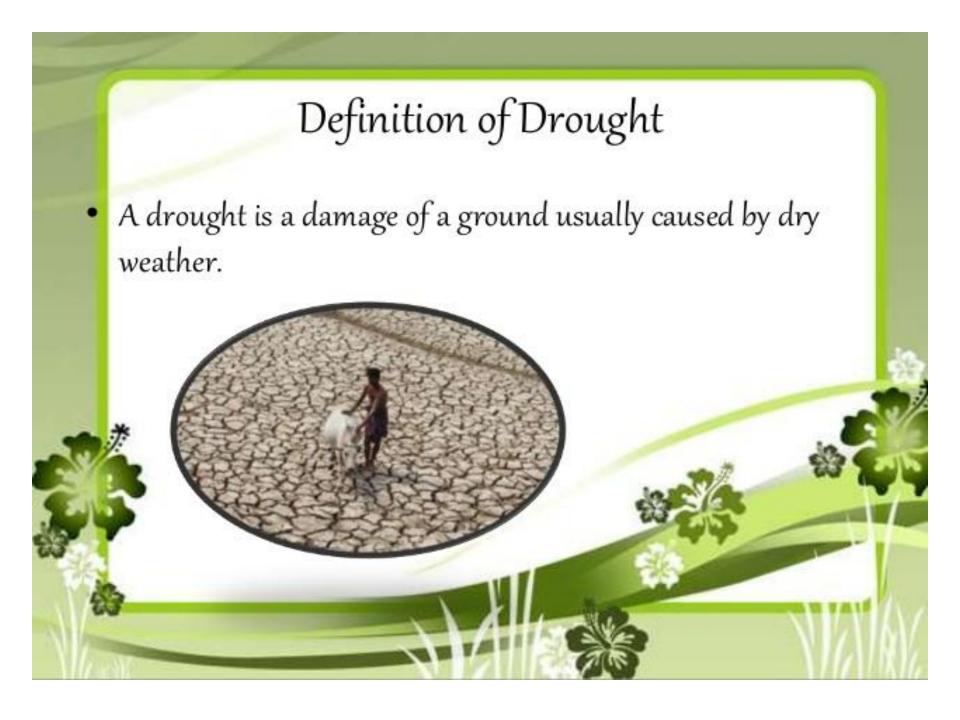
Changes in habitats – destruction of habitats, water contamination, loss of animals due to drowning

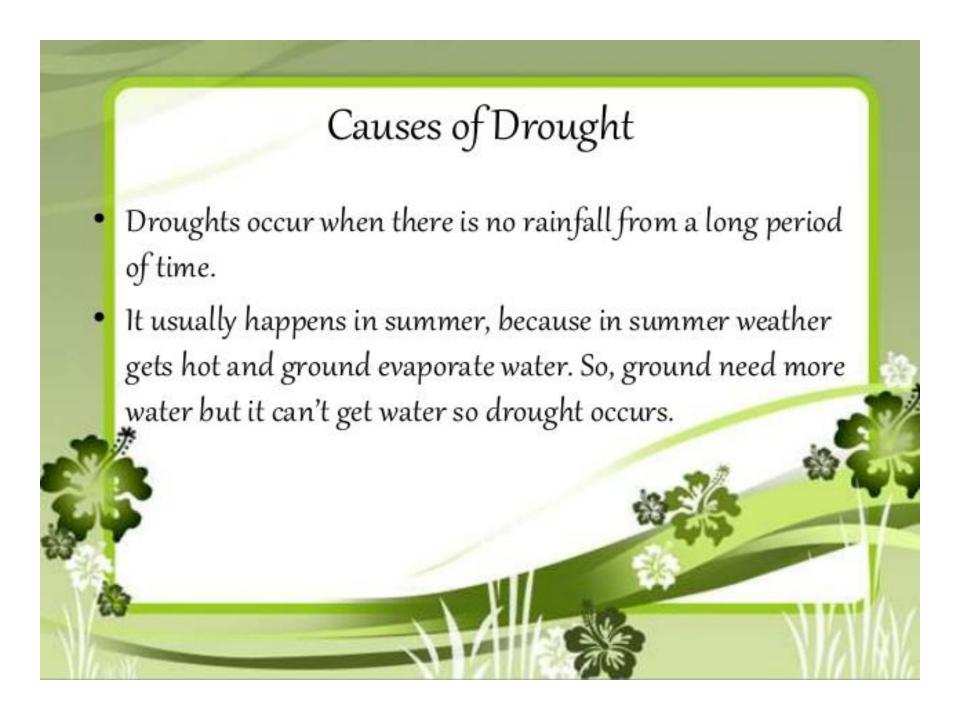
Changes in landforms: mudslides, erosion of land

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







Economic Environmental Social

Farms are Disease Food shortage

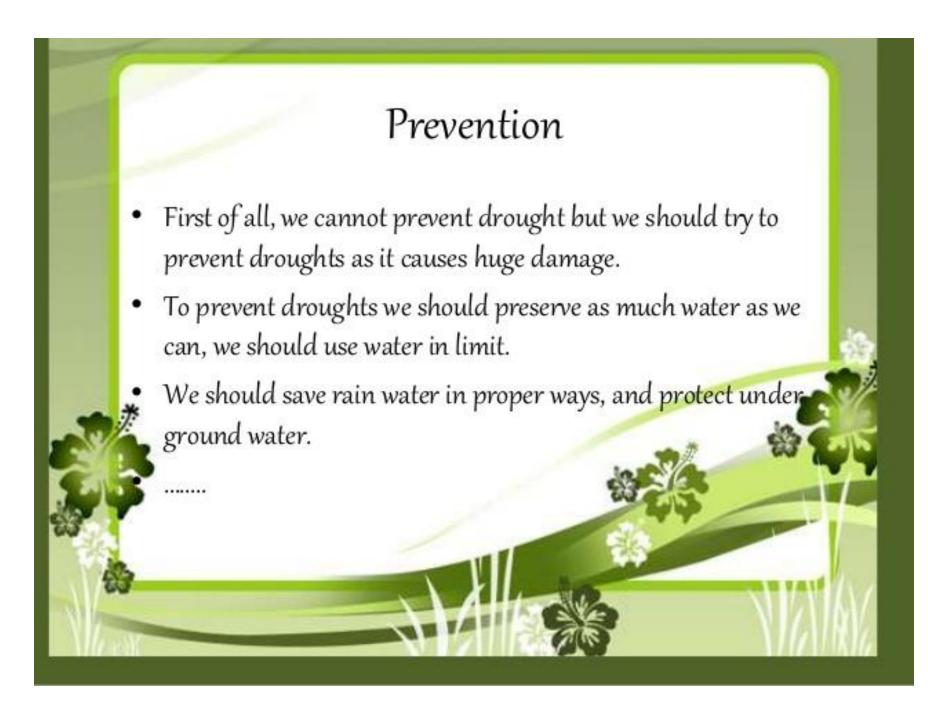
effected Damage to plants Human deaths

Damage to Erosion of soil Mental stress

crop Reduction of fish water user

ess food habitat conflict

production





## 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