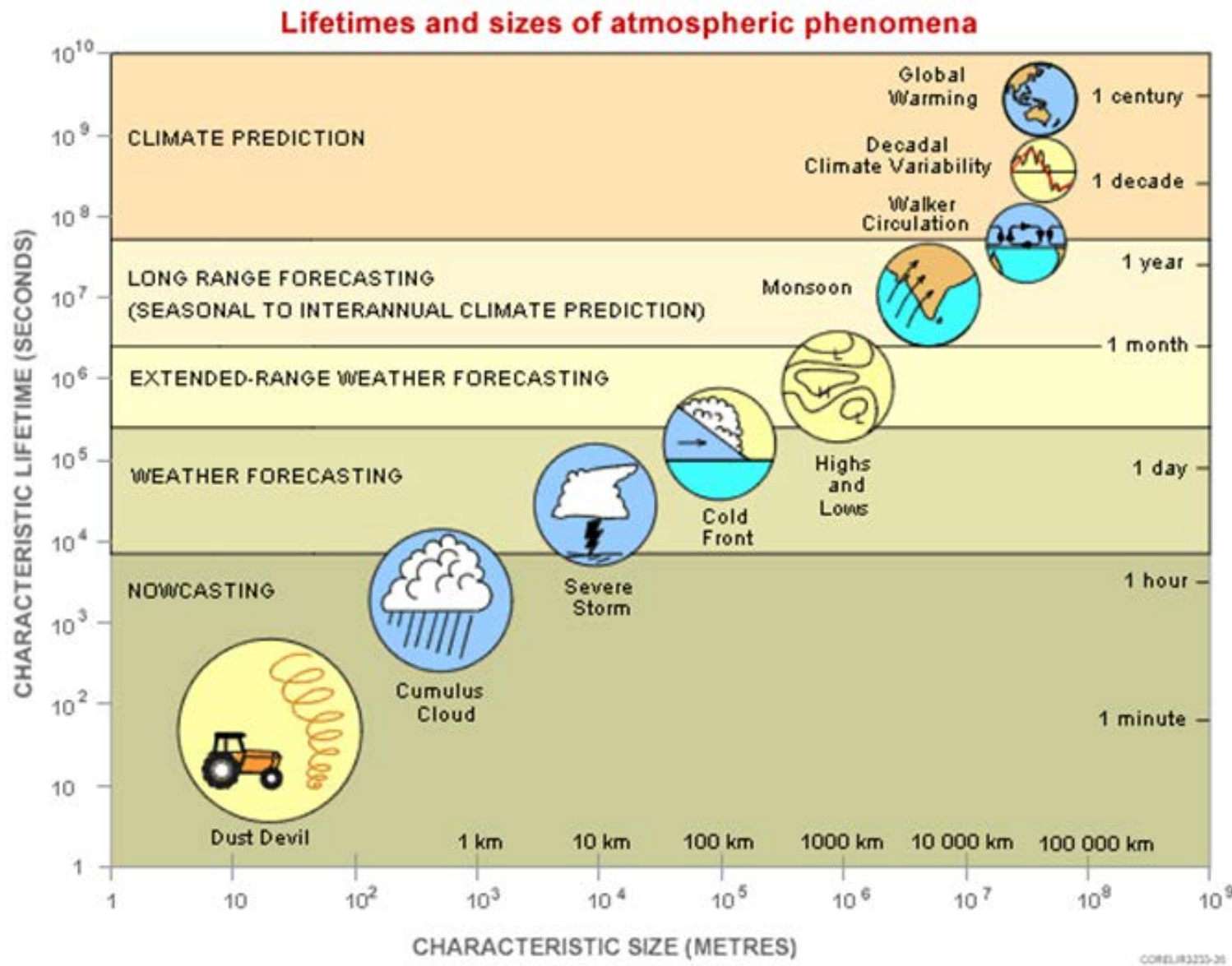


# **Climate and Scale of Change**

## **Climate change impacts on agriculture sector (source IPCC 2007 & FAO 2008)**

- Food production to increase 70% by 2050
- Cold periods becomes warmer and shorter & hotter days and nights – outbreak of insect pests and pathogen
- Sporadic, frequent Heavy intense rainfall events – crop damage, soil erosion, water logging
- Inadequate water supply & reduced supplementary irrigation (unreliable)  
Vulnerability limits adaptation
- Extreme weather events – drought, cyclone, heat waves - crop damage & production, decrease in arable lands and health related issues
- Increase in sea level – loss of arable lands in coastal areas, salinity

# Atmospheric phenomena and preparedness period for adaptability



Courtesy:

CORELIA3220-26

The anticipated climate change and weather events have lead us to think locally and understand the global issues towards future course of practices.