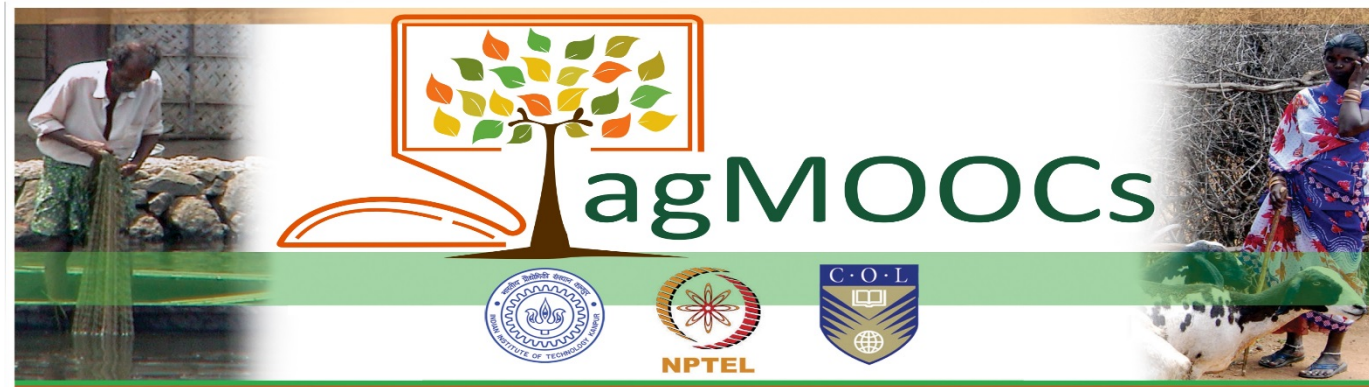


Climate Change and Drought: a global perspective

Balaji Venkataraman

Commonwealth of Learning (COL), Metro Vancouver BC, Canada

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At the end of this talk

You would have learnt about

IPCC and its reports

Increase in Extreme Events

GIS as a tool in strategy planning for adaptation

Scientific Basis of Climate Change

Intergovernmental Panel on Climate Change (IPCC)



Assessment Reports of IPCC



Three Working Groups



CLIMATE CHANGE 2014

Impacts, Adaptation, and Vulnerability

Summary for Policymakers

WG II

WORKING GROUP II CONTRIBUTION TO THE
FIFTH ASSESSMENT REPORT OF THE
INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE



Extreme Events Due to Climate Change

**will have greater impacts on sectors with closer links
to climate:**

water

agriculture and food security, forestry,

health, and tourism

Extreme Events- Temperature

IPCC projects substantial warming

Extreme Events- Rainfall

**It is likely that the frequency of heavy precipitation
will increase in the 21st century
over many areas of the globe.**

Extreme Events- Drought

**Droughts will intensify in the 21st century
in some seasons and areas,
due to reduced precipitation and/or
increased evapotranspiration.**

Local Level Adaptation is Important

**Stronger efforts at the international level
do not necessarily lead to
substantive and rapid results
at the local level (high confidence)**

Integrate Local Knowledge with Sci and Tech Knowledge

**This can improve disaster risk reduction and
climate change adaptation**

GIS Tools are thus critical

We now know about

IPCC Assessment Reports

Key assessments on which total agreement exists

Drought increasing in frequency