Drought Monitoring: a global perspective

MOOC on GIS Applications in Agriculture
At the end of this talk ....

You will be able to tell

Why information is important in drought management

Names of a few organizations that monitor drought globally or nationally

That micro-level monitoring is still not mainstream
Drought Preparedness is better than Drought Relief
Information is the backbone of Drought Preparedness
Preparedness is founded on

Drought Monitoring

Vulnerability and Risk Assessment
GIS is a highly valuable tool

For

*Drought Monitoring and Vulnerability and Risk Assessment*

*On*

*Any scale, global to micro*
Drought Preparedness is a Perspective

It is a way to look at drought management

Information is its backbone

GIS tools can play a critical role
Important Drought Monitoring Systems at Global Scale
Global Drought Monitor, NOAA, USA

http://gis.ncdc.noaa.gov/map/drought/Global.html#app=cdo
COUNTRIES REQUIRING EXTERNAL ASSISTANCE FOR FOOD
(total: 33 countries)

Monitoring and Assessment of desertification, land degradation and drought
http://droughtmonitor.unl.edu/
http://www.imdpune.gov.in/research/drought/drought.html
Drought Monitoring on Global and National Scales
Is
Already Mainstream Activity

GIS is a critical tool in it
IMD not to forecast 'drought', only predict 'deficient' rainfall

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Tags: National Weather Forecast | Monsoon | Laxman Singh Rathore | IMD | Bramha Prakash Yadav

NEW DELHI: Amid a confusion over who is competent to declare "drought", the India Meteorological Department (IMD) has decided to drop the word and replace it with "deficient" to describe a bad monsoon.

Henceforth, based on the rainfall and its distribution across the country in a season, it will only declare a "deficient" or "largely deficient year".

https://www.google.com/maps/place/Pudukkottai,+Tamil+Nadu+622001,+India
To be effective....

Early Warning and Preparedness
through
Information Access

Relief
through
Vulnerability Assessment
GIS tools are available

We do need to build capacities for micro-level drought monitoring as well
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