

## Integrated Drought Risk Mitigation - Planning

Course Director: Dr. Anil Kumar Gupta, Associate Professor ([envirosafe2007@gmail.com](mailto:envirosafe2007@gmail.com))

Ms. Megha Kohli, Course Assistant ([megkohli@gmail.com](mailto:megkohli@gmail.com))

### Course Objectives:

1. To emphasize the need of integrated mitigation and approaches in drought risk context
2. To enable the participants to assess short-term, medium-term and long-term planning
3. To enable the participants to state the framework and components of drought mitigation plan
4. To enable the participants to enumerate the drought management integration with environment and development programmes at district/region/local levels

### Target Participants:

Senior/middle level officials from Central/State Government from Deptt. of Agriculture, Water resources, Land resources & Land-use, Forestry, Environment, Pollution Control, Revenue & Disaster Management, Livestock, Ecology and Biodiversity Boards, Science & Technology, Faculty from University's Deptt of Environment/ ecology, Forest/Agriculture/Rural Development Institutes.

### Course contents:

- Causes of drought occurrence, intensification and drought vulnerability – critical assessment
- Environmental and natural resources basis of socio-economic and political vulnerability
- Ecosystem-approach to disaster risk management – context of drought and water scarcity
- Needs of drought mitigation integration with – Regional/District Environment/natural resources Plans, Developmental Plans/programmes, Welfare programmes, Land-use Planning.
- Review of National Guidelines on Drought, Drought Manual, Model Contingency Plan, Module on District Disaster Management Plan
- Alternative modes and means of drought early warning and forecasting
- Frameworks/structure and components of short-term (0-2 years), medium-term (2-5 years) and long-term (5-10 years) planning for drought mitigation
- Integration of drought mitigation with environmental planning, regional EIA, ecosystem approach, employment/livelihood programmes and health/sanitation programmes.
- Course shall involve group exercises and case analysis and participants are advised to read some relevant material on the above aspects to make their participation useful. They can request the course team for material on email.

**Last date for nomination: 30<sup>th</sup> August 2011.**

Suggested Readings:

- [Climate change and hydro-meteorological disasters](#)
- [Climate change mitigation adaptation](#)
- [Drought challenge and management](#)
- [Environmental knowledge for hydro-meteorological disasters](#)
- [Rainwater Harvesting](#)
- [Role of traditional knowledge for climate change](#)
- [Role of traditional knowledge](#)