

REGISTRATION

Application Form for participation
in “Building Climate Resilient
Agricultural Systems through
Community based Approaches”

Registration Link

[https://www.manage.gov.in/trgModule/
emailRegn.asp?tpno=EEE&tpyear=FDFFH](https://www.manage.gov.in/trgModule/emailRegn.asp?tpno=EEE&tpyear=FDFFH)

NO REGISTRATION FEE

IMPORTANT DATES

Last date for Registration

31st MAY 2024

Address for Correspondence

COURSE COORDINATORS

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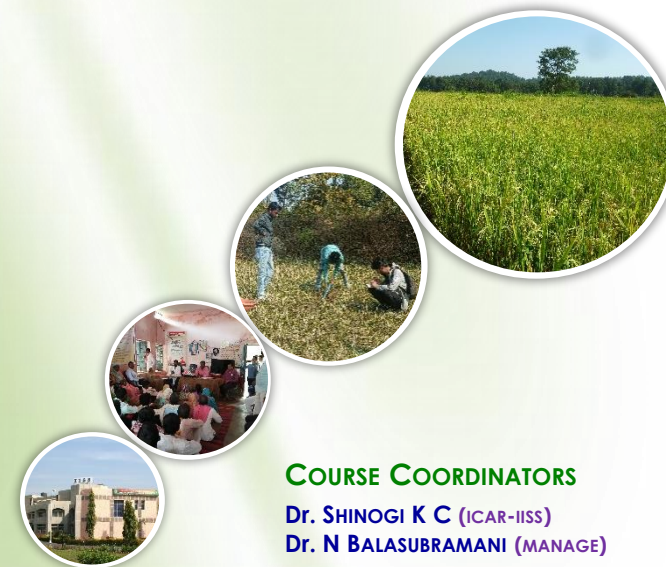
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**ONLINE TRAINING PROGRAM ON
“BUILDING CLIMATE RESILIENT
AGRICULTURAL SYSTEMS THROUGH
COMMUNITY BASED APPROACHES”**

10-14 JUNE 2024



COURSE COORDINATORS

Dr. SHINOJI K C (ICAR-IISS)

Dr. N BALASUBRAMANI (MANAGE)

COURSE CO-COORDINATORS

Dr. SANJAY SRIVASTAVA (ICAR-IISS)

Dr. IMMANUEL C HAOKIP (ICAR-IISS)

Dr. SREELAKSHMI C (MANAGE)

**ICAR- INDIAN INSTITUTE OF SOIL SCIENCE (ICAR-IISS)
BHOPAL, MADHYA PRADESH**

&

**NATIONAL INSTITUTE OF AGRICULTURAL EXTENSION
MANAGEMENT (MANAGE), HYDERABAD, TELANGANA**

About ICAR - IISS

ICAR-Indian Institute of Soil Science (ICAR-IISS) was established on 16th April, 1988 at Bhopal with a mandate of “Enhancing Soil Productivity with Minimum Environmental Degradation”. ICAR-IISS over the last 37 years, has achieved significant success in the areas of integrated nutrient management system, soil test based nutrient prescriptions and generation of district-wise GIS based soil fertility maps, soil microbial diversity and biofertilizers, composting technologies for crop residue recycling; quality standards for municipal solid waste composts, carbon sequestration in soils, sink capacity of soils for heavy metal pollutants etc. The institute has also developed nano rock phosphate, oleoresin coated urea fortified with nano-particles and a portable, digital mini laboratory (*Mridaparikshak*) for the quantitative and rapid estimation of soil health parameters. The institute closely works with farmers of more than 100 villages in Madhya Pradesh, including 30 tribal villages, under different in-house and externally funded projects. The institute research and extension activities cover the entire country through its three All India Coordinated Research Projects on Long-Term Fertilizer Experiments (LTFE), Soil Test Crop Response Correlations (STCR), Micro and Secondary Nutrients and Pollutant Elements in Soils and Plants, and one All India Coordinated Network Projects on Soil Biodiversity and Biofertilizers.

About MANAGE

MANAGE was established in 1987, as the National Centre for Management of Agricultural Extension at Hyderabad, by the Ministry of Agriculture & Farmers Welfare, Government of India, as an autonomous Institute and was elevated as institute in 1992 and was rechristened as ‘National Institute of Agricultural Extension Management’. MANAGE is entrusted with the responsibility of facing the challenges of agricultural extension in a rapidly growing and diverse agricultural sector by evolving and transforming extension organizations to cater the current needs and capacity building.

About Training

Climate change, a widely discussed topic in various national and international platforms over the years, has gained much attention in the recent past mainly when climate change indicators like rising global temperature, shrinking glaciers, changing precipitation pattern, melting of sea ice, rising sea level etc. started affecting the human life and food security. To reorient the agri-based food system to combat changing climate effects the concept of “Climate-Smart Agriculture (CSA) was introduced by Food and Agriculture Organization (FAO) in 2009. CSA envisions addressing the challenge of sustainable crop production under changing climate, making agriculture and agri-based rural livelihoods ‘climate resilient’. In a country like India where a lion share of food comes from resource-poor small and marginal holdings, transforming these smallholder agri-food systems to climate-smart within a short time period is going to be a challenging target for the government and other implementing agencies. Field level implementation of this multi-actor, multi-sector, multi-level and highly knowledge intensive approach require strong institutional support. However, as climate change started affecting the existence of human life through altering the weather pattern and bringing unforeseeable droughts and floods in recent years, it is of high time to start actions of climate change adaptation and mitigation to make the earth a secure place for all life forms.

The training program on “Building climate resilient agricultural systems through community based approaches” intends to sensitise the participants about the concept of climate change adaptation and significance of climate-resilient agri-food systems to achieve the sustainable development goal; initiate thinking and discussion about the impacts of climate change and importance of building climate-smart villages in order to reduce the climate change related risks in agriculture; and develop an understanding about planning and implementation of community based adaptation strategies to combat with the effects of changing climate on agriculture and the agriculture based livelihoods.

The training program includes both theoretical and practical sessions. Practical sessions will be in the form of case studies and group discussions. in order to make participants better understand the concepts.

Course Content

- Climate Resilient Agriculture: Concept & importance
- Impact of climate change on Indian Agriculture
- Importance of Climate Resilient Systems
- Eco-friendly farming practices and climate resilient communities
- Building resilience in soil through water and nutrient management technologies
- Community based land management practices for transforming agro-ecosystems to climate resilient
- Community based waste management: tools and techniques
- Microbial based technologies as a strategy to reduce GHG emission from agriculture lands
- Farm mechanization and digital innovations to support planning and implementing CSA practices at individual farm and community level

Eligible Participants

Assistant Professors and above of State Agricultural Universities, Scientist and above of ICAR institutes, Subject Matter Specialists of Krishi Vigyan Kendras, Field functionaries, Extension and Village officers, Students of Agriculture background and Progressive farmers of India.

NOTE:

1. Participation certificates to the participants will be issued only after the successful completion of the training program. (To get the certificate a Participant must attend minimum 80% of technical session).
2. The e-version of resource book covering all the lectures will be provided to the participants and the speakers for their reference