International Training on

Regenerative Agriculture for Climate Resilience and Sustainable Intensification of the Drylands

Date: 02 - 13 March 2026

Organized by

ICRISAT Center of Excellence for South-South Cooperation in Agriculture (ISSCA)

Under the Aegis of

Indian Technical and Economic Cooperation (ITEC) program of Government of India

About the course

Dryland agriculture faces threats from soil degradation, declining organic matter, erratic rainfall, and rising temperatures, which hinder productivity and resilience. Traditional systems worsen soil fertility, water retention, and ecosystem health. Climate change increases risks of crop failure, lower yields, and unstable livelihoods. There's an urgent need for methods that restore soil, boost biodiversity, and regenerate resources while maintaining production. Regenerative Agriculture (RA) offers a science-based approach to rebuilding ecological resilience through practices such as minimal soil disturbance, crop diversification, the use of legumes, mulching, composting, suitable machinery, biochar, and the introduction of beneficial microbes. Long-term studies, including those conducted by ICRISAT, demonstrate that RA enhances soil health, improves carbon storage, increases water efficiency, and stabilizes yields in semi-arid areas. However, many countries face challenges in scaling RA due to gaps in knowledge for designing tailored interventions, measuring soil health, quantifying benefits, and integrating practices with suitable monitoring and verification tools.

Regenerative agriculture is evolving by integrating ecological principles with modern technology for climate-smart intensification. Digital MRV, decision-support tools, and policies support RA in reducing risks, lowering costs, and enhancing sustainability. This course provides participants with a comprehensive understanding of regenerative agriculture concepts at the landscape level, technologies, field practices, and analytical frameworks. It offers practical exposure to tools and methodologies that enable the design, implementation and scaling of regenerative solutions for climate-resilient and sustainable dryland agriculture.

Objectives of the course are To introduce participants to Regenerative Agriculture technologies and enhance practical skills in designing and implementing interventions in diversified cropping systems; To expose participants to successful case studies, including ICRISAT-led research and innovation platforms, demonstrating scalable regenerative solutions for drylands; To develop participants' ability to co-create farmer-centric regenerative agriculture models that improve productivity, resilience, and livelihoods..

Who should apply?

Research managers, system agronomists, soil scientists, environmental researchers, planners in agriculture or climate programs, extension specialists, and policymakers responsible for scaling RA at the landscape level.

Guidelines to Apply for the Course

- Create a login to apply for the course and furnish all the requisite information. Submit the application online and download the submitted application form.
- Take a printout of the submitted application form, get appropriate signatures at all the signature placeholders throughout the application form including the English proficiency certificate, medical report, candidate undertaking form and the Employer nomination form.
- Scan the complete application document and submit the physical copies of the application form including the undertaking form and the employer nomination form to the Indian High commission in your country and e-mail the scanned copy of the executed application form to vishwambhar.duche@icrisat.org with copy to babu.potta@icrisat.org.

Please note that we have very limited seats for the course and the eligible applications will be shortlisted by the Ministry of External Affairs, Government of India on First Come First Serve basis. Therefore, if you are interested, we recommend that you submit your application immediately without any delay.

In case you face any technical difficulties in applying for the course, such as portal issues, login issues or any website related errors, please screenshot the errors and email to help@itecgoi.in with copy to vishwambhar.duche@icrisat.org and babu.potta@icrisat.org.

Course Topics

- Introduction to regenerative agriculture concepts at landscape level and principles for dryland ecosystems
- Designing diversified and climate-resilient cropping systems for sustainable intensification
- Case studies from ICRISAT and partner countries on scaling regenerative models
- Round table discussion on pathways for institutional adoption and scaling of regenerative agriculture practices.

Contact

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Approach and methodology of training: Experiential learning and field visits

Number of participants: 35

Application: The fully sponsored program is exclusive to non-Indian international participants only.

ITEC: Indian Technical and Economic Cooperation

Note: The potential candidate after filling the form online, may need to submit copy of the filled application to Indian Embassy/consulate in their country for funding approval.

Deadline to apply for the course:
23 February 2026