Division 1 Silviculture
Research Group 1.04.00 – Agroforestry

Regeneration in Agroforestry Systems: Ecology, Silviculture and Resilience

23–24 November 2026
13h UTC

Agroforestry systems are increasingly recognised for their role in global food security, sustainable rural livelihoods, climate change mitigation and adaptation. Their long-term sustainability depends not only on the performance of established trees, but also on their capacity to regenerate and maintain the tree component over time. Regeneration is shaped by complex interactions between environmental conditions, tree and crop components, competition and facilitation, herbivory and silvicultural management. Furthermore, natural regeneration, silvicultural practices, assisted regeneration, and assisted migration each offer distinct pathways and complementary approaches for restoring and sustaining tree cover, genetic diversity, and stand resilience within agroforestry systems worldwide. Understanding these interactions is essential for identifying the factors that constrain regeneration and for developing management strategies that can promote successful tree recruitment while maintaining agricultural production.

This online webinar aims to explore the current state of knowledge on regeneration in agroforestry systems, bringing together ecological and silvicultural perspectives and addressing regeneration as a key component of long-term system resilience, focusing on the following questions:

- What are the main ecological factors determining successful tree regeneration ?
- Where are the critical bottlenecks in the regeneration pathway, from establishment to recruitment?
- What is the natural regeneration potential, and which ecological, land-use, and management conditions enable or constrain it?
- Which silvicultural practices most effectively promote successful regeneration ?
- How do climate variability, drought, competition, facilitation and herbivory affect regeneration?
- What roles do genetic diversity, seed sourcing, seedling quality, nursery practices, and emerging technologies play in ensuring regeneration success?

The presentations of research results are envisioned to enhance the discussion among colleagues worldwide. Presenters will have a 10-minute presentation and 5-minute discussion.

Registration for the conference: Free of charge
Participants/Presenters: register **until 20/10/2026** at: https://forms.gle/j1nA8m9JH4ebZBGLA
Presenters: use the template (Template_regeneration_agroforestry.docx) and send it to **eva.barrocas@uevora.pt**. Notifications of acceptance and presentation schedule will be sent by 30/10/2026.

Organisers and sponsors: **Eva Gouveia-Barrocas**, **Raquel Lobo-do-Vale**, **Ana Cristina Gonçalves**, MED– Mediterranean Institute for Agriculture, Environment and Development, CHANGE, University of Évora, Portugal; **Swoyambhu Man Amatya**, Faculty of Forestry, Agriculture and Forestry University, Nepal; **Sanjeev K. Chauhan,** Dr YSP University of Horticulture and Forestry Nauni, Solan, India; **Iaviantsoa Ramanandraibe**, High School of Agronomic Sciences, University of Antananarivo, and Bôndy International, Madagascar.