

Delivery of diverse and suitable seeds and planting material is a key barrier to sustainable land restoration at scale

Is this a reality? What are the solutions?
What are the emerging needs?



▲ Photo by E. Hermanowicz/Bioversity International

Discussion Forum

Saturday, Dec. 1, 2018

9am – 10.30am

World Conference Center
Bonn, Germany

A major objective of restoration of degraded landscapes is to increase tree cover, through natural regeneration and planting. Achieving this objective at scale requires integrated systems able to provide diverse, adapted and high-quality native tree seeds and planting material (Jalonon et al 2017, Lillesø and Graudal 2012).

Commitments under the Bonn Challenge have now pledged 350 million hectares of degraded land globally for restoration. Restoration plays a key role to sustainable development, to reduce poverty, food insecurity and enhance biodiversity.

However, restoration is easier pledged than done.

Through the **CGIAR Research Program on Forests, Trees and Agroforestry** (FTA), with **Bioversity International** and the **World Agroforestry Centre** (ICRAF), and supported by the **Food and Agriculture Organization of the United Nations** (FAO), this discussion forum brings together a diverse panel of experts

from countries that have made significant pledges under the Bonn Challenge, stakeholders, development actors, social entrepreneurs, and researchers from FTA to discuss this important topic and explore possible solutions.

The forum will review the issues related to scaling up supply systems of suitable and adapted seeds and planting material for effective and sustainable land restoration. It will explore the practical, technical, economic and institutional challenges that stakeholders currently face, and present solutions developed to address them, with a focus on issues such as access and use of native tree biodiversity as well as the quality, origin and diversity of seeds and planting material.

Participants will discuss solutions, identify gaps and barriers, the need for additional innovations and look for synergies between countries and regions. A special focus will be on the potential for private sector engagement.

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Agenda

Opening: FTA Director **Vincent Gitz**

Part 1

Highlighting the reality that current seed systems are a serious limiting factor to move restoration from pledges to action, and that failure to deliver adequate diversity and quality of planting material will also cost a lot, frames the session on the following assumption: For forest and landscape restoration to deliver multiple SDGS, the ability to integrate appropriate quality and diversity is key.

- **Keynote:** **Lars Graudal**, ICRAF

- **Panel discussion**

Panelists will highlight situations on the ground and describe, in their experience, the challenges and how this is impacting their pledges.

Moderator:

Christopher Kettle

Bioversity International

Panelists:

Moussa Ouedraogo

Director General, Centre National de Semences Forestières, Burkina Faso

Anicet Ngomin

Ministry of Forestry and Wildlife, Cameroon

Douglas McGuire

FAO

Vania Olmos Lau

Biologist and youth representative

Charles Karangwa

Regional Technical Coordinator Forests Landscapes and Livelihoods, IUCN

Doreen Mashu

Founder, The Good Heritage (TBC)

- **Discussion with the audience**

Part 2

- **Keynote: A number of solutions from FTA research programs**

Marius Ekue

Bioversity International

Ramni Jamnadass

ICRAF

- **Panel discussion**

The panelists will continue by articulating concrete solutions to lifting barriers to scale, based on their experience, and to reflect on how one can lift technical barriers to achieving successful scaling of seed systems.

- **Discussion with the audience**

Part 3

- **Open forum: Who can do what?**

Key issues to be addressed:

- What are the roles of various actors in improving the delivery systems, from the perspective of all participants?
- What elements are needed to map a new agenda for coordinated science-to-policy linkages?
- What do stakeholders see in terms of implications of this science in different policy and implementation domains, such as agroforestry, sustainable intensification, employment, food security and sustainable food systems?
- What is next and who can do what?

Wrap up

Erick Fernandes, World Bank Group

Further reading

- [Trees for Seeds Initiative](#)
- [Forest and landscape restoration severely constrained by a lack of attention to the quantity and quality of tree seed: Insights from a global survey](#)
- [Fit for purpose seed supply systems for the implementation of landscape restoration under Initiative 20x20: An analysis of national seed systems in Mexico, Guatemala, Costa Rica, Colombia, Peru, Chile and Argentina](#)
- [Recordings from the Launchpad Trees for Seeds GLF Nairobi 2018](#)
- [A global programme for the delivery of planting material for productive forest landscape restoration to bridge production gaps and promote resilience](#)
- [CGIAR Genebank Platform: World Agroforestry Centre](#)
- [ICRAF Genetic Resources Unit](#)
- [Provision of Adequate Tree Seed Portfolio in Ethiopia](#)
- [Agro-biodiversity and land restoration for food security and nutrition in Eastern Africa](#)
- [Tree genetic resources to bridge production gaps and promote resilience](#)
- [How to plant a trillion trees](#)
- [Forest and landscape restoration severely constrained by a lack of attention to the quantity and quality of tree seed: Insights from a global survey](#)
- [To what extent are genetic resources considered in environmental service provision? A case study based on trees and carbon sequestration](#)
- [Why institutional environments for agroforestry seed systems matter](#)
- [Africa Tree Finder](#)
- [Potential natural vegetation of eastern Africa](#)
- [Ecoregions 2017](#)
- [Agroforestry Database](#)
- [Agroforestry Species Switchboard 1.4](#)
- [Tree seeds farmers toolkit and reference source](#)

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The CGIAR Research Program on Forests, Trees and Agroforestry (FTA) is the world's largest research for development program to enhance the role of forests, trees and agroforestry in sustainable development and food security and to address climate change. CIFOR leads FTA in partnership with Bioversity International, CATIE, CIRAD, ICRAF, INBAR and TBI. FTA thanks all funders who supported this research through their contributions to the **CGIAR Trust Fund**.

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