Bioversity International

CGIAR RESEARCH PROGRAM ON Forests, Trees and Agroforestry

Using case studies for enhancing capacity in managing forest genetic resources

Judy Loo, David Boshier, Michele Bozzano, Per Rudebjer

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The Forest Genetic Resources Training Guide – learning from research-based case studies

Why is the training guide needed?

- Good FGR textbooks, but no ‘off the shelf’ publication that helps facilitate training on FGR conservation and management in the context of current land-use scenarios and the livelihoods of rural people.
- Need for suitable training material that makes FGR training relevant, attractive and accessible, both in language and availability, to non-specialists.
- *Teachers/trainers need to realise they can cover FGR in their courses.*

What should the content be?

- Based on actual studies - how to interpret results
- Place genetics in a wider context – e.g. realities of social issues
- Problem-oriented approach, allows discussion of how to take these issues to the policy level.

Think about where genetic perspectives are (or not) relevant to management, and conservation.

Content

- Modules on important themes in forest genetic resources
  - Case studies based on real studies
  - Teachers' guide
  - PowerPoint presentation
  - Video (for some modules)
- Global geographic scope
- Focus on conservation and sustainable use of forest genetic resources
- Stand alone training material for single or multiple topics
- Course can be custom-designed for any length of time between a day and a semester, using case studies as required for particular purpose.

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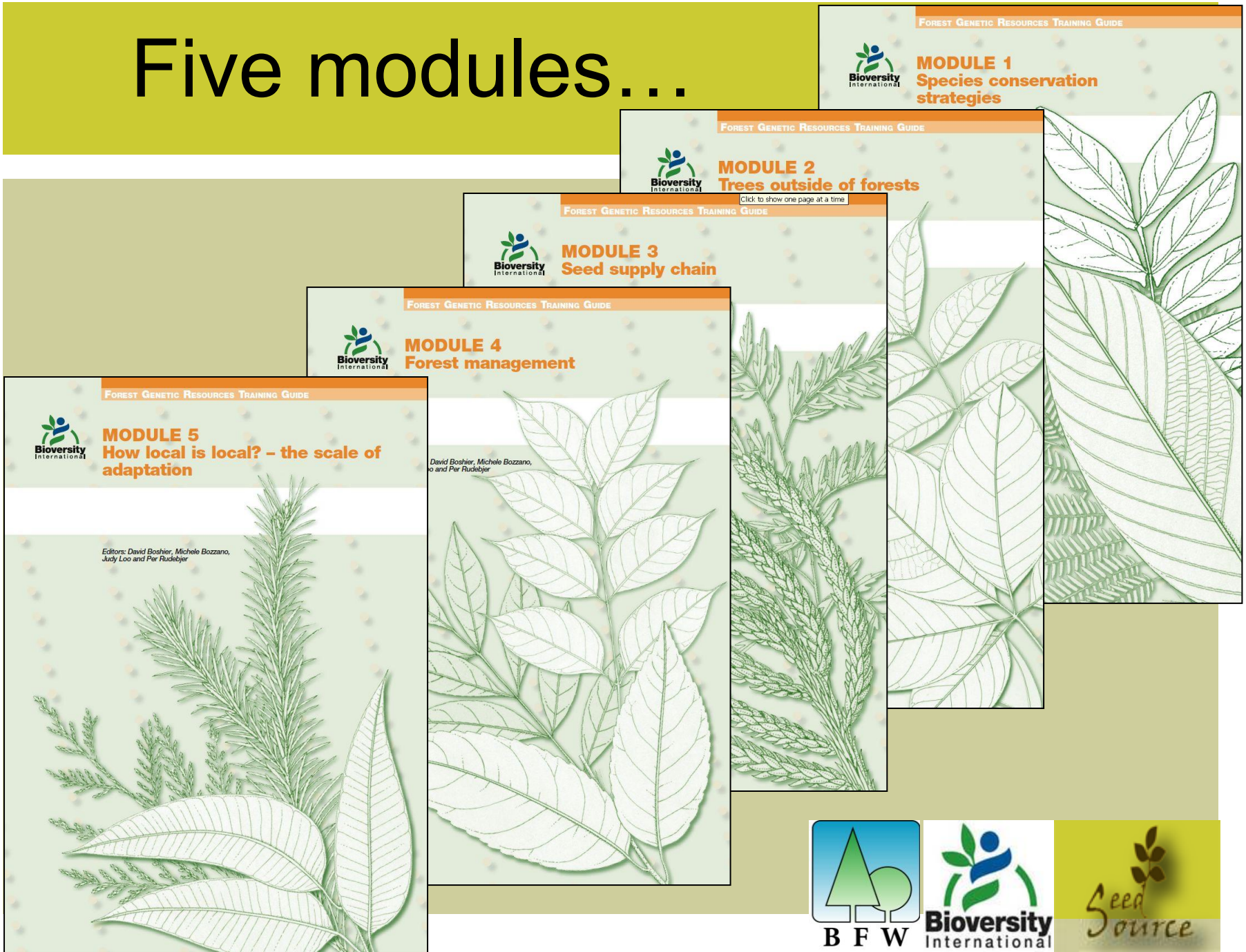
Five modules…



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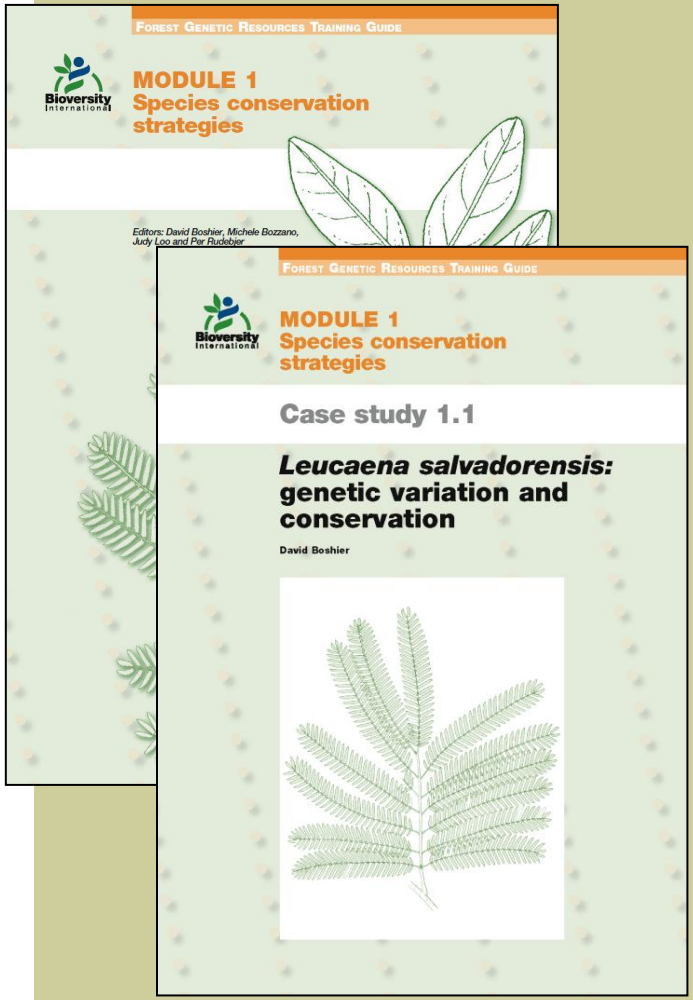
Case studies



1. **Case Study 1.1** *Leucaena salvadorensis*: genetic variation and conservation

2. **Case Study 1.2** *Shorea lumutensis*: genetic variation and conservation

3. **Case Study 1.3** *Talbotiella gentii:* genetic variation and conservation

Each case study includes:

- Introduction to the situation
- Important points to be noted and pondered by students
- Elements that need to be included in the strategy or plan that students will develop
- Description of the species, threats, uses, genetic studies and data, country profile, and other important information
- Information sources

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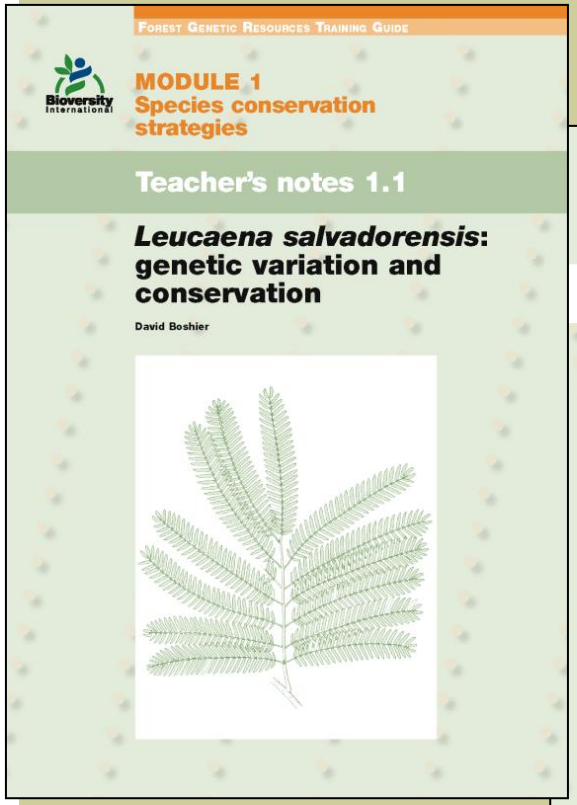
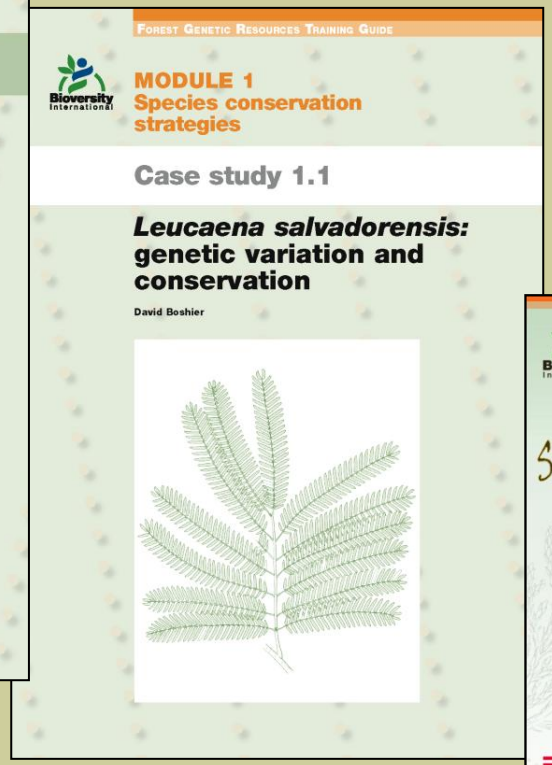
Teacher's notes, Case study and PowerPoint for 1.1





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Testing training materials

Bioversity Courses

- Ethiopia 2008 30 people
- Colombia 2009 25 people
- Argentina 2011 16 people
- Costa Rica 2013 18 people

"Now I understand why genetics is important"

INIA Course

- Madrid 2008 & 2010 40 people

"El estudio de caso resultó muy útil"

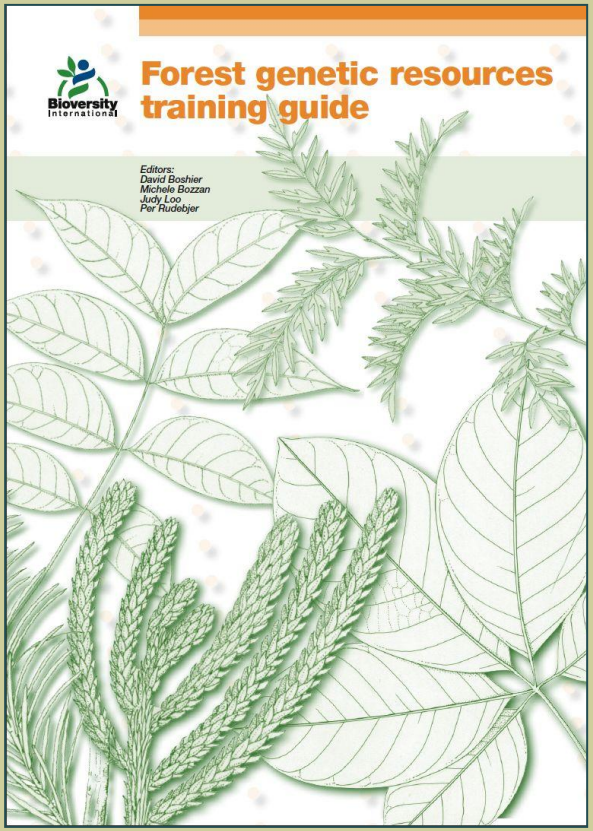
Seedsource/Bioversity Course

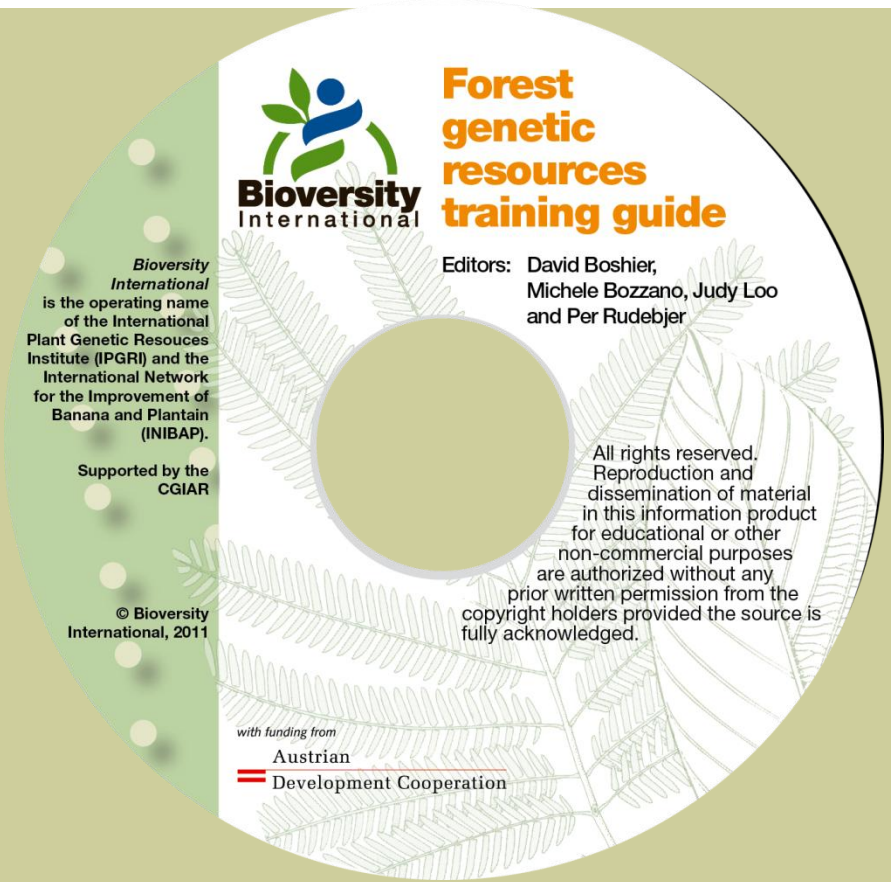
- Costa Rica 2009 20 people

Target groups

1. **Lecturers/students in 3º education programmes** on forestry, agriculture, environmental studies, & broader land management. Primarily targets general forestry practitioners, rather than forest genetics specialists. Also as part of training of tree breeders/geneticists.
2. **Trainers/trainees in short courses** (*in-job training*) on forest biodiversity & forest genetic resources
3. **Forestry practitioners**: forest/land-use managers, certification organizations, some NGOs, *e.g.* those involved in forest restoration.

Training Guide availability





Web address:
http://www.bioversityinternational.org/training/training_materials/forest_genetic_resources.html

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Thank you!
Judy Loo
j.loo@cgiar.org
www.bioversityinternational.org