

DANIDA FOREST SEED CENTRE



NO 7 - FEBRUARY 2003

Review of DFSC

An international team evaluated Danida Forest Seed Centre in 1993. Since then and following a series of changes in Danish development assistance, Danida has recently decided to implement a broad thematic forward-looking review of DFSC, planned to take place in March-April 2003.

The objective of the review is to assess DFSC performance (impact and relevance) since 1993; and to provide the analytical background for an assessment of the future role of DFSC within Danish development and environmental assistance.

The review will consider current re-orientation of Danish support to development research and in this context also assess the present organisational structure and institutional setting of DFSC.

New DFSC publication series

As you may have noticed, last year we made changes to the design and structure (series) of our publications. DFSC now has four main publication series:

- DFSC Guidelines and Technical Notes (Green series). This is the continuation of the existing series DFSC Technical Notes.
- Results and Documentation (Yellow series). This is a new series, and will as the name implies, contain results from trials etc.
- DFSC Case study (Brown series). This is again a new series. It documents experiences from case studies, reviews and other activities/programs conducted by DFSC in collaboration with our partners.
- DFSC Seed Leaflets. These are two-page documents with summary information on seed biology, seed treatment and storage of individual species. This series was started in 2000, has 65 species, and will be continued.

The DFSC Lecture Note series will not be continued. The documents from this series will be distributed upon request as long as stocks are available.

You can see the complete list of DFSC publications and information materials at www.dfsc.dk/publications.

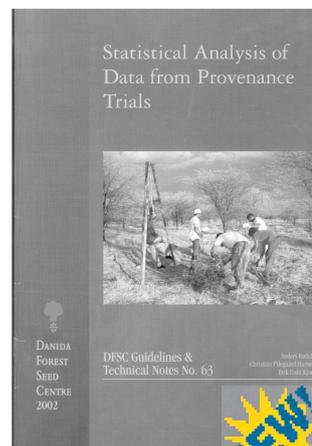
DFSC Material Transfer Agreement

The DFSC Material Transfer Agreement (MTA) is now in operation. It specifies the conditions under which seed is delivered and the obligations of the recipient related to the use of the seed. The MTA has to be signed prior to delivery of seed from the DFSC seed bank.

You can see the DFSC MTA in Guidelines for Ordering Tree Seed, Danida Forest Seed Centre Technical Note No. 61. A hard copy can be requested from DFSC or the document can be downloaded from www.dfsc.dk/publications.htm.

For more information about the DFSC seed bank, species and procedures for seed request, please go to www.dfsc.dk/seedbank.htm.

Statistical Analysis of Data from Provenance Trials



A new publication from DFSC, authored by Anders Ræbild, Christian P. Hansen and Erik D. Kjaer and published as DFSC Guidelines and Technical Notes No. 63.

Often domestication of tree species starts with establishment and analysis of provenance trials (seed lot trials) in order to examine if there are significant differences and to identify superior provenances/ sources, which can be used as immediate seed sources and for further domestication activities.

The Note gives an introduction to the statistical analysis of such trials. It describes a sequence of steps in the analysis:

- Data entry and first check of data
- Calculation of plot average values
- Plotting the data
- The statistical model
- Verification of the model assumptions
- What to do when the assumptions of the model are not fulfilled
- Test of differences between seedlots
- What to do when the trial is a mixture of different species

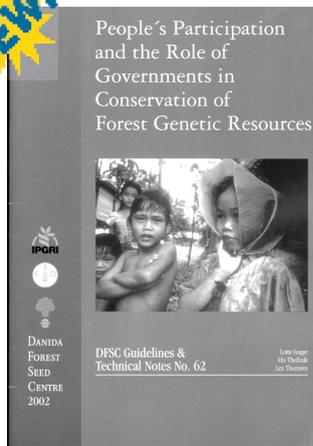
You can download the document as a pdf file from www.dfsc.dk/publications.htm or request a hard copy by sending an e-mail to dfsc@sns.dk or by contacting us at our mailing address.

Management Training course in Denmark in July 2003

DFSC plans to implement a management training course in Denmark in July 2003. The course will primarily cover management aspects of tree seed centres/tree seed programmes. Technical aspects of use and conservation of forest genetic resources conservation will also be covered. The course specifically targets managers of national tree seed centres and programmes. The course will have a duration of approx. 3 weeks. The price of the course will be around 30,000 DKK (4-5,000 US\$), which covers course fees, materials, food, accommodation and transport in Denmark.

The course will be implemented on a cost-recovery basis, and DFSC has no financial means to support or sponsor participants.

If you are interested to participate, you should contact Søren Moestrup at DFSC at moe@sns.dk as soon as possible for more information.



People's Participation and the Role of Governments in Conservation of Forest Genetic Resources

This note is written by Lotte Isager, Ida Theilade and Lex Thomsen and published as DFSC Guidelines and Technical Notes No. 62.

It defines what is participation, and describes a participatory approach in conservation of forest genetic resources, including considerations about local communities and local people and how to solve conflicts. The Note further discusses how governments can create an enabling environment through decentralisation and land-tenure security and user rights.

It is published by DFSC in collaboration with the Food and Agriculture Organization of the United Nations (FAO) and the International Plant Genetic Resources Institute (IPGRI) within the framework of collaboration on a guidebook with the title 'Forest genetic resources conservation and management: overview, concepts and some systematic approaches'. The guidebook is planned for publication later in 2003.

You can download the document as a pdf file from www.dfsc/publications.htm or request a hard copy by sending an e-mail to dfsc@sns.dk or by contacting us at our mailing address.

Problems with the printing quality of 3 recent DFSC publications

3 recent DFSC publications have problems with the glue used in the binding. First time you open it, the pages may fall apart! The problem relates to the following 3 publications:

- Practical Experience with *ex situ* Conservation Stands of Tropical Pines. Results and Documentation No. 1
- Conservation Plan for Genetic Resources of Zambezi teak (*Baikiaea plurijuga*) in Zambia. Case Study No.2
- Addressing Smallholders' Demand for Propagation Material of Woody Species. Case Study No.3

The printing house has acknowledged the problem, and we now have a new stock of improved quality.

If you have experienced problems with any of the above 3 publications, and would like to receive a new copy, please contact us at dfsc@sns.dk or at our mailing address.

The first results from the arid zone trials

The first reports from a series of provenance and species trials with arid zone species are now available. Five reports from Burkina Faso, including trials with different species of *Acacia* and *Prosopis* are the first in the series. Later, reports from Brazil, Senegal, Sudan, India and Pakistan will follow – in total 26 reports are foreseen. All reports are available free of charge through our publication service.

At the same time a webpage has been set up and can be accessed via the DFSC homepage (look for 'Arid zone trials' at www.dfsc.dk). The page gives an overview of the results for all 26 trials, and it will be possible to download the full reports from the page, as they become available.

The publication of the reports is the final step in a long effort, starting with the initiative of FAO in the end of the 1970'ies. Seed collection and distribution from a number of drought tolerant species in Africa, Asia, Australia and Latin America were carried out from 1983-1989, and a number of trials were established in a co-operation between national institutions, FAO and DFSC. The trials were assessed from 1990-1994, and during the last years DFSC has been analysing the trials in collaboration with national institutions and FAO.

Many of the species are commonly used, but there is limited information on their adaptability and genetic variability. It is our hope that the results will stimulate interest in the species – and also recognition of the fact that genetics matter. The extreme variability in some of the species point to the necessity of adapted material when tree planting takes place.

The 5 reports published now are:

- Evaluation of a provenance trial of *Acacia nilotica*, *A. seyal* and *A. tortilis* at Dori, Burkina Faso. Results and Documentation No. 2
- Evaluation of a provenance trial of *Acacia senegal* at Dori, Burkina Faso. Results and Documentation No. 3
- Evaluation of a species and provenance trial of *Prosopis* at Dori, Burkina Faso. Results and Documentation No. 4
- Evaluation of a provenance trial of *Acacia senegal* at Gonsé, Burkina Faso. Results and Documentation No. 5
- Evaluation of a species and provenance trial of *Prosopis* at Gonsé, Burkina Faso, Results and Documentation No. 6

DFSC Staff 2003



Back row from left:

Iben Nathan, Institutional Development; Christian Pilegaard Hansen, Information and Outreach; Richard Asare, Agriculture; Anders P. Pedersen, Forest Genetics; Anders Ræbild, Forest Genetics;

Front row from left:

Lars Graudal, Director a.i.; Joan Tversted, Accounts; Dorthe Jøker, Seed Procurement; Melita Jørgensen, DTP; Mette Hansen, Secretary.

Søren Moestrup, Deputy Director and Project Support, Ida Theilade, Forest genetics and conservation, and Irma Hansen, Librarian, could unfortunately not be present for the photograph, which was taken in the middle of February, 2003, in the office grounds in Humlebaek, Denmark. The temperature was minus 3°C.

More information about DFSC staff and full CVs can be found at www.dfsc.dk/staff.htm.

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Danida Forest Seed Centre (DFSC) is a Danish non-profit institute which has been working with development and transfer of know-how in management of tree genetic resources since 1969. The development objective of DFSC is to contribute to improve the benefits of growing trees for the well-being of people in developing countries. DFSC's programme is financed by Danish International Development Assistance (Danida).