

**Department Forest Inventory and  
Remote Sensing**

Forest Inventory, Forest Mensuration,  
Remote Sensing, Surveying  
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**Centre for Tropical and Subtropical  
Agriculture and Forestry (CeTSAF)**

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# NTFP Non Timber Forest Products

## Overview and arrangements (NTFP)

(Netra Bhandari; Torsten Sprenger)



# Content

NTFPs

Focus

Presentation  
technique

Arrangements

Your Topic!

- What are NTFPs?
- Where will we focus on?
- Examination module part NTFP: students presentation.
- Further lecture arrangements.
- Please choose your presentation topic at home till next week!



# What are NTFPs?

## NTFPs

Focus

Presentation  
technique

Arrangements

Your Topic!



NTFP Non Timber Forest Products

# What are NTFPs?

## NTFPs

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Your Topic!

- A definition of NTFP by FAO (1995):

„Non-timber forest products consist of goods of biological origin other than timber, derived from forests, other wooded land and trees outside forests.“

FAO, (1995) *Non-Wood Forest Products for Rural Income and Sustainable Development*. Non-Wood Forest Products No.7. FAO, Rome, Italy

# What are NTFPs?

## NTFPs

Focus

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Your Topic!

- ...and another by Wickens (1991)2:  
“all the biological material (other than industrial round wood and derived sawn timber, wood chips, wood-based panel and pulp) that may be extracted from natural ecosystems, managed plantations, etc. and be utilized within the household, be marketed, or have social, cultural or religious significance”

Wickens, G.E. (1991) *Management Issues for Development of Non-Timber Forest Products*. Unasylva 42(165): 3–8

# What are NTFPs?

## NTFPs

Focus

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Your Topic!

- Difference NWFP – NTFP:

The main difference between the two is that non-wood excludes (in most cases) fuel wood, charcoal and construction materials for local use, which is included in NTFP.

FAO: definitions for the Forest Resources Assessment 2000

# What are NTFPs?

## NTFPs

Focus

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Your Topic!

- Both are the most common terms  
[“nonwood goods and benefits”, ‘non-wood goods and services’, ‘other forest products’, ‘secondary forest products’, ‘special forest products’, ‘wild crafted products’, ‘biodiversity products’, ‘natural products’, ‘minor forest products’, ‘forest products other than wood/timber’ and ‘tree-crops’]
- NWFP preferred by FAO and CIFOR
- The term NTFP often used, also in this course

[www.cifor.cgiar.org/publications/ntfpsite/pdf/IFR\\_Defn\\_final.pdf](http://www.cifor.cgiar.org/publications/ntfpsite/pdf/IFR_Defn_final.pdf)



# Where will we focus on?

NTFPs

## Focus

Presentation  
technique

Arrangements

Your Topic!

- Assessment of NTFP
  - How to sustain NTFP resources
  - Basic information on the resource
  - Seasons? Occurrence? Relations?
  - Assessment strategies

## Biometrics and NTFP Inventory (Jenny Wong)

<http://cms1.gre.ac.uk/conferences/iufro/proceedings/Wong%20paper%202.pdf>

## Adaptive Klumpenstichproben zur Erfassung von Nichtholz- Produkten

<http://www.lfe.brandenburg.de/cms/media.php/lbm1.a.4595.de/bih-pelz.pdf>

<ftp://ftp.fao.org/docrep/fao/010/y9376e/y9376e00.pdf>

[http://www.mm.helsinki.fi/kurssi/Marv41\\_2007/marv41\\_luennot/Marv41\\_220307.pdf](http://www.mm.helsinki.fi/kurssi/Marv41_2007/marv41_luennot/Marv41_220307.pdf)

<http://www.etfrn.org/ETFRN/workshop/ntfp/ntfpproceedingsfinal.pdf>

[http://www.freidok.uni-freiburg.de/volltexte/2847/pdf/Disertation\\_bih.pdf](http://www.freidok.uni-freiburg.de/volltexte/2847/pdf/Disertation_bih.pdf)



# Where will we focus on?

NTFPs

## Focus

Presentation  
technique

Arrangements

Your Topic!

- Worldwide Importance
  - Poverty alleviation
  - Biodiversity
  - Institutions and market

**Ajay Kumar Mahapatra and D. D. Tewari, Importance of non-timber forest products in the economic valuation of dry deciduous forests of India, Forest Policy and Economics Volume 7, Issue 3, , March 2005, Pages 455-467.**

[www.intercooperation.ch/offers/download/NTFP-poverty-alleviation-market-forces.pdf](http://www.intercooperation.ch/offers/download/NTFP-poverty-alleviation-market-forces.pdf)  
<http://www.cifor.cgiar.org/Publications/Corporate/NewsOnline/NewsOnline41/ntfp.htm>  
<http://www.unido.org/doc/38964>

# Where will we focus on?

NTFPs

## Focus

Presentation  
technique

Arrangements

Your Topic!

- NTFP introduction
  - NTFP in Forest Management
  - Who uses NTFP's
  - Changing Importance of NTFP (Case studies)

FAO, (1995) Non-Wood Forest Products for Rural Income and Sustainable Development. Non-Wood Forest Products No.7. FAO, Rome, Italy

FAO, (2001) Resource assessment of non-wood forest products. Experience and biometric principles. Non Wood Forest Products No. 13. FAO, Rome, Italy

Schippmann, U. , Leaman, D.J. and Cunningham, A.B (2002) Impact of Cultivation and Gathering of Medicinal Plants on Biodiversity: Global Trends and Issues. FAO, Rome, Italy

<http://www.worldagroforestrycentre.org/downloads/publications/PDFs/PR14693.pdf>

# Where will we focus on?

NTFPs

## Focus

Presentation  
technique

Arrangements

Your Topic!

- NTFP history: examples of value change
  - Lost industries
  - (Nearly) forgotten uses

Basidiocarp fungus  
(fomes fomentarius)



**Valuation of Non-Timber Forest Products (NTFPs): Models, Problems, and Issues (D. D. Tewari)** [https://www.haworthpress.com/store/E-Text/View\\_EText.asp?sid=3GUNJXUJ2T5S9NPQFNKS1531QTwR9538&a=4&s=J091&v=11&i=4&fn=J091v11n04\\_03](https://www.haworthpress.com/store/E-Text/View_EText.asp?sid=3GUNJXUJ2T5S9NPQFNKS1531QTwR9538&a=4&s=J091&v=11&i=4&fn=J091v11n04_03)

# Where will we focus on?

NTFPs

## Focus

Presentation  
technique

Arrangements

Your Topic!

- NTFP indigenous knowledge
  - How to find the experts
  - Where to find the resource
  - How to tread the resource

Valuation of Non-Timber Forest Products (NTFPs): Models, Problems, and Issues (D. D. Tewari)

<http://www.ecologyandsociety.org/vol9/iss3/art3/>

[http://www.idrc.ca/uploads/user-S/11565350621A\\_Systematic\\_Approach.pdf](http://www.idrc.ca/uploads/user-S/11565350621A_Systematic_Approach.pdf)



# Where will we focus on?

NTFPs

## Focus

Presentation  
technique

Arrangements

Your Topic!

- Intellectual property rights (Genetic and chemical resources)
  - Industry interests
  - Patent rights

**Protection of Indigenous Knowledge and Possible Methods of Sharing Benefits with Local Communities (By Dr. Suman Sahai)**

<http://www.ictsd.org/dlogue/2002-04-19/Sahai.pdf>

# Where will we focus on?

NTFPs

## Focus

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technique

Arrangements

Your Topic!

- Animal production, silvopastoral use and hunting
  - Wildlife farms
  - Grazing impact
  - Hunting tenure rights, meat, employment
  - (forest related eco tourism?)



<http://edis.ifas.ufl.edu/AG160>

<ftp://ftp.fao.org/docrep/fao/009/ag866e/ag866e00.pdf>

[http://www.iucn.org/themes/ssc/susg/docs/WISPERguidelines210906\\_1.pdf](http://www.iucn.org/themes/ssc/susg/docs/WISPERguidelines210906_1.pdf)

[http://extension.usu.edu/forestry/Reading/Assets/PDFDocs/NR\\_FF/NRFF016.pdf](http://extension.usu.edu/forestry/Reading/Assets/PDFDocs/NR_FF/NRFF016.pdf)

<http://www.actionbioscience.org/environment/lowman.html>

# Where will we focus on?

NTFPs

## Focus

Presentation  
technique

Arrangements

Your Topic!

- NTFP conflicts
  - Timber against NTFP
  - Mutual disturbances between NTFP
- NTFP rural house holds – case studies
  - Importance
  - Specializations

# Where will we focus on?

NTFPs

## Focus

Presentation  
technique

Arrangements

Your Topic!

- Exudates, honey, mushrooms
  - Overlap with agriculture
  - Multiple use and multiple production relationships
  - Rare (e.g. Truffles)
- Bamboo, rattan, palms, nuts, fruits



# Where will we focus on?

NTFPs

## Focus

Presentation  
technique

Arrangements

Your Topic!

- Case study: Timber plantation vs. Multiple Use Forestry MUF
  - E.g. Zimbabwe: Small Scale forest Based enterprises employs 237.000. people, 16.000 in conventional forestry
  - “Farm forestry” pays of

<http://www.rirdc.gov.au/reports/AFT/02-005.pdf>

[http://www.efi.int/attachments/publications/proc49\\_net.pdf](http://www.efi.int/attachments/publications/proc49_net.pdf)

[http://www.cifor.cgiar.org/publications/pdf\\_files/Books/StMgnt-tropical/Site\\_Management3.pdf](http://www.cifor.cgiar.org/publications/pdf_files/Books/StMgnt-tropical/Site_Management3.pdf)

# Where will we focus on?

NTFPs

## Focus

Presentation  
technique

Arrangements

Your Topic!

- Charcoal, fuel wood, energy plantation
  - History and impact in future
- Ethical and religious impacts
  - Xmas trees
  - Recreation
  - “Forbidden forests” as retreat areas

# Where will we focus on?

NTFPs

## Focus

Presentation  
technique

Arrangements

Your Topic!

- Food, Spice, Fodder, Fertilizer
  - Harvesting impacts
  - Nutrition support
- Low value NTFP “everyday's use”
  - How to find market opportunities

**Now Mr. NETRA Bhandari guides you through the next  
Foci!**



# Where will we focus on?

NTFPs

## Focus

Presentation  
technique

Arrangements

Your Topic!

- NTFP Trade and Marketing
  - NTFP sub-sector
  - Commercialization of NTFPs (from selling to marketing)
  - MIS (Market Information System)
  - NTFP value chain
  - How to access domestic and international market?

# Where will we focus on?

NTFPs

## Focus

Presentation  
technique

Arrangements

Your Topic!

## NTFP Market Analysis and Development (MA&D)

### – FAO MA&D approach

Phase 1: Assess the existing situation

Phase 2: Feasibility study and product  
selection

Phase 3: Plan enterprises for sustainable  
development

Phase 4: Implementation and review

# Where will we focus on?

- NTFP Market Analysis and Development (MA&D)

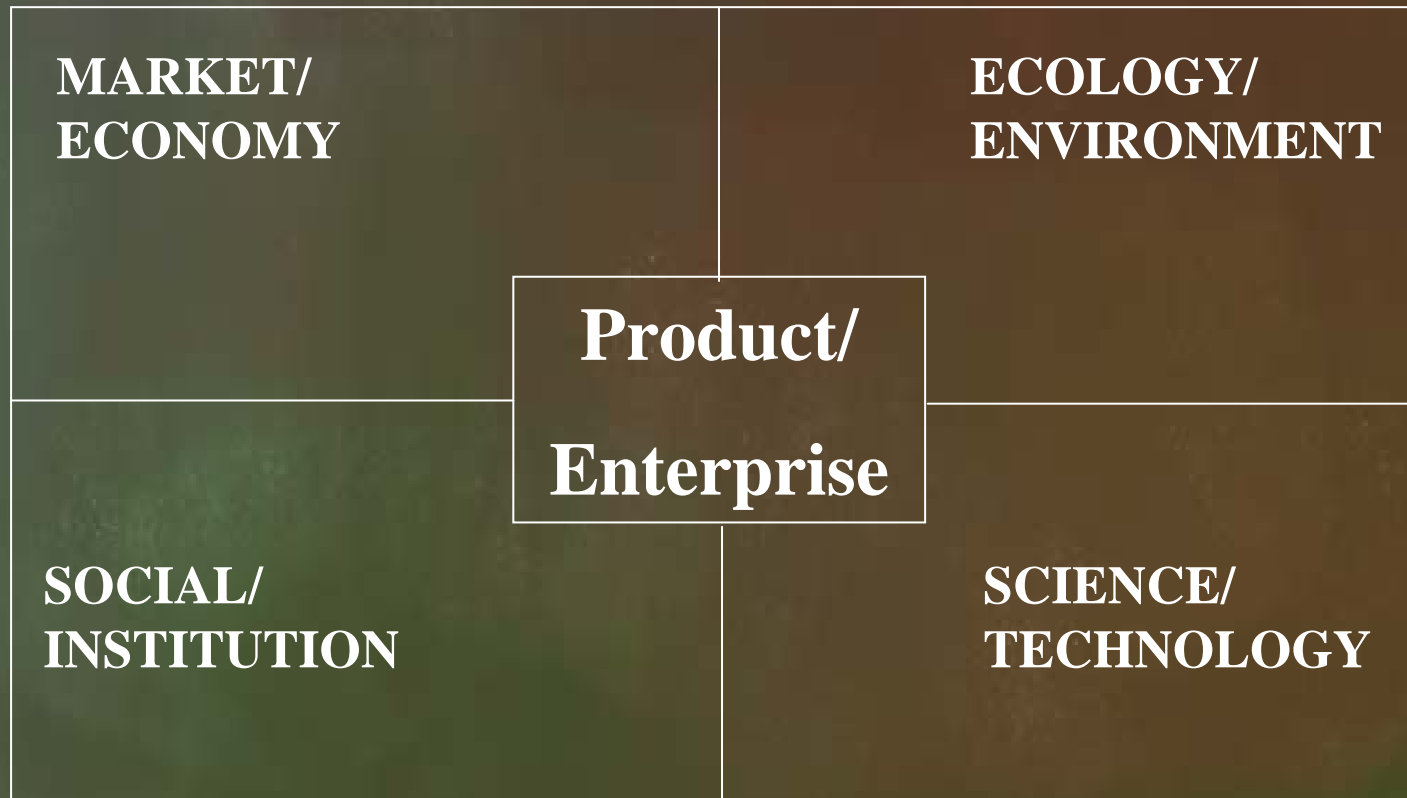
NTFPs

**Focus**

Presentation  
technique

Arrangements

Your Topic!



# Where will we focus on?

NTFPs

**Focus**

Presentation  
technique

Arrangements

Your Topic!

- Community based NTFP Management
  - Community based management approaches (Community forest, joint forest management, etc.)
  - Ownership and tenure
  - Challenges and case studies



# Where will we focus on?

NTFPs

## Focus

Presentation  
technique

Arrangements

Your Topic!

- NTFP Policy (rules, regulation, certification)
  - Policy- global and local perspectives
  - Conventions, regulations (TRAFFIC, CITES, etc.)
  - Certification (few cases)
  - Gender issues

# Where will we focus on?

NTFPs

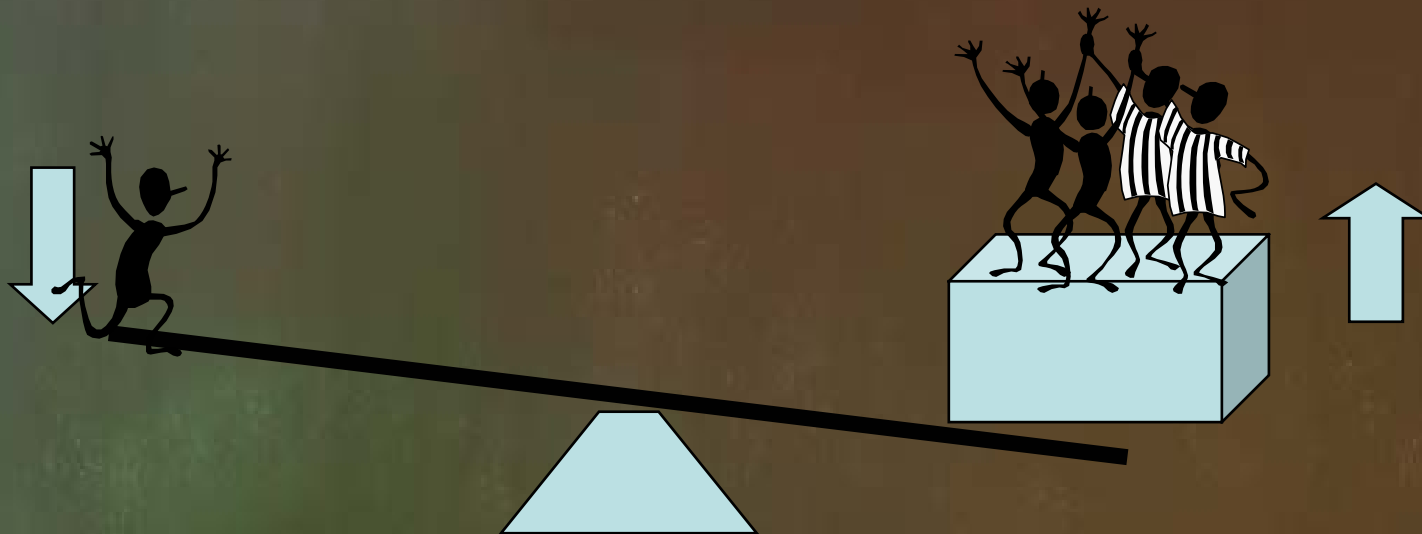
## Focus

Presentation  
technique

Arrangements

Your Topic!

- NTFP Policy (rules, regulation, certification)



# Where will we focus on?

NTFPs

## Focus

Presentation  
technique

Arrangements

Your Topic!

- Medicinal and aromatic plants
  - Global scenario
  - Market
  - Conservation issues
  - Value addition
- Ornamental plants
  - Global scenario
  - Market
  - Value addition

# Where will we focus on?

NTFPs

## Focus

Presentation  
technique

Arrangements

Your Topic!

- Case studies:
  - What and how to learn.
  - E.g. timber plantation vs. MUF's
  - Integration of NTFP

# Examination module part NTFP: students presentation.

NTFPs

Focus

**Presentation  
technique**

Arrangements

Your Topic!

## Startup

- Attracting attention
- Focus on topic
- Introduction
- objectives and hypotheses

# Examination module part NTFP: students presentation.

NTFPs

Focus

**Presentation  
technique**

Arrangements

Your Topic!

## Evaluation during the presentation

- Clarity of structure
- Keeping audience attention
- Precise disclosure of information
- Concentration upon key issues



# Examination module part NTFP: students presentation.

NTFPs

Focus

**Presentation  
technique**

Arrangements

Your Topic!

## Evaluation

- Keeping the scheduled time
- Formalities (quality of visualized information)
- Language style (speed, clarity, articulation)
- Presentation style (presence, contact to participants, reactions)
- Complete and correct citations

# Examination module part NTFP: students presentation.

NTFPs

Focus

**Presentation  
technique**

Arrangements

Your Topic!

## **After presentation**

- Discussion (flexibility, quality, deeper knowledge)

# Further lecture arrangements

NTFPs

Focus

Presentation technique

**Arrangements**

Your Topic!

**Venue: FSR 1.1**

**Time: 10:00hr - 13:00hr ct (for the first part)**

Fr 25.01.	1	Sprenger	Introduction to NTFP
	2	Bhandari	Sustainable management (issues and strategies)
	3	Kiffner	Introduction to wildlife management
Fr 01.02.	1	Bhandari	NTFP trade and marketing: an overview of market analysis and development (MA&D) of NTFP
	2	Bhandari	Market analysis and development (MA&D) of NTFP
	3	Bhandari	Market analysis and development (MA&D) of NTFP

# Please decide: your presentation topic

NTFPs

**Focus**

Presentation technique

Arrangements

**Your Topic!**

- This presentation will be downloadable:  
[www.tropenzentrum.de](http://www.tropenzentrum.de)
- Use links and search for your possible presentation topic

## Arrangement next week!

# Additional NTFP Information Resources:

- <http://www.ntfp.org>
- <http://ntfp.inbar.int/wiki/index.php/About>
- <http://www.fao.org/forestry/site/6367/en/>
- <http://www.unido.org/doc/38898>
- <http://www.ifcae.org/ntfp/databases/links/ mailing/>
- <http://www.sfp.forprod.vt.edu/>