

---

# TRAINING COURSE ON SUSTAINABLE COMMERCIAL REFORESTATION MANAGEMENT

---

October 2016



Tailor Made Training developed by University Van Hall Larenstein, FORM International, and CMO Forestry Operations Africa

Funded under Nuffic Tailor Made Training

October 2016

Ghana



The organisation for internationalisation in education

## Content

1. General information.....	4
1.1. Introduction .....	4
1.2. Rationale for this training .....	4
1.3. Study objectives and competences .....	5
2. Programme .....	5
2.1. Lecture scheme per group .....	5
2.1.1. Group 1 .....	5
2.1.2. Group 2 .....	7
2.2. Brief description per module .....	8
2.2.1. Introduction to course, forest issues, & plantation management (Rosa Diemont (VHL)).....	8
2.2.2. Agroforestry and intercropping (Rosa Diemont (VHL)) .....	8
2.2.3. Species selection (Peter van der Meer (VHL)).....	9
2.2.4. Nurseries (Peter van der Meer (VHL)) .....	9
2.2.5. Productivity and cost management (Andrew McEwan (CMO)) .....	9
2.2.6. Harvesting (Andrew McEwan (CMO)).....	9
2.2.7. Fire management - Suppression I: The Initial Attack Fire Boss (Ben Potgieter (CMO)).....	9
2.2.8. Financials of a plantation development company (Rutger de Wolf (FI)).....	10
2.2.9. Certification of sustainable forest management & carbon credits (Tieme Wanders (FI))...	10
2.2.10. Supportive infrastructure (Tieme Wanders (FI)) .....	10
2.2.11. Risk management (Tieme Wanders (FI)).....	10
3. Trainers.....	10
4. Additional reading.....	12
4.1. Books .....	12
4.2. Relevant websites.....	13

# 1. General information

## 1.1. Introduction and rationale for this training

In the tropics, productive natural forests are becoming increasingly scarce due to over-exploitation and land-use conversion, while the demand for timber and other forest products is strongly increasing. Plantation forests constitute an increasing proportion of tropical forest cover. In some countries their extent is already much larger than that of natural forests (FAO, 2006). Almost half of all forest plantations, some 67 million hectares, is located in tropical countries: some 80% in Asia and the Pacific region, 13% in Latin America and the Caribbean, and 7% in Africa (Bodegom, Berg & Meer, 2008). Forest plantations are an attractive alternative to produce timber and other goods. In addition, there is an increasing recognition of the environmental services that can be provided by plantation forests. Also carbon sequestration by plantation forests, as a mechanism to mitigate the effect of the emissions of greenhouse gases, has created a stronger interest in reforestation projects.

Bringing all these promising aspects of sustainable plantation management fully into play, requires well trained managers and capable staff. This Nuffic Tailor Made Training ‘Sustainable commercial reforestation management’ is meant to develop such qualified personnel. The participants gain in-depth knowledge on forest plantation planning, which requires the ability of acquiring, analysing and integrating scientific information to apply this knowledge in a practical setting.

Form Ghana is currently managing reforestation areas in Ghana on a commercial basis. During the establishment of the reforestation areas, it has proven to be difficult to find expert staff regarding plantation management, among young professionals in Ghana. This training is intended for young professionals with a theoretical education or background in natural resources management and management of natural forests. It complements their expertise framework with knowledge and real practical experience about sustainable plantation forestry. It is intended to prepare participants in such way they are able to take up management positions and train junior staff themselves. Preparing junior staff to grow within the company and to function well within a specific management approach will enable the company to develop towards sustainable plantation forestry and implement the FSC principles, to which the company has committed. Applying science is another element that is strengthened in this training, since the knowledge about the use of species provenances, latest certification requirements, adaptation measures to climate change, etc. is becoming more and more important for a commercial reforestation initiative business case.

The Nuffic Tailor Made Training is offered to young professionals of Form Ghana Ltd. and other professionals of related institutes in Ghana. This training is developed by a consortium of University of Applied sciences Van Hall Larenstein, Form International and CMO Forestry Operations Africa.

## 1.2. Study objectives and competences

This course aims at providing the participants with real practical experience and applied knowledge on plantation management, reforestation, entrepreneurship, and related issues. Through theoretical knowledge and hands on experience, participants have increased capacity regarding forest plantation management. Moreover, in the end of the course participants:

- Understand the multi-disciplinary nature of plantation forestry (i.e. a mix the disciplines ecology, economics, and social sciences needed for planning and management of plantations);
- Understand global and local important forest issues and challenges;
- Know the principles of sustainable management of commercial reforestation initiatives;
- Are able to apply practical management and supervision activities and make decisions in order to fully use of management tools to be as productive as decision making
- Possess hand-on skills, regarding selected aspects of plantation management;

## 2. Programme

In October, for a period of two weeks, participants will follow theoretical lessons, practical assignments, and excursions in the field. Theory will be complemented with hands-on skills, regarding selected aspects of plantation management. The first group of participants will start the course on the 10<sup>th</sup> of October. The second groups starts the 17<sup>th</sup> of October.

### 2.1. Lecture scheme per group

#### 2.1.1. Group 1

Date	Time	Lecturer	Location	Lecture	Topics addressed
Monday 10-10-2016	AM 9.00 - 12.00	Rosa Diemont	tbd	Introduction to course and forest issues	<ul style="list-style-type: none"> <li>• Course outline</li> <li>• Global and local challenges regarding forest ecosystems</li> </ul>
	PM 13.00 - 16.00	Rutger de Wolf	tbd	Financials of a plantation development company	<ul style="list-style-type: none"> <li>• Main financial aspects of plantation management</li> <li>• Budgeting</li> <li>• Calculations of daily forestry operations</li> <li>• Comparing and decision making for different scenario's in financial terms</li> </ul>
Tuesday 11-10-2016	AM 9.00 - 12.00	Rosa Diemont	tbd	Introduction to plantation management	<ul style="list-style-type: none"> <li>• Plantation forestry</li> <li>• Plantation management cycle</li> <li>• Plantation forestry and timber industry in Ghana</li> </ul>
	PM 13.00 - 16.00	Rutger de Wolf	tbd	Financials of a plantation development company	Follow-up
Wednesday 12-10-2016	AM 9.00 - 12.00	Rosa Diemont	tbd	Introduction to plantation management	Follow-up
	PM 13.00 - 16.00	Rutger de Wolf	tbd	Financials of a plantation development company	Follow-up
Thursday 13-10-2016	AM 9.00 - 12.00	Rutger de Wolf	tbd	Financials of a plantation development company	Follow-up
	PM 13.00 - 16.00	Rosa Diemont	tbd	Agroforestry and intercropping	<ul style="list-style-type: none"> <li>• Agroforestry systems</li> <li>• Functions of tree and crop components and interaction within commercial plantations</li> </ul>

Date	Time	Lecturer	Location	Lecture	Topics addressed
Friday 14-10-2016	AM 9.00 - 12.00	Ben Potgieter	tbd	Fire management - Suppression I: The Initial Attack Fire Boss	<ul style="list-style-type: none"> <li>• Fire Boss responsibilities</li> <li>• Standard operating procedures</li> <li>• Priorities, objectives, strategies and tactical plans</li> <li>• Communication plan</li> <li>• Develop the Incident action plan</li> <li>• Pre suppression Planning (High FDI readiness)</li> <li>• Parts of a fire and fire behaviour</li> <li>• Fire Safety</li> <li>• En route to a fire, arriving at the fire, size up fires, mopping up</li> </ul>
	PM 13.00 - 16.00	Peter van der Meer	tbd	Species selection	<ul style="list-style-type: none"> <li>• Species ecology and species characteristics</li> <li>• Selection of species in a plantation setting</li> <li>• Main tree species used in plantations</li> <li>• Indigenous species</li> </ul>
Saturday 15-10-2016	AM 9.00 - 12.00	Ben Potgieter	tbd	Fire management - Suppression I: The Initial Attack Fire Boss	Follow-up
	PM 13.00 - 16.00	Peter van der Meer	tbd	Species selection	Follow-up
Monday 17-10-2016	AM 9.00 - 12.00	Peter van der Meer	tbd	Nurseries	<ul style="list-style-type: none"> <li>• Importance of nursery management</li> <li>• Set-up and management</li> <li>• Nursery types</li> <li>• Nursery practicals</li> </ul>
	PM 13.00 - 16.00	Ben Potgieter	tbd	Fire management - Suppression I: The Initial Attack Fire Boss	Follow-up
Tuesday 18-10-2016	AM 9.00 - 12.00	Peter van der Meer	tbd	Nurseries	Follow-up
	PM 13.00 - 16.00	Ben Potgieter	tbd	Fire management - Suppression I: The Initial Attack Fire Boss	Follow-up
Wednesday 19-10-2016	AM 9.00 - 12.00	Andrew McEwan	tbd	Productivity and cost management	<ul style="list-style-type: none"> <li>• Practical management &amp; supervision activities and responsibilities: PDCA</li> <li>• Time management: risks, planning and targets</li> <li>• Cost management</li> </ul>
	PM 13.00 - 16.00	Tieme Wanders	tbd	The certification of sustainable forest management and carbon credits	<ul style="list-style-type: none"> <li>• Current importance of the FSC certificate and carbon credits</li> <li>• FSC system and standard</li> <li>• Comply with the FSC standard</li> <li>• System for selling certified carbon credits</li> <li>• People management and community involvement in the light of FSC</li> </ul>
Thursday 20-10-2016	AM 9.00 - 12.00	Andrew McEwan	tbd	Productivity and cost management	Follow-up
	PM 13.00 - 16.00	Tieme Wanders	tbd	The certification of sustainable forest management and carbon credits	Follow-up
Friday 21-10-2016	AM 9.00 - 12.00	Andrew McEwan	tbd	Harvesting	<ul style="list-style-type: none"> <li>• Post-harvesting management and tree optimisation</li> <li>• A tactical harvesting plan and risk management</li> <li>• Daily planning and harvesting operations</li> <li>• Harvesting systems</li> <li>• Transport and roads</li> </ul>
	PM 13.00 - 16.00	Tieme Wanders	tbd	Supportive infrastructure	<ul style="list-style-type: none"> <li>• How infrastructure is vital to proper plantation management</li> <li>• Planning</li> <li>• Quality requirements</li> <li>• Roads, buildings, sanitation, waste and others</li> </ul>
Saturday 22-10-2016	AM 9.00 - 12.00	Andrew McEwan	tbd	Harvesting	Follow-up
	PM 13.00 - 16.00	Tieme Wanders	tbd	Risk management	<ul style="list-style-type: none"> <li>• Identify potential risks</li> <li>• How to manage risks</li> <li>• Systematics of risk assessment</li> <li>• Pest and diseases</li> </ul>

## 2.1.2. Group 2

Date	Time	Lecturer	Location	Lecture	Topics addressed
Monday 17-10-2016	AM 9.00 - 12.00	Rosa Diemont	tbd	Introduction to course and forest issues	<ul style="list-style-type: none"> <li>• Course outline</li> <li>• Global and local challenges regarding forest ecosystems</li> </ul>
	PM 13.00 - 16.00	Rutger de Wolf	tbd	Financials of a plantation development company	<ul style="list-style-type: none"> <li>• Main financial aspects of plantation management</li> <li>• Budgeting</li> <li>• Calculations of daily forestry operations</li> <li>• Comparing and decision making for different scenario's in financial terms</li> </ul>
Tuesday 18-10-2016	AM 9.00 - 12.00	Rosa Diemont	tbd	Introduction to plantation management	<ul style="list-style-type: none"> <li>• Plantation forestry</li> <li>• Plantation management cycle</li> <li>• Plantation forestry and timber industry in Ghana</li> </ul>
	PM 13.00 - 16.00	Rutger de Wolf	tbd	Financials of a plantation development company	Follow-up
Wednesday 19-10-2016	AM 9.00 - 12.00	Rosa Diemont	tbd	Introduction to plantation management	Follow-up
	PM 13.00 - 16.00	Rutger de Wolf	tbd	Financials of a plantation development company	Follow-up
Thursday 20-10-2016	AM 9.00 - 12.00	Rosa Diemont	tbd	Agroforestry and intercropping	<ul style="list-style-type: none"> <li>• Agroforestry systems</li> <li>• Functions of tree and crop components and interaction within commercial plantations</li> </ul>
	PM 13.00 - 16.00	Rutger de Wolf	tbd	Financials of a plantation development company	Follow-up
Friday 21-10-2016	AM 9.00 - 12.00	Peter van der Meer	tbd	Species selection	<ul style="list-style-type: none"> <li>• Species ecology and species characteristics</li> <li>• Selection of species in a plantation setting</li> <li>• Main tree species used in plantations</li> <li>• Indigenous species</li> </ul>
	PM 13.00 - 16.00	Ben Potgieter	tbd	Fire management - Suppression I: The Initial Attack Fire Boss	<ul style="list-style-type: none"> <li>• Fire Boss responsibilities</li> <li>• Standard operating procedures</li> <li>• Priorities, objectives, strategies and tactical plans</li> <li>• Communication plan</li> <li>• Develop the Incident action plan</li> <li>• Pre suppression Planning (High FDI readiness)</li> <li>• Parts of a fire and fire behaviour</li> <li>• Fire Safety</li> <li>• En route to a fire, arriving at the fire, size up fires, mopping up</li> </ul>
Saturday 22-10-2016	AM 9.00 - 12.00	Peter van der Meer	tbd	Species selection	Follow-up
	PM 13.00 - 16.00	Ben Potgieter	tbd	Fire management - Suppression I: The Initial Attack Fire Boss	Follow-up
Monday 24-10-2016	AM 9.00 - 12.00	Peter van der Meer	tbd	Nurseries	<ul style="list-style-type: none"> <li>• Importance of nursery management</li> <li>• Set-up and management</li> <li>• Nursery types</li> <li>• Nursery practicals</li> </ul>
	PM 13.00 - 16.00	Ben Potgieter	tbd	Fire management - Suppression I: The Initial Attack Fire Boss	Follow-up
Tuesday 25-10-2016	AM 9.00 - 12.00	Peter van der Meer	tbd	Nurseries	Follow-up
	PM 13.00 - 16.00	Ben Potgieter	tbd	Fire management - Suppression I: The Initial Attack Fire Boss	Follow-up

Date	Time	Lecturer	Location	Lecture	Topics addressed
Wednesday 26-10-2016	AM 9.00 - 12.00	Andrew McEwan	tbd	Productivity and cost management	<ul style="list-style-type: none"> <li>• Practical management &amp; supervision activities and responsibilities: PDCA</li> <li>• Time management: risks, planning and targets</li> <li>• Cost management</li> </ul>
	PM 13.00 - 16.00	Andrew McEwan	tbd	Productivity and cost management	Follow-up
Thursday 27-10-2016	AM 9.00 - 12.00	Tieme Wanders	tbd	The certification of sustainable forest management and carbon credits	<ul style="list-style-type: none"> <li>• Current importance of the FSC certificate and carbon credits</li> <li>• FSC system and standard</li> <li>• Comply with the FSC standard</li> <li>• System for selling certified carbon credits</li> <li>• People management and community involvement in the light of FSC</li> </ul>
	PM 13.00 - 16.00	Andrew McEwan	tbd	Harvesting	<ul style="list-style-type: none"> <li>• Post-harvesting management and tree optimisation</li> <li>• A tactical harvesting plan and risk management</li> <li>• Daily planning and harvesting operations</li> <li>• Harvesting systems</li> <li>• Transport and roads</li> </ul>
Friday 28-10-2016	AM 9.00 - 12.00	Tieme Wanders	tbd	The certification of sustainable forest management and carbon credits	Follow-up
	PM 13.00 - 16.00	Andrew McEwan	tbd	Harvesting	Follow-up
Saturday 29-10-2016	AM 9.00 - 12.00	Tieme Wanders	tbd	Supportive infrastructure	<ul style="list-style-type: none"> <li>• How infrastructure is vital to proper plantation management</li> <li>• Planning</li> <li>• Quality requirements</li> <li>• Roads, buildings, sanitation, waste and others</li> </ul>
	PM 13.00 - 16.00	Tieme Wanders	tbd	Risk management	<ul style="list-style-type: none"> <li>• Identify potential risks</li> <li>• How to manage risks</li> <li>• Systematics of risk assessment</li> <li>• Pest and diseases</li> </ul>

## 2.2. Brief description per module

### 2.2.1. Introduction to course, forest issues, & plantation management (Rosa Diemont (VHL))

In the introduction course participants receive the basics of global and local challenges regarding forest ecosystems, ecosystem goods and services, the importance of plantations, concepts aiming to reduce deforestation, and the current situation of timber flows in Ghana. In the end students are familiarised with the fundamentals of plantation management, and the plantation cycle; the selection and justification of appropriate establishment and management schemes for tropical forest plantations for a variety of purposes.

### 2.2.2. Agroforestry and intercropping (Rosa Diemont (VHL))

In this module participants receive a solid understanding of agroforestry systems, the advantages and disadvantages of agroforestry in a commercial plantation setting, and the potentials for improving sustainable cropping systems. In the end, participants are familiar the various functions of tree and crop components within plantations, and can understand the advantages and limitations of agroforestry systems. Additionally, the participant can distinguish between different agroforestry systems, such as tree gardens, improved fallows, hedgerow intercropping, alley cropping, fodder banks, live fences and boundary planting. Agroforestry concepts such as agroforestry components, tree-crop interactions, spatial arrangements, below ground tree-crop interactions, importance of tree domestication of indigenous trees, and multipurpose trees are known. Next to this, we will have a look

at stakeholder's adoption of agroforestry practices and agroforestry trials, and the trade-offs they make.

### 2.2.3. Species selection (Peter van der Meer (VHL))

The module of species selection starts with broad scope on species ecology. Participants learn to select species in a plantation setting, taking the ecology of a tree species and its characteristics into account. From this ecological starting point we move towards the basic understanding needed for selecting species in a plantation setting. How to select the appropriate species, matching the site conditions and fulfilling the stated objectives? Next to this, the participants become familiar with the main tree species used in plantations and their characteristics, such as Teak, Eucalypt, Pine, and Cedrella. Also, the use of indigenous species in plantation settings is considered.

### 2.2.4. Nurseries (Peter van der Meer (VHL))

Good nurseries practices are of great importance in the development of tree plantations and the success and final result of a plantation cycle. In this module participants receive a high-level theoretical and practical training in setting up and maintaining medium to large scale tree nurseries on tropical plantation sites. Next to this the student can distinguish between different nursery systems and practices (e.g. temporary/permanent nurseries, sunken/raised/seedbeds) and the trade-offs made in nursery management. This module will be completed with a the practicals of setting up a nursery.

### 2.2.5. Productivity and cost management (Andrew McEwan (CMO))

In this module participants learn to apply the tools there are for practical management and supervision activities, like the Plan-do-act-check-cycle. They learn to identify, mitigate and control the key factors, reducing productive time. Productivity monitoring and setting performance standards are practical ways to quickly optimal utilisation of the day. Setting realistic goals and a professional planning enables an organisation to get more done in less time, even when time is tight and pressures are high.

Next to this, the participant gains in depth knowledge of the financial make or break factors in a operation and how to manage the key factors for effective and efficient operations. They understand the true impact of fixed and variable costs on the profitability of an operation and which steps to take to reduce costs and improve productivity.

### 2.2.6. Harvesting (Andrew McEwan (CMO))

In this module the participant learns about the variety of harvesting systems and their practical implications. At the end of this module the participants are able to compile a tactical harvesting system and an operational harvesting plan, taking into account the site specific risks. The students learn how to make a daily planning and manage the daily harvesting operations. Next to this, attention is given to tree optimisation activities and methods to realise the potential value of a stand, inventory management (including orders and stock), post harvesting management, transport and roads.

### 2.2.7. Fire management - Suppression I: The Initial Attack Fire Boss (Ben Potgieter (CMO))

"Knowledge and experience are the most effective tools that we have to combat and survive a wildfire and the most precious gift we can give those who come after us" (Phillip L. Queen). This first module on fire management covers four sessions, preparing the candidates to respond to a smoke report, size up the fire scenario and implement a plan of attack. The fire boss would normally attain the required knowledge, skills and attitudes through completion of a minimum of the Fire Boss II training, combined with several years of fire suppression and pre-suppression experience. At the end of the course participants are capable to detect a fire on time and give a quick response, resulting in a minimum damage or loss.

### 2.2.8. Financials of a plantation development company (Rutger de Wolf (FI))

At the end of this module, students will have a thorough idea of the main financial aspects of plantation management, and have practised many financial calculations of daily forestry operations. This course will mostly be practical: listing cost items, making budgets, calculating the costs of several forestry activities, comparing different scenario's in financial terms – such as manual vs. mechanized activities. It will further elaborate on using financial calculations to make decisions on scenario's/approaches.

### 2.2.9. Certification of sustainable forest management & carbon credits (Tieme Wanders (FI))

In this module participants gain an in depth knowledge of the FSC system and standard. The students will learn how FSC came into being and what currently the importance of this certification scheme is. Also the ways in which a company can make sure that it complies to the FSC standard is treated in detail. After the training, the participant should be able to look at its own organisation analytically to see how compliance with FSC can be ensured. The training will also highlight monitoring, training subjects and audits.

Carbon credits can be an interesting way to gain additional income from plantations. The set-up of a good system for carbon certification is the focus of this training. What is needed and how can you ensure that carbon credits can be certified?

### 2.2.10. Supportive infrastructure (Tieme Wanders (FI))

Infrastructure needs more attention than is often given to it. It is vital to proper plantation management. The proper planning will help greatly in case of emergency (accident or fire). For certification purposes it is important what the quality requirements on infrastructure are. These will be highlighted in the training. The training will focus on requirements on roads, buildings, sanitation, waste and others.

### 2.2.11. Risk management (Tieme Wanders (FI))

Risk management is important for any plantation owner and is part of a sound management system but also of certification. How to identify potential risks and how to manage them is essential. This training focusses on the systematics of risk assessment and provides guidance on how to tackle each risk in a systematic way.

## 3. Trainers



**Rosa Diemont** holds a BSc. degree in Forestry and Nature Conservation, University of Applied Sciences Van Hall Larenstein. After her study, she worked at Van Hall Larenstein, as a Major coordinator assistant and lecturer for the specializations Tropical Forestry and International Timber Trade. She has lived and worked in Latin and Central America (Brazil, Chile, Panama, Costa Rica), where she acquired experience in ecological and socio-economic studies. Currently, she works as junior consultant at Form International.



**Peter van der Meer** holds a PhD in tropical forest ecology, and has been involved in tropical forest research for more than 25 years. His focus lies on management of tropical rain forests and the sustainable use of ecosystem goods and services. Next to this, he is coordinator and lecturer at the specialization Tropical Forestry at University of Applied sciences Van Hall Larenstein. He is mostly active in projects in Southeast Asia. He is on the Steering Committee of the SEnSOR Programme, a five-year research program

designed to fill key knowledge gaps in testing and developing the RSPO's Principles and Criteria for sustainability in oil palm plantations.



**Andrew McEwan** has over 20 years' experience in the forestry industry. He has worked for large forestry companies in positions ranging from a forester to a forest engineering technical manager. He is specialised in infrastructural solutions within forest management, regarding road management, planning, and maintenance, both in theory and on the ground. Currently, he is a forest engineering lecturer and researcher at the Nelson Mandela Metropolitan University.



**Ben Potgieter** has over 33 years of experience as professional forester and trainer. He is a renowned fire management consultant and specialist on practical fire suppression trainings to improve knowledge and skills. He has worked as forest manager at the large forestry company Sappi where he has been responsible of several plantations and fire management. Currently, he is managing director of CMO.



**Rutger de Wolf** holds a MSc. in Forest and Nature Conservation at the Wageningen University, The Netherlands. He has more than 10 years professional experience in the forest and nature sector, with broad international experience, including plantation forestry in Ghana. He is an all-round forester and is specialised in financial aspects of forest management and has delivered many trainings and presentations, both formal and on the ground.



**Tieme Wanders** is a Tropical Forestry graduate from the Wageningen University and Research Centre. Tieme has over 15 years of professional experience with forest management, plantation establishment and management and the certification of sustainable forest management and of carbon credits. He has been responsible for successful plantation establishment in Tanzania, Cameroon and Ghana. Tieme implemented the certification of sustainable forest management successfully first in Cameroon at logging companies and later also at Form Ghana. As director of the Congo Basin program he has stimulated the certification of sustainable forest management in the Congo Basin. Currently working as a Research and Development Manager he is responsible for technological improvements in the Form Group.

## 4. Additional reading

### 4.1. Books

Auteur	Evans, J. & Turnbull, J.W.
Year	2004
Title	Plantation Forestry in the Tropics. The role, silviculture and use of planted forests for industrial, social, environmental and agroforestry purposes
Edition	Third
Publisher	Oxford University Press, Oxford, U.K.
ISBN	9780198509479

Auteur	Jürgen Bausch, Peter van der Meer and Markku Kanninen
Year	2010
Title	Ecosystem Goods and Services from Plantation Forests
Edition	First
Publisher	Earthscan
ISBN	0-87893-518-5

Auteur	Mike Garforth & James Mayers (eds.)
Year	2005
Title	Plantations, privatization, poverty, and power.
Edition	1 <sup>st</sup>
Publisher	Earthscan
ISBN	1-84407-152-9

Auteur	Higman, S., J. Mayers, S. Bass, N. Judd & R. Nussbaum
Year	2005
Title	The sustainable Forestry Handbook
Edition	second
Publisher	Earthscan
ISBN	0-87893-518-5

## 4.2. Relevant websites

<b>Internet address (URL)</b>	<b>Description</b>
<a href="http://www.itto.or.jp/">http://www.itto.or.jp/</a>	International Timber Trade Organisation (ITTO)
<a href="http://www.fao.org/">http://www.fao.org/</a>	FAO
<a href="http://www.fao.org/forestry/site/fra2005/en/">http://www.fao.org/forestry/site/fra2005/en/</a>	FAO – Global Forest Resource Assessment
<a href="http://www.ctfs.si.edu/doc/index.php">http://www.ctfs.si.edu/doc/index.php</a>	Centre for Tropical Forest Science (CTFS-STRI)
<a href="http://www.wri.org/">http://www.wri.org/</a>	World Resource Institute
<a href="http://www.worldagroforestry.org/">http://www.worldagroforestry.org/</a>	World Agroforestry Organisation (former ICRAF)
<a href="http://www.fsc.org/en/">http://www.fsc.org/en/</a>	Forest Stewardship Council
<a href="http://www.certificationwatch.org/">http://www.certificationwatch.org/</a>	Forest Certification Watch
<a href="http://www.odi.org.uk/nrp/">http://www.odi.org.uk/nrp/</a>	Overseas Development Institute
<a href="http://www.pefc.org/internet/html/">http://www.pefc.org/internet/html/</a>	Pan European Forest Council - Programme for the Endorsement of Forest Certification schemes

