

**Day Two**

**NATIONAL CONSULTATIVE MEETING ON C&Is  
FOR FOREST MANAGEMENT CERTIFICATION**

4- March 2016

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## 1. Introduction

The National Consultative Meeting on C&Is for Forest Management Certification was held on 4 March 2016 at the International Business Centre in Yangon. It was attended by 79 participants.

U Shwe Kyaw, Chairman of MFCC explained the second day agenda of the meeting. The morning session was occupied by WWF- Myanmar's presentations. It consisted of the WWF-Myanmar Forest Strategy, FSC (Forest Stewardship Council) overview, FSC's National Standard Development Process, Certification for Ecosystem Services and Market Overview.

The evening session of Day 2 covered the presentations on The National Standards in Myanmar and the development of Myanmar C&Is for forest management certification. U Shwe Kyaw reported the meeting the progress of the development of the C&Is. He mentioned that C&I for the natural forest management in Myanmar was developed in 2007 based on the ITTO's C&I and it needed to be revised. The draft C&Is for natural forest and plantation were prepared by a consultant who was financially assisted by GAPCC (ASEAN-German Programme on Response to Climate Change).

The drafts were discussed at the meetings of the Technical Working Group of MFCC and circulated to the forest related stakeholders for comments. The suggestions and comments were already received from some stakeholders and the drafts will be further discussed in this consultative meeting for improvement.

## 2. Presentation by WWF Myanmar

Ms. Amalia Maling, Forest Project Manager of WWF Myanmar explained about WWF Myanmar Forest Programme (2015-2020). Her presentation appears in Annex-3.

The programme aims at, by 2020, Government, Civil Society and Private Sector design and successfully implements a Green Economy that sustains natural capital over the long run for the benefit of biodiversity and human communities.

The priority landscapes of the project are Ayeyarwady and/or Salween rivers and Dawna Taninthari Landscape (DTL) (84441.73 km<sup>2</sup>).

It could be achieved the followings at the end of the project period.

- Ecological integrity and ecosystem services are protected, maintained and restored in DTL priority landscape.
- Overall forest deforestation rate stays below 0.07% in DTL area.

The key project activities are,

- Securing resources rights for local communities
- Conservation- based enterprise development
- Strategic partnership with CSOs
- Policy engagement with government

-



## 2.1 Discussion points

- Q. Ask about the programme to rescue the Ayeyarwady dolphin and deforestation due to establishing Oil Palm and Rubber plantations.
- A. WWF Myanmar started working at Tanintharyi area and it hasn't start along the Ayeyarwady River yet. As looking at the supply chain of rubber and oil palm in Indonesia and Thailand cases, there should be a way to balance the ecosystem/habitat.
- C. After 1994, Forest Department allowed only degraded areas for the establishment of rubber and oil palm plantations.



## 3. Presentations on Forest Stewardship Councils' (FSC) certification process by WWF Myanmar

Ms. Shizuka Grover, the quality Assurance Coordinator of FSC in the Asia and Pacific gave the following four presentations on FSC and they are provided in Annexes 4 – 7.

- (a) FSC overview
- (b) FSC National Standard Development Process
- (c) FSC Certification for Ecosystem Services
- (d) FSC Market opportunity

### (a) FSC overview

The private FSC forest certification scheme was established in 1993 and now has over 800 members to carry out for forest management certification. FSC conducts Forest Management and Supply Chain (COC) certifications. It is mentioned that on average, forestry companies can earn an extra US\$ 1.80 for every cubic meter of FSC certified round wood or equivalence. Group certification is also allowed to reduce the cost and time of certification.



### (b) FSC National Forest Stewardship Standard Development Process

The FSC's Principles, criteria and generic indicators were developed for forest management certification. These indicators are adopted, adapted or dropped and new indicators be added based on the country's legislations in the development of national standards. The Standard Development Group is established with the balanced participation of forest related stakeholder groups. The drafts of the standard are needed to be public-consulted before approval. It was mentioned that 11 National Standards be approved by 2017 in the Asia and Pacific.

### (c) FSC Certification for Ecosystem Services(ES)

The responsible forest management contributes many ecosystem services and their impacts on the specific services are verified with the market requirements. FSC conducted ES certification of water, soil, NTFP, REDD+, Ecotourism etc.; in different forest types of Chile, Nepal, Indonesia and Vietnam.

### (D) FSC Market Opportunity

The needs for eco-friendly forest products are increasing in all markets. FSC is doing forest certification to provide green products to the global market. The areas of FSC certified forest are increasing year by year and over 10.7 million ha of forest (6% of global certified area) are certified in the Asia and Pacific in 18 countries.

With regard to FSC Supply Chain (COC) Certification, 8579 certificates (30% of global COC certificates) have been issued in 38 countries in the Asia and Pacific region. One certificate included from Myanmar issued in November 2015. On 19 February 2016, FSC reached 30000 COC certificates issued globally. As FSC's labeled products are sure to get market access and can get premium prize, many companies around the world choose FSC for their market promotion.

### 3.1 Discussion points

Q: Could you please provide more information about one FSC certificate from Myanmar?

A: I think that is the supply chain (COC) certificate. A company can claim their timbers are certified if they buy or use certified products.

Q: The FSC certificate from Myanmar could be COC one and if a company can afford to pay the certification fees they can invite the FSC recognized certification bodies to audit their products. What is the cost of certification?

A: The fee for certification is not for the cost for certificate but it is for Audit. It differs the size and business of the company and is also depends on a company or group of companies. The audit fee is decided by certification bodies (CB).

Q: Where can we contact the certification bodies?

A: The FSC certification bodies must be accredited by ASI (Accreditation Service International). If there are CBs in Myanmar you can invite them to do audit for forest management or COC certification.



- C: Certification scheme is not mandatory. It is voluntary. If a company satisfies itself with its activities to comply with the relevant standards it depends on the company to be certified its products to get market access.

#### 4. Presentation on National Quality Infrastructure in Myanmar

Dr War War Moe, Deputy Director, National Standard and Quality Department (NSQD) of Department of Research and Innovation (DRI) Ministry of Sciences and Technology (MOST) explained about the National Quality Infrastructure in Myanmar and her presentation in full text appears in Annex-8.

She highlighted the development of National Quality Policy, standards, National Standard Bodies and the development processes. The Standard Development and Accreditation Divisions of the NSQD carry out the detailed technical activities in standard development, accreditation of certification bodies and inspection. To develop the Myanmar Standard, 19 technical sub-committees have been set up to review the draft standards and put forward for necessary actions.

One of the committees is for wood-based product. She mentioned that 77 draft Myanmar standards were received and is now preparing for enquiry stage to get public comments through media and website.



The National standard and Quality Department of the Department of Research and Innovation is implementing projects together with the international organizations to strengthen the development of Myanmar Standards and setting up the National Accreditation bodies.

##### 4.1 Discussion Points

U Win Naing, Deputy General Manager of Myanma Timber Enterprise elaborated the standardization process in Myanmar. He said that the ISO standards can now be adopted in Myanmar without referring to ISO. There are now 77 draft standards and it is opened to everyone to give comments. Six types of product are included in the wood-based product standard and there is no sub-committee or sector for the forest management standard and it is the system or process standard which is needed to be developed.



- C: FSC follows IAC (International Alliance of Certification) and ASI (Accreditation Service International) for accreditation and monitoring

Q: What are the responsible matters to follow by companies?

A: It needs to understand the objectives and procedure of ISO. To get access the exported products to the international markets, the corresponding standard must



be in line with the international requirements and the activities be complied with the set standard.

## 5. Presentation on Draft C&Is for Forest Management Certification (Natural Forest and Plantation)

U Ohn Lwin, Professor, University of Forestry presented on the preparation of draft C&Is for natural forest and plantation management certification which is provided in Annex-9.

He pointed out the major instruments and actions to support Sustainable Forest Management and C&Is development in Myanmar. The issues and challenges to implement the C&Is were given and suggestions to overcome these issues were also made.

In the drafts, FSC's Principles and Criteria were applied and the generic indicators were adopted or dropped to suit Myanmar Legislations. He mentioned that the present draft of C&Is are implementable and also meets the international requirements.



### 5.1 Panel Discussion



After the presentation, the Panel discussion was made with the following panelists.

- U Shwe Kyaw, Chairman ,MFCC
- U Soe Win Hlaing , Chairman, Myanmar Forest Association
- U Kyaw Htun, Representative for CSO
- U Zaw Win, Representative for Wood-based industry and Private Plantation
- Dr Maung Maung Than, Coordinator of RECOFTC
- U Myo Min, Director, Forest Department

U Barber Cho facilitated the discussions.

The panelists gave the introductory remarks.

**U Shwe Kyaw:** reported the meeting the progress of the current Myanmar C&I development and mentioned that the suggestions and comments from different organizations and individual have been received to revise the drafts. It is intended to further discuss the drafts in this meeting.

**U Soe Win Hlaing:** stressed the C&Is should be implementable in the field and suggested Climate change indicators be added.

**U Kyaw Htun:** pointed out that indicators related to CF are needed to put in the C&Is as the timber from these forests would be very important in the near future, the separate C&Is for CF should be prepared.

**Dr Maung Maung Than :** suggested that the drafted C&Is cover FPIC and needed to include the indicators for laborers in forestry operations and the laws for land and customary rights are also important to be considered in the C&Is.

**U Zaw Win:** suggested the separate C&I for CF should be prepared and stressed the participation of all stakeholders. It should be careful about the conversion of natural forests to plantations.

**U Myo Min:** pointed out that some laws are being revised and enacted soon and the related indicators with these laws need to be revised.

**Q:** AAC is important in the C&I for forest management. The mortality rate should be considered in calculating the AAC?

**A:** FD is now revising the management plans for FMUs and the AAC is calculated based on the existing growing stock.

**C:** AAC is important in forest management. The data from one-shot inventory and pre-harvest (SF marking) inventory should be reliable. The logging should be stopped for some time in Bago Yoma region as yield per unit area is low now.





C: AAC is just a parameter of number of trees or volume of timber to log from a forest. It is important to check the working stock of a forest for a felling series. If there is not enough working stock logging should be stopped and rest the forest until working stock is restored.



C: The C&Is refers to the Code of forest harvesting in some of the indicators. There are some activities in the code which are difficult to be implemented under Myanmar conditions and it needs to be revised.

C: Participant from private sector: The multi-stakeholder involvement in this meeting is important because the laws and procedures are prepared by authorities and experts and implemented by the private people (traders).

Q: Participant from FD: Are the unclassified forests (UCF) included in the AAC calculation? Just resting the forest is not enough to improve the forest.

A: U Myo Min (FD): The UCF are included in the AAC calculation and silvicultural operations will be carried out based on the budget and law enforcement be exercised to prevent illegal logging.

C: Assistant Director of Bago District (FD): With the present strength of staff it is difficult to control illegal logging and to implement other forest operations.

C: Participant from Attorney-General office: There are disciplines in setting the law, acts to follow and acts for rights and privileges are included in the Laws.



C: Participant from MTE: Annual cut is determined in consultation with FD and MTE. The logging policies of neighboring countries should also be considered.

C: U Myo Min (FD): AAC should be supply-based. If the demand is more than supply, there will be illegal logging. Now we engage the EU-FLEGT VPA process to strengthen our MTLAS to meet the requirement of EU.

C: Participant from MTE: The Standing orders for Subordinates (FD and MTE) should be revised to be in line with the current situation.

U Barber Cho facilitated the meeting by winding up the discussions of the participants.

Finally the panelists gave their comments on the improvement of the draft C&Is based on the outcomes of the meeting, law enforcement and governance, field test of the draft before adoption, involvement of all stakeholders, social and environmental considerations.

## 6. Meeting resolutions

- Prepare separate C&I for CF and small holders of forest.
- Revise the draft C&Is for natural forest and plantation management according to the suggestions and comments
- Conduct field test of the revised draft.
- Prepare final draft based on findings of field test
- Acquire suggestions and comments of the final draft from the stakeholders before adoption.

## 7. Closing session

U Shwe Kyaw closed the National Consultative Meeting on C&Is for Forest Management Certification.

He mentioned that with the earnest contributions of the participants, suggestions and comments were made during the workshop for the improvement of the draft C&Is which will be implementable by FMUs and acceptable by the international requirements.

He highlighted that the FMUs (Forest District), the basic units of forest management in Myanmar need to comply fully with the C&I requirements to be certified their forests by any certification bodies. It is important to carry out the prescriptions of the management plans successfully and FD, MTE, private sector and local communities work together to achieve the C&I requirement. If the C&Is for forest management are adopted and implemented by FMUs successfully, the state's forest resources will be sustainable and the products from those forests get market access and value.

He expressed his gratitude to WWF Myanmar Programme for financial support to convene this meeting and his appreciation to Ms. Amalia Maling and Ms. Shizuka Grover of WWF Myanmar Programme and Dr. War War Moe from Department of Research and Innovation for their presentations.

He concluded his remarks thanking to the panelists and participants for their attendances and invaluable contributions to the meeting.



## ANNEXES

## Annex. 1 Agenda of the Meeting



## National Consultative Meeting on C &I for Forest Management Certification

<b>Day Two (4-3-2016)</b>		
<b>Introductory Session</b>		
09:00 to 09:15	Introduction to the National Consultative Meeting on C & I for Forest Management Certification	U Shwe Kyaw, Chairman of MFCC
09:15 to 09:30	WWF Myanmar Forest Strategy (FSC Overview)	Ms. Amalia Maling, Forest Project Manager WWF-Myanmar
09:30 to 09:45	Question & Answer	
09:45 to 10:00	Coffee Break	
<b>Morning Session</b>		
10:00 to 10:30	FSC National Forest Steward Standard development Process	Ms. Shizuka Grover Quality Assurance Coordinator of FSC in Asia Pacific
10:30 to 10:40	Question & Answer	
10:40 to 11:10	Certification for Ecosystem Services	Ms. Shizuka Grover Quality Assurance Coordinator of FSC in Asia Pacific
11:10 to 11:20	Question & Answer	
11:20 to 11:50	Market Overview (FSC products, buyers, including NTFPs)	Ms. Shizuka Grover Quality Assurance Coordinator of FSC in Asia Pacific
11:50 to 12:00	Question & Answer	
12:00 to 13:00	Lunch Break	
<b>Afternoon Session</b>		
13:00 to 13:30	Introduction of National Quality Infrastructure	Dr. War War Moe, Deputy Director Ministry of Science & Technology
13:30 to 15:00	Explanation of the draft C & I for Natural Forest and Plantation	U Ohn Lwin, Prof. (UoF)
15:00 to 15:15	Coffee Break	
15:15 to 16:15	Panel Discussion on C & I	Panelist & Participants
<b>Closing Session</b>		
16:15 to 16:30	Closing Remarks	U Shwe Kyaw, Chairman of MFCC

**Annex. 2 List of {participants****NATIONAL PARTICIPANTS**

National Consultative Meeting on C&amp;I for Forest Management Certification

4 March, 2016

<b>Sr. No</b>	<b>Name</b>	<b>Designation</b>	<b>Department</b>
1	U Shwe Kyaw	Chairman	MFCC
2	U Ko Ko Lin	Assistant Director	Labour
3	Daw Cherry Mang Mann	Director	Planning, MFCC Member
4	Daw Cho Tu Mar	Deputy Director	Planning
5	Dr. San Thwin	Professor	University of Forestry, MFCC Member
6	U Aung Soe	Assistant Director	FRI
7	U Win Naing	Director	MOECAF, MFCC Member
8	Dr. War War Moe	Deputy Director	Ministry of Science and Technology
9	U Win Tint	Senior Metrology	Ministry of Science and Technology, MFCC Member
10	Daw Aye Aye Win	Director	Attorney General, MFCC Member
11	U Aung Myin	Deputy General Manager(Retired)	MTE, MFCC Member
12	U Mehm Ko Ko Gyi	Vice Chairman	ECCDI, MFCC Member
13	U Tin Ohn	E C Member	FREDA, MFCC Member
14	U Ohn Lwin	Professor	University of Forestry
15	U Hla Htut Win	Staff Officer	MOECAF
16	U Myo Min	Director, FD	EU FLEGT VPA (ITF)
17	U Min Min Oo	Staff Officer	Forest Department
18	U Zaw Win	Assistant Director, FD	EU FLEGT VPA (ITF)
19	U Kyaw Htike	Assistant General Manager, MTE	EU FLEGT VPA (ITF) , MFCC Member
20	Dr. Tin Tin Myint	Manager, MTE	EU FLEGT VPA (ITF)
21	U Ngwe Soe	Deputy Director, Trade	EU FLEGT VPA (ITF)
22	Dr. Sein Win	President ,MFPMF	EU FLEGT VPA (ITF), MFCC Member
23	U Tin Oo	Vice President ,MFPMF	EU FLEGT VPA (ITF)
24	U Maung Mg Thein Htike	CEO, MFPMF	EU FLEGT VPA (ITF)
25	U Barber Cho	Advisor, MFPMF	EU FLEGT VPA (ITF), MFCC Secretary


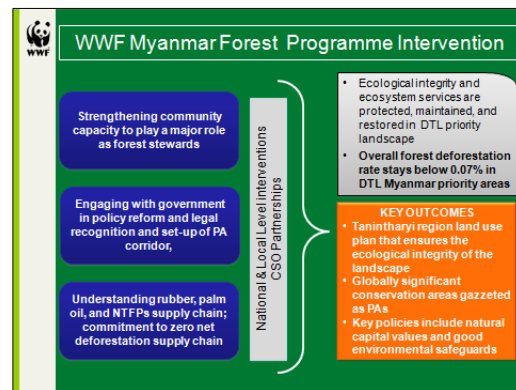
<b>Sr. No</b>	<b>Name</b>	<b>Designation</b>	<b>Department</b>
26	U Zaw Win	Advisor, MFPMF	EU FLEGT VPA (ITF)
27	U Kyaw Htun	Deputy Director General, MOECAAF(Retired)	
28	U Kyaw Min Htun	Thuriya Sandar, Region of Sagaing ,CSO	EU FLEGT VPA (ITF)
29	U Tet Toe	Assistant Director	Forest Department
30	U Phyo Zin Mon Naing	Assistant Director	Forest Department
31	U Chit Oo	Assistant Director	Forest Department
32	U Nyunt Win	Assistant Director	Forest Department
33	U Soe Myint Thein	Assistant Director	Forest Department
34	U Thaung Oo	Assistant Director	Forest Department
35	U Soe Tint	Assistant Director	Forest Department
36	U Hla Oo	Assistant Director	Forest Department
37	U Saw Ba Hein	Assistant Director	Forest Department
38	U Htay Maung	Assistant Director	Forest Department
39	U Aye Cho Thaung	Deputy General Manager	Myanma Timber Enterprise
40	U Khin Maung Kyi	Deputy General Manager	Myanma Timber Enterprise
41	U Aung Htun Kyaw	Assistant General Manager	Myanma Timber Enterprise
42	U Soe Yee	Assistant General Manager	Myanma Timber Enterprise
43	U Ye Htun	Assistant General Manager	Myanma Timber Enterprise
44	U Thiha	Assistant General Manager	Myanma Timber Enterprise
45	U Tin Min	Assistant General Manager	Myanma Timber Enterprise
46	U Zaw Win Thein	Assistant General Manager	Myanma Timber Enterprise
47	U Zaw Zaw Tun	Manager	Myanma Timber Enterprise
48	U Aung Htay	Manager	Myanma Timber Enterprise
49	U Win Ko Ko	Manager	Myanma Timber Enterprise
50	U Min Aung Naing	Manager	Myanma Timber Enterprise
51	U Kyaw Ko Win	Assistant Manager	Myanma Timber Enterprise
52	U Khun Min Htike	Assistant Manager	Myanma Timber Enterprise
53	U Kyaw Myo Lin	Assistant Manager	Myanma Timber Enterprise
54	U Kyaw Zay Ya	Assistant Manager	Myanma Timber Enterprise
55	U Soe Win (4)	Assistant Director	Dry Zone Greening Department, Sagaing
56	U Moe Zaw Aung	Assistant Director	Dry Zone Greening Department, Mandalay

<b>Sr. No</b>	<b>Name</b>	<b>Designation</b>	<b>Department</b>
57	U Min Zaw Oo	Staff Officer	Dry Zone Greening Department, Magway
58	U Zaw Win	Assistant Director	Environmental Conservation Department
59	U Khin Maung Te	Assistant Director	Environmental Conservation Department
60	U Khaing Tun	Staff Officer	Environmental Conservation Department
61	U Myo Htun	MD, Kaung Myanmar Aung Forestry Enterprise	MFPMF
62	U Myint Thein	CEO, Wood-based Furniture Association	MFPMF
63	U Nay Win	MD, Tin Win Tun Company	MFPMF
64	U Thein Naing Tun	Project Assistant	MFPMF
65	U Soe Win Hlaing	Chairman	Myanmar Forest Association
66	U Win Hlaing	Advisor	FFI
67	U Myint Soe Oo	Senior CF Officer	FFI
68	Daw Yu Za Na Wai	Program Assistant	MERN
69	U Zin Lin Tun	Forest Sector Project Officer	WWF-Myanmar
70	Dr. Maung Maung Than	Coordinator	RECOFTC
71	U Myo ZayYar Aung	CF	(Rakhine)
72	U De Khun Taung	CF	( Kachin)

#### INTERNATIONAL PARTICIPANTS

<b>Sr. No</b>	<b>Name</b>	<b>Designation</b>	<b>Department</b>
1	Ms. Rachel Butler	Independent Advisor	Global Timber Forum
2	MR. Thibault Ledecp	Forest Coordinator	WWF
3	Ms. Amalia Maling	Forest Project Manager	WWF
4	Ms. SHIZUKA GROVER	Quality Assurance Coordinator	FSC
5	Ms. BRISSONNENAU Delphine	Programme Coordinator, EU Delegation	EEAS-Yangon
6	Mr. Art Klassen	Regional Director	Tropical Forest Foundation-Indonesia
7	Mr. Richard Laity	South East Asia Projects & Development	PEFC





# MM Forestry Project

## *Key Result Areas*

- 1) accurate, transparent, and accessible information;
  - Global Forest monitoring system (GLOBIL, EoF)
  - Annual ground truthing
  - Interactive web-based information portal
- 2) appropriate governance structure
  - evaluate structures at national and regional level
  - InVEST - inform government on value of forest and sustainable financing mechanism (FES, Biodiversity offset)
- 3) effective production, trade policies, and safeguards
  - Global Forest and Trade Network/GFTN
  - FLEGT
  - Promotion of Forest Stewardship Council (FSC) certification of forest products
  - Market linkages (European Union, US, ASEAN)



## Annex. 4 Presentation by Ms. Shizuka Yasui, FSC Asia Pacific Regional Office

  
 Forest Stewardship Council®



**FSC Session**  
 Shizuka Yasui, Quality Assurance Coordinator  
 FSC Asia Pacific Regional Office

National Consultative Meeting on C&I for Forest Management  
 4 March 2016 | International Business Center, Yangon


 FORESTS FOR ALL FOREVER

Forest Stewardship Council®

**Today's my menu:**


မင်္ဂလာပါ

1. FSC Overview
2. FSC National Forest Steward Standard Development Process
3. Certification for Ecosystem Services
4. FSC Market Opportunity

 FORESTS FOR ALL FOREVER

Forest Stewardship Council®

**1.** | FSC Overview

 FORESTS FOR ALL FOREVER

Forest Stewardship Council®

**FSC is for all forests type, HOWEVER we can not give certification where**

Plantations that were converted from natural forest after Nov 1994, except where

- Evidence that company is not responsible for the conversion
- Conversion affected a very limited area and secure long term conservation benefits

P&C 6.10 | FSC-STD-01-001 V5

**Motion 12**

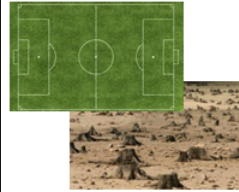
HOWEVER, this is currently under revision by decision of members

- a) how to address the "ownership loophole" in Criterion 6.10;
- b) what does an organization that has converted post 1994 need to do to be able to be certified;
- c) how to deal with subsistence conversion by communities".

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**Deforestation and Forest Degradation**



**Causes:**

- Large scale agriculture
- Industrial Plantations
- Illegal logging

**Impacts:**

- 100 species disappear each day
- 25% of world's mammals and 11% bird species at risk of extinction
- 20% of carbon emissions

**Deforestation rate:**

= 13 million hectares/year (2000-2010)

= 0.41 hectares/second

We are losing forest area the size of a football field every 1-2 seconds!

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Forest Stewardship Council®

**Oh, What should we do?**

1992 the United Nations Rio Earth Summit | Forest Principles adopted the **Non-legally Binding Authoritative Statement of Principles** for a Global Consensus on the Management, Conservation and Sustainable Development of All Types of Forests



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 FORESTS FOR ALL FOREVER

Forest Stewardship Council®

## Oh, Not enough, What should we do?

- Failure of governmental commitment at Earth Summit encouraged many non-governmental organizations to come together and gather support for the innovative idea of a non-governmental, independent and international forest certification scheme.
- Following intensive consultations in ten countries to build support for the idea of a worldwide certification system, the FSC Founding Assembly was held in Toronto, Canada in 1993.

**We should achieve sustainable forest management by our hands!**

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Forest Stewardship Council®

## So, here comes FSC!

- The first private forest certification schemes established in 1993 by 130 business representatives, social groups, and environmental organizations
- Membership organization with now more than 800 members
- Promotes environmentally responsible, socially beneficial and economically viable management of the world's forests
- Values on multi stakeholder democratic decision making process.

**SOCIAL**  
Local People & Society at Large

+

**ECOLOGICAL**  
Biodiversity & Ecological Process

+

**ECONOMIC**  
Responsible & Profitable

=

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Forest Stewardship Council®

## After the 20<sup>th</sup> anniversary, in 2015, FSC launched the new landmark!

### Taking Care of the World's Forests for Future Generations

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Forest Stewardship Council®

## FSC system covers From Forest to Retailer

FSC maintains its system credibility through an **unbroken chain** with two different certifications:

Forest Management (FM) certification

Labeling

Chain of Custody (COC) certification

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Forest Stewardship Council®

## FSC certification and accreditation

- FSC**- Setting standards for Responsible forest management and valuing ecosystem services. Support certificate holders by market development, communication, materials etc.
- Certification Bodies**- auditing adherence to FSC standards
- ASI (Accreditation Service International)**- Monitoring the audit performance independently to keep FSC's credibility.

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Forest Stewardship Council®

## FSC Audit helps "Kaizen" spiral up of operation

Certificate is valid for 5 years  
Annual audit at least every 12 months

Plan	Company develops management plan
Do	Company implements their management plan
Check	Auditors issue Corrective Action Requests
Act	Company address CARs

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**FSC on-product Labels**

- Only affixed by **Certificate Holders** on products to illustrate the FSC status of the forest-based content
- Allow end consumer to **distinguish products from FSC sources**

(1) FSC 100%  
All materials are from FSC-certified sources

(2) FSC Small/Community Producers Option  
All materials are from Small holders or Community producers

(3) FSC Recycled  
The product is made from recycled materials

(4) FSC MIX  
At least 70% of the materials contain a mix of FSC-certified sources and eligible recycled fibre, remaining are from FSC Controlled Wood

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**FSC Certificate Database**

<http://info.fsc.org/certificate.php>

- Verify the company's FSC certificate's validity
- Search FSC certified company/supplier
  - Specify Country, Product type, certificate type
  - Search by tree species

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**FSC Supply Chain Integrity**

The FSC™ OCP is the new Online Claims Platform.

- It is a **digital tool** that provides **timely** information about FSC™ products and the organizations that produce them.
- The OCP supports administration of FSC chain of custody as well as providing information to **validate FSC product claims**.
- The OCP is **free of charge** to certificate holders.
- As products move down the supply chain, their FSC certification can be assured.
- This system will **enhance the integrity** of the FSC brand.

<http://ocp-info.fsc.org>

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**FSC is for all forests type, HOWEVER we can not give certification where**

Plantations that were converted from natural forest after Nov 1994, except where

- Evidence that company is not responsible for the conversion
- Conversion affected a very limited area and secure long term conservation benefits

P&C 6.10 | FSC-STD-01-001 V5

**Motion 12**

HOWEVER, this is currently under revision by decision of members

- how to address the "ownership loophole" in Criterion 6.10;
- what does an organization that has converted post 1994 need to do to be able to be certified;
- how to deal with subsistence conversion by communities<sup>1</sup>.

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**FSC is for any kind of forests managers, HOWEVER we can not give certification or even associate if you are**

Directly or Indirectly involved in the following unacceptable activities

- Illegal logging or the trade in illegal wood or forest products
- Violation of traditional and human rights in forestry operations
- Destruction of high conservation values in forestry operations
- Significant conversion of forests to plantations or non-forest use
- Introduction of genetically modified organisms in forestry operations
- Violation of any of the ILO Core Conventions<sup>1</sup>

<sup>1</sup> As defined in the ILO Declaration on Fundamental Principles and Rights at Work.

Policy for the Association of Organizations with FSC | FSC-POL-01-004

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**Debate on Certification is expensive | Myth? or Real?**

Gains? or losses? Case by Case

- Consultation... Impact Assessments...
- Audit fee!
- Change management!
- Introduce new technology, PPEs...
- New plan New documents...
- Less soil erosion and water disaster!
- Price Premium!
- No more cost for pesticide!
- Reduced cost by avoided accidents!
- Better access to the market!
- reduced conflict with communities!

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### Survey on certificate cost

**WWF**

*On average, forestry companies can earn an extra **US\$1.80** for every cubic metre of FSC-certified roundwood or equivalent, over and above costs associated with certification.*

Aug 2015 | The Profitability and Sustainability in Responsible Forestry

**a place of mind UBC**

*The three most important market benefits are potentially market access, improved public image and price premiums....the **price premium** has proved difficult to realize, especially for commodity products such as pulp and structural lumber.*

Innes et al (2010) UBC Paper

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### FSC has feasible options to certificate holders And trying to find better solutions

#### Down the cost

- Group Certification
- Streamlined procedures and system for smallholders (SLIMF- Small and Low Intensity Managed Forest)


#### Up the gains

- Minimum living wage criteria (for workers)
- Fairtrade collaboration (from market)
- Market access support

AND the audit fee will be reduced by competition amongst CBs and raise efficiency by having more number of certificate in the country

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### GROUP CERTIFICATION

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### Group Certification

An option for several forest enterprises to be certified under a single FSC certificate. One certificate is shared by all group members.

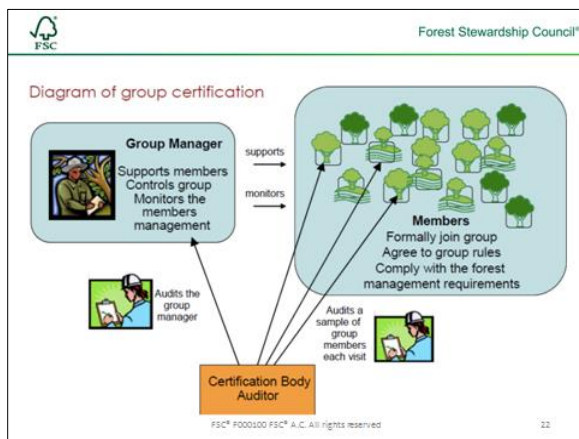
#### Advantages of group certification:

- Cost reduction per member (not each member is audited every time, only a sample)
- Cost reduction for planning, management and implementation
- Time saving for each member

#### Possible additional Benefits:

- Increased opportunities to access new markets by members pooling timber and increasing volumes
- Increased opportunities for training for group members
- Landscape level benefits: e.g. linking fragmented habitats, watershed management, fire protection.

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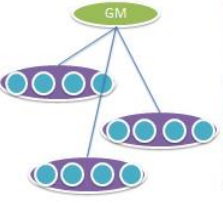

### Trading firm's Social Forestry project- PT Kotai Timber Indonesia's Alas Mandiri



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FSC Forest Stewardship Council®

### Alas Mandiri Model

Group Manager- PT. Kotai Timber Indonesia (Big Plywood manufacturer)  
Group of villages and sub villages' small land owners associations established newly for the certification.  
Using the existing religious group unit for organize groups at village level.

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### The largest group certification in JAPAN: Tenryu Forest and Forest Products Industry Promotion Council



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### Tenryu Model




Group Manager- City Government Office (Hamamatsu),  
Group of Smallholders voluntary group, forest owners cooperatives, private companies and state forestry agency, in the same traditional forestry district.  
Local industry also have CoC certifications (Produce Locally, consume Locally)

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-  
Asia Pacific Regional Office  
-  
1 Tramway Path, Central HONG KONG  
[asiapacific@fsc.org](mailto:asiapacific@fsc.org)  
[ic.fsc.org](http://ic.fsc.org)



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## Annex. 5 Presentation by Ms. Shizuka Yasui, FSC Asia Pacific Regional Office

FSC Forest Stewardship Council®

# 2. FSC National Forest Steward Standard Development Process

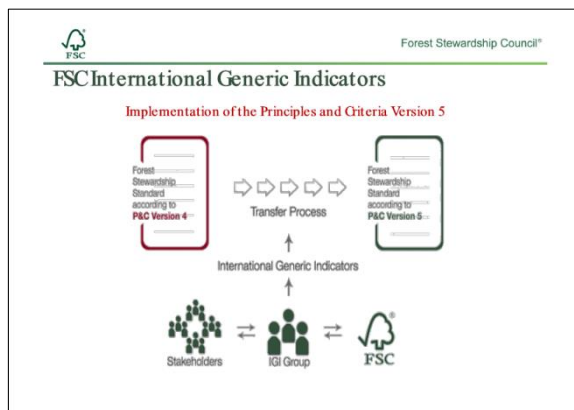
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## 10 FSC Principles (V5)

 Compliance with Laws	 Environmental Values and Impacts
 Workers' Rights and Employment Conditions	 Management Planning
 Indigenous Peoples' rights	 Monitor and Assessment
 Community Relations	 High Conservation Value
 Benefits from the Forest	 Implementation of Management Activities

FSC®/PRO-000-100 - FSC® International All rights reserved



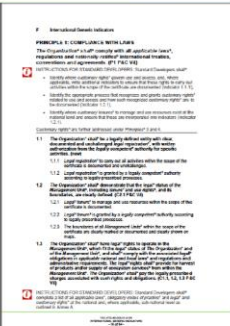
FSC Forest Stewardship Council®

## What is the purpose of the IGIs?

To have a common starting point for the development/ transfer of National Standard to the P&C V5.

- ❖ This will ensure global consistency and credibility of the FSC system...
- ❖ Clear and detail instructions on P&C for standard developer

Can not use as it is for FM assessment/audit.  
National Forest Steward Standard or CB Interim National Standard



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## important aspects of the IGIs for Standard Developers...

The IGIs contain 8 Annexes that have to be considered when developing National Standard and/or relating documents:

- ✓ P1 Annex A (list of minimum laws etc) appears as **Annex to National Standard**.
- ✓ P2 Annex B (training for workers), P5 Annex C (ES), P7 Annex E (management planning) and P8 Annex G (monitoring) **have to be included** in 'National Standard(s)'.
- ✓ P7 Annex F (planning/ monitoring) may be considered to **inform periodicity** for revision of planning and monitoring documents.
- ✓ P6 Annex D (conservation) and P9 Annex H (HCV) **have to be considered** when developing national guidance for Standard Users.

Need Consistency with TLAS


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## FSC-PRO-60-006 (V1-0) Development and Transfer procedure:

Adopting, Adapting, Dropping the IGIs or suggesting new national indicators

Contains requirements how to apply the IGIs as a **starting point** for the transfer and development of NS.

- ✓ Describes the methods **Adopting, Adapting, Dropping and Adding** new indicator(s).
- ✓ Provides explanations when to use which method.



```
graph TD
    FSC[Forest Stewardship Council®] --- Line1[ ]
    Line1 --- TE[Technical Experts]
    Line1 --- CF[Consultative Forum]
    TE --- Line2[ ]
    Line2 --- CF
    Line2 --- FSC2[Forest Stewardship Council®]
```

**Forest Stewardship Council®**

## Technical Experts/Consultative Forum:

### Technical Experts

- Technical experts shall have voice in the SDG
- Discussions but no formal role in its decision making processes.
- Expert teams may also be needed to explore specific aspects of the standards interpretation, such as social issues or HCVE.

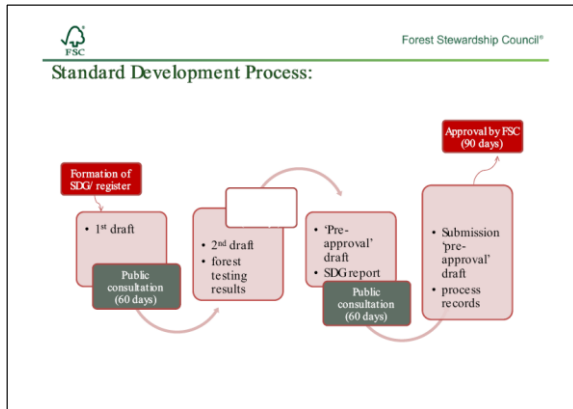
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### Consultative Forum

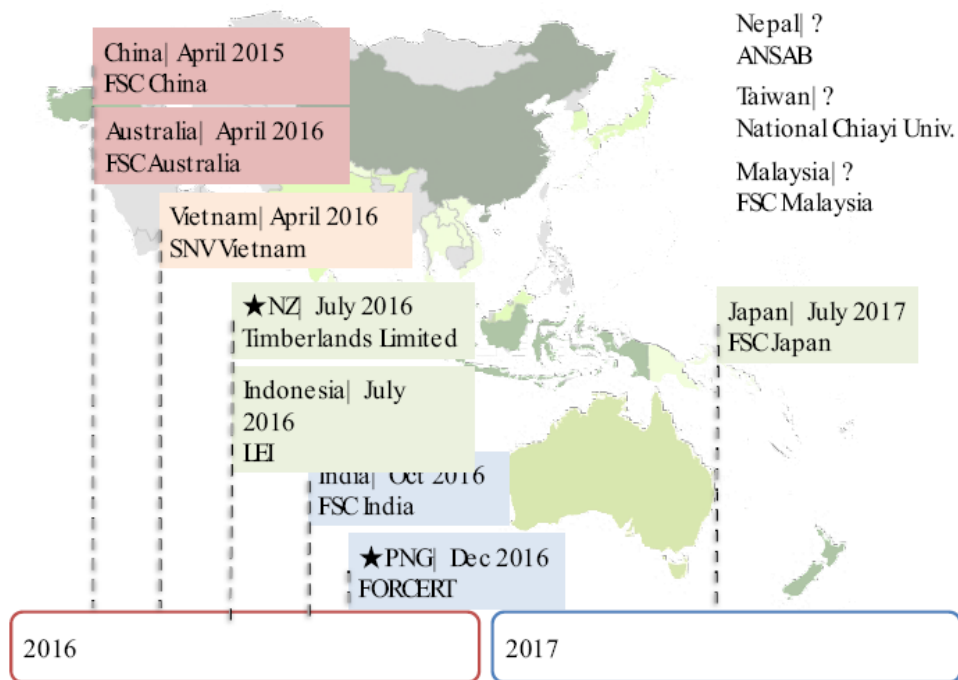
- The Forum is consulted and kept informed at each stage of standard(s) development
- Membership is open to any stakeholder on request and number of members is not limited.
- includes individuals and/or organizations reflecting the full range of stakeholders affected by the standard(s) under development.

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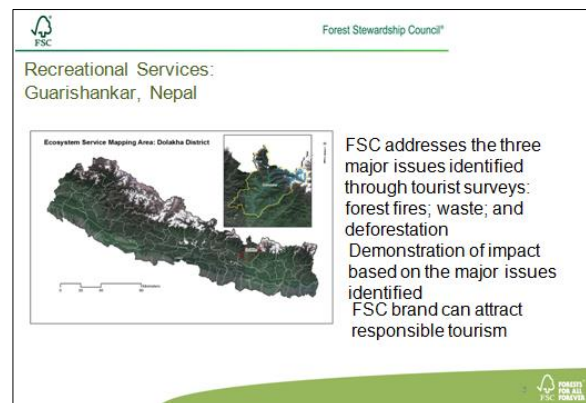
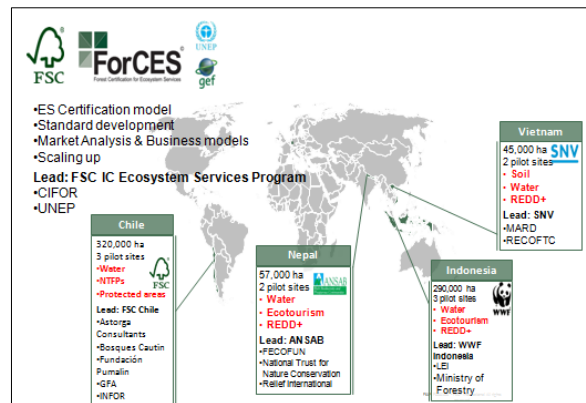
12



## FSC registered SDG in Asia Pacific & submission schedule




## Annex. 6 Presentation by Ms. Shizuka Yasui, FSC Asia Pacific Regional Office



FSC Forest Stewardship Council®

Water services: Lombok, Indonesia




Type of Tenure	Community forestry
Area	3000 hectares
Ecosystem services	Water Services
Status of ES	Key area for water supply. Existing PES implemented by the local authority
Economy	No Timber NTFP
Target buyer	Water Treatment Facility and Municipality

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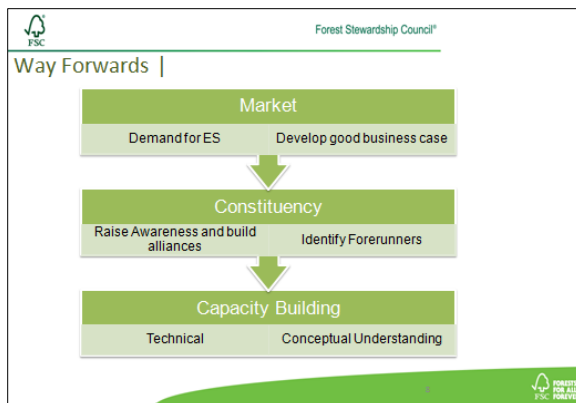
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Watershed and biodiversity: Huong Son



Type of Tenure	State Owned Forest Company
Area	19,700 hectares
Ecosystem services	Watershed/Biodiversity/HCV
Status of ES	Pristine HCV area Biodiversity hotspot
Economy	Reliance on State funds Ban on timber until 2020 NTFP potential (Rattan and bamboo)
Target Buyers	CSR for local and international companies; zero deforestation commitments

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Forest Stewardship Council®

Asia Pacific Regional Office

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[ic.fsc.org](http://ic.fsc.org)

CONTACT on ForCES  
Mauro Cirmina  
<m.cirmina@fsc.org>



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## Annex. 7 Presentation by Ms. Shizuka Yasui, FSC Asia Pacific Regional Office

FSC Forest Stewardship Council®

**4.** FSC Market Opportunity

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No success of legally binding commitments on forest management....



UNITED NATIONS CONFERENCE ON ENVIRONMENT AND DEVELOPMENT  
Rio de Janeiro 3–14 June 1992

Our forests still face many problems....

Carbon emission  
Illegal Logging  
Wildlife poaching  
Conflicts  
Deforestation  
Forest fires  
Haze  
Corruption  
Conversion

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**Seizures of illegal timber for Hong Kong**



**In April 2014,** Shenzhen authorities picked up 660kg of rosewood from Myanmar, smuggled via Hong Kong.

**In May 2014,** 640t of rosewood bound for Hong Kong was seized in Kenya.

**In Nov 2014,** Hong Kong customs seized 92t of endangered rosewood valued HK\$3 million found in four cargo containers which was from Guatemala via Mexico, mislabeled as plastic waste.

**In Oct 2015,** Hong Kong customs seized 1000t of Malagasy rosewood incoming cargo from Tanzania. Custom recognized it as CITES listed endanger species.

Sources: info.gov.hk and South China Morning Post/Reuters All rights reserved

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**Anti-illegal Timber Legislation Government efforts**

- **USA, EU (and Swiss) and Australia** | legislation enacted
- **Japan and Korea** | designing legality regulation framework
- **China** | developing a EU compatible Anti-Illegal Timber requirements
- **Indonesia** | VPA negotiations agreed in May 2011, FLEGT licensed timber will be shipped in 2016 (Summer?).
- **Malaysia, Vietnam, Laos, Thai** also in negotiations with EU on VPA

**FSC™ offers Legality + Solutions for businesses:**  
Legality+ CSR/CSV + **Market Opportunities**

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**Because there is also Increasing needs...**

I want to buy more eco-friendly.




It is our mission to provide green products!

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**FSC has Win-Win solutions**

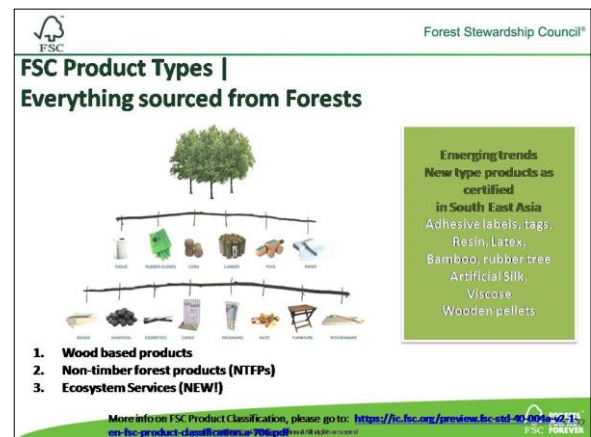
- Benefits for business and the forest:
  - Global market demand
  - Credibility
  - Real impact in the forest
  - Valuing ecosystem services
  - Support from large and varied membership
  - Global FSC Network (50 country offices)
- Bringing real value for forests as natural capital

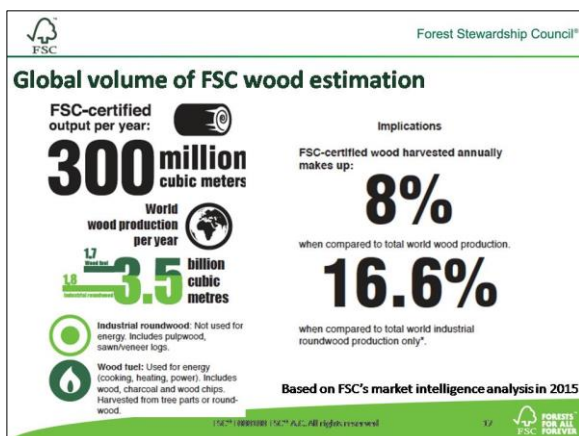
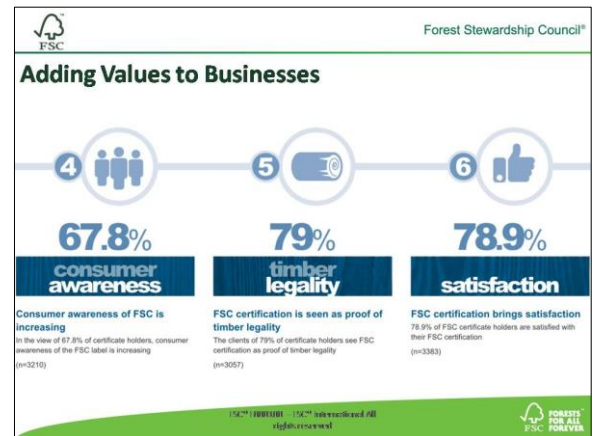
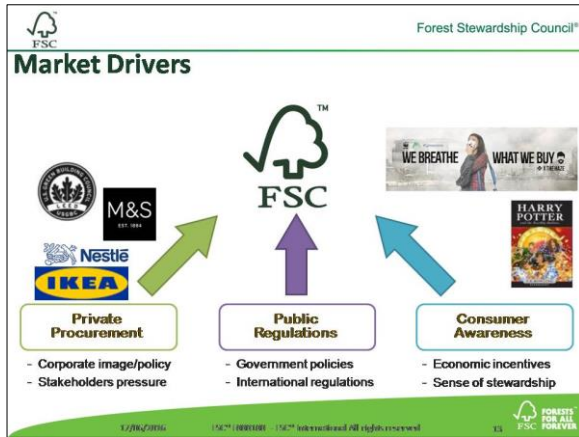


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## Procurement Commitment

**Kingfisher**  
Kingfisher supports an effort for more FSC certified board material on the market. Our 2020 target is to achieve 100% responsibly sourced timber and paper in all our operations, within which FSC is our preferred choice as the most stringent globally accepted certification scheme.

**IKEA**  
IKEA's long-term goal is to source all wood from forests certified as responsibly managed. The FSC is the only organisation today that provides a standard to help IKEA meet this goal

**hp**  
"We have also established a goal that 40 percent or more of the HP branded paper sold will be Forest Stewardship Council (FSC) certified."

**P&G**  
P&G set the goal of "40% of the virgin wood fiber used in our tissue/towel products be Forest Stewardship Council certified by 2015."  
 - As of 2014, P&G reported that 54% of the virgin wood fiber was FSC certified, exceeding their goal a year ahead of schedule.  
 - P&G purchased > 3.2 million metric tons of FSC certified fiber in 2014.

19 FSC FORESTS FOR ALL FOREVER

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- Redefining Luxury In 2013, The Peninsula Hong Kong... also looked into using FSC-certified timber for all non-finished surfaces..."
- The selected paper, which is FSC-certified and manufactured using wind power, would be used for all printed matters and collaterals bearing the Peninsula brand. All hotel operations have started to implement the change ... by the summer of 2014.
- "In 2013, 54% of all our paper products were FSC-certified, representing a 20 percentage point increase from the previous year. It is our goal to have all paper product sourced from certified sustainable and responsible sources by 2017."
- The Peninsula Merchandising, ... managed to switch more than 95% of its luxurious paper packaging to FSC-certified sources.
- The Peninsula Beijing and Chicago also set wonderful examples across the Group with nearly 90% of their paper needs now met by FSC-certified stock.
- In 2013, in an exclusive partnership with Oscar de la Renta, a collection of brand new bathroom amenities was conceived... and all paper packaging was FSC-certified.

20 FSC FORESTS FOR ALL FOREVER

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**CATHAY PACIFIC**  
國泰航空公司

All marketing collateral, headquarter office paper and inflight safety cards are on FSC paper.

- Ground-based
  - ✓ CPCS customer newsletter "Food for Thought" (2010)
  - ✓ All paper marketing collaterals (2010)
  - ✓ Calendars and diaries (2010)
  - ✓ Sales marketing leaflets (2010)
  - ✓ Copying and printing paper at CX, KA, CX Holidays and HAS offices (2010-2011)
  - ✓ Hand towels in CX City toilets (2012)
  - ✓ Boarding pass (2014)
- Inflight
  - ✓ Meal tray cards (2010)
  - ✓ Safety cards on all aircraft (2011)
  - ✓ Magazines

21 FSC FORESTS FOR ALL FOREVER

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**HSBC**

**Internal Procurement**

- HSBC use FSC certified paper in corporate publications, marketing materials, MPF annual member statements
- Specify suppliers to use FSC paper products wherever possible

**Sustainable Finance**

- HSBC requires Forest Sector clients to be independently certified
- Use FSC as benchmark for legality and sustainability

22 FSC FORESTS FOR ALL FOREVER

FSC Forest Stewardship Council®

## Green Building – LEED chooses FSC

**Starbucks Fukuoka Ohori Park store and Kyoto Research Park store in Japan FSC wood used for LEED certification in Q2 2010**

**Starbucks Shanghai World Exposition Site, Shanghai, China LEED® Gold Certified with Forest Stewardship Council Wood Floors**

23 FSC FORESTS FOR ALL FOREVER

FSC Forest Stewardship Council®

## Green Building

**SWIRE PROPERTIES**  
Opus Hong Kong by architect Frank Gehry

- FSC timber includes all the floorings and wall finishes in the fitted out units

100% FSC-certified glulam roof

**MARKS & SPENCER**

**M&S**

24 FSC FORESTS FOR ALL FOREVER



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## Olympics chooses FSC

- London Olympics 2012
- Olympic Park- FSC Project Certified
- 98% of timber in Athletes Village is FSC
- Rio Olympics 2016 Committee also signed MoU to use only FSC wood and paper
- Tokyo 2020 has not specified procurement policy yet, but there is active lobbying from municipalities and media and the lead architect has many FSC projects in his portfolio.



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## FSC used for Furnitures

**IKEA China In-store Promotion**

**TREE HK ethical furniture brand sells FSC labelled products**





Photo Credit: FSC® MEMBER, TREE Limited

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## FSC in Fashion & Beauty Sector




100% of paper and packaging for fashion's brands have to be sourced from certified sustainably managed forests with a minimum of 50% recycled content.

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## And more and more products with FSC label



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FSC Forest Stewardship Council®

## Advantage to engage with FSC

Connecting FSC supply chains	Exchange on market needs	Added brand value
Communicating commitment	Enabling CSR policy	Access to FSC's worldwide network
Enhancing certification know-how	FSC's market intelligence	Overcoming bottlenecks

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## FSC in Asia Pacific



Regional Network Meeting 2015

- FSC Asia Pacific Regional Office in Hong Kong since 2011
- The highest growth rate in FSC certificates globally.
- National Offices – Australia, New Zealand, China, Japan, India, Indonesia and Malaysia
- National Standard Development is on process in 11 countries, NOs + Vietnam, Nepal, PNG and Taiwan
- Market development in Philippines, Taiwan, South Korea, Vietnam, Thailand, Singapore, Middle East ....

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### A TRULY GLOBAL ORGANISATION



**48 National Offices worldwide and 5 Regional Offices**

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FSC Forest Stewardship Council®

### Global Brand Positioning



- FSC protects and preserves wildlife habitat including endangered species.
- FSC protects water sources such as streams, rivers and lakes from erosion and chemical run-off.
- FSC products are sourced without destroying our forests.
- The FSC is committed to respecting the forests we depend on and the people who work and live in them

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### Toolkit samples



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### Actual Use by HK Paper distributor

Fuji Xerox



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### Actual Use by Spanish Retailer

El Corte Inglés

**¿SADES QUE UN PAPEL PUEDE CAMBIAR EL MUNDO?**



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### SCLO (Small and Community Label Option)

#### Made with Heart Campaign



<https://madewithheart.fsc.org/>


<https://scllo.fsc.org/>

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## FSC Marketplace



FSC Marketplace is FSC International's global business-to-business portal businesses can connect with FSC certified suppliers and producers.

The website is **FREE** to use  
<http://marketplace.fsc.org>



FSC FOR ALL FORESTS

FSC Forest Stewardship Council®

## What Makes FSC Unique

Democratic governance by 800 members	Credibility ensured by ISEAL
Preferred by top ranked businesses	Consumer awareness and biggest CoC markets
Strong support from Influential NGOs	Transparency
Global presence and consistency	Balance of Interest
FPIC <sup>1</sup> , PIPIC <sup>2</sup> , gender initiatives	Policy for Association



FSC is a global leader in forest certification. FSC's Forest Stewardship Principles and Criteria (FSC-COC) are the foundation of the FSC system. FSC is a member of the ISEAL Alliance.

FSC Forest Stewardship Council®

# Thank You!

## Forest Stewardship Council™

### FSC™ Asia Pacific

Shizuka Yasui  
 FSC Quality Assurance,  
 Asia Pacific  
 Tel: (852) 2161 9684  
 Email: [s.yasui@fsc.org](mailto:s.yasui@fsc.org)

FSC Website: <https://fsc.fsc.org>  
 FSC Marketplace: <http://marketplace.fsc.org>  
 FSC Trademark Use: <https://fsc.fsc.org/trademark-support-42.htm>



**Disposal**  
 CARTON - CARD  
 Widely recycled

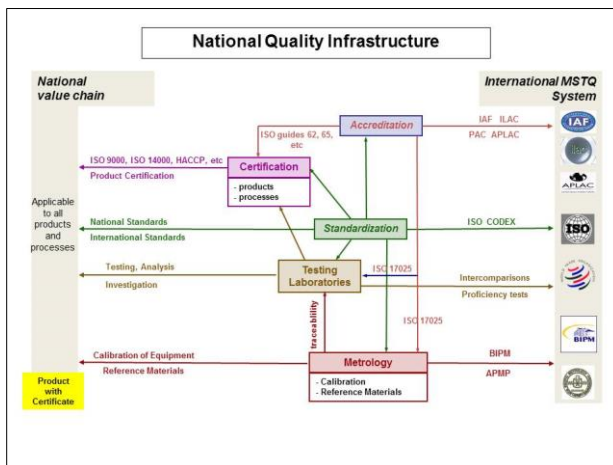
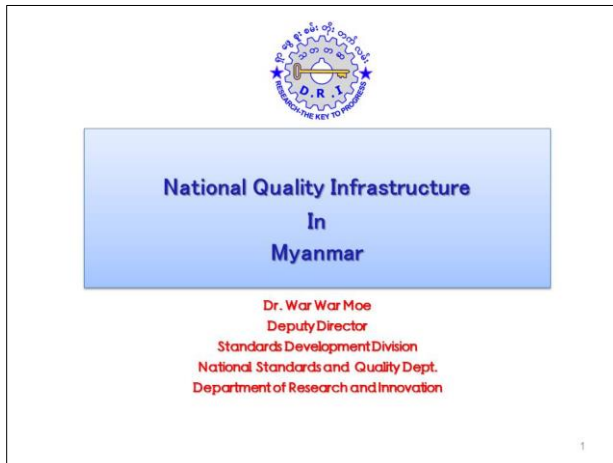
The trade mark of the Forest Stewardship Council® (FSC)® guarantees that the certified wood used to make this pack comes from forests which are well managed according to strict environmental, social and economic standards.

**RECYCLED**  
 Packaging made from recycled material  
 FSC® C011534

FSC® International All rights reserved



## Annex. 8 Presentation by Dr. War war Moe, Deputy Director, Standards Development Division



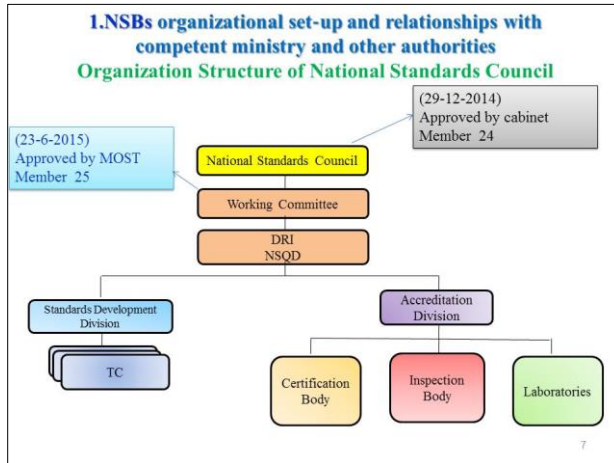
### National Quality Policy

**Vision**

- To access international markets, assist regional integration and preserve domestic markets through an increase in the efficiency of industry, an improvement of Myanmar's competitiveness, an increase in the volume of trade and investment, whilst ensuring the health and safety of consumers in the domestic, regional and international markets through the production, trade and marketing of quality goods and services.

### Standardization Development

- To develop Myanmar Standards, 19 Technical Sub Committees were set up in advanced on (4.7.2013)
- Occupational Safety and Health was found up as new sub committee on 10.9.2015
- 77 Draft Myanmar Standards were approved committee stage and preparing for enquiry stage to get public comments via media and website.
- ASTM- MoU



**3.List of Myanmar Standards was drafted by Technical Sub Committees**

No.	TC Name	Number
1.	TC1-Technical Committee for Electrical and Electronic	15
2.	TC2-Technical Committee for Food stuff	2
3.	TC3-Technical Committee for Auto-mobile Products	5
4.	TC4-Technical Committee for Management System	1
5.	TC5-Technical Committee for Cosmetics products	1
6.	TC6-Technical Committee for Pharmaceutical	1
7.	TC7-Technical Committee for Agro-based	2
8.	TC8-Technical Committee for Medical devices	1
9.	TC9-Technical Committee for Building and Construction	-
10.	TC10-Technical Committee for Traditional Medicine	7
11.	TC11-Technical Committee for Rubber-based product	21
12.	TC12-Technical Committee for Communication and Information Technology	1
13.	TC13-Technical Committee for Chemical	1
14.	TC14-Technical Committee for Mechanical	4
15.	TC15-Technical Committee for Energy	2
16.	TC16-Technical Committee for Wood Based Product	6
17.	TC17-Technical Committee for Livestock and Fisheries	5
18.	TC18-Technical Committee for Environmental Protection	-
19.	TC19-Technical Committee for Boiler	2
20.	TC 20-Technical Committee for Occupational Safety and Health	-
Total		77

## The Development Process: Standards(ISO)

0. Preliminary stage
1. Proposal stage
2. Preparatory stage
3. Committee stage
4. Enquiry stage
5. Approval stage
6. Publication stage

A closer look at the different instruments

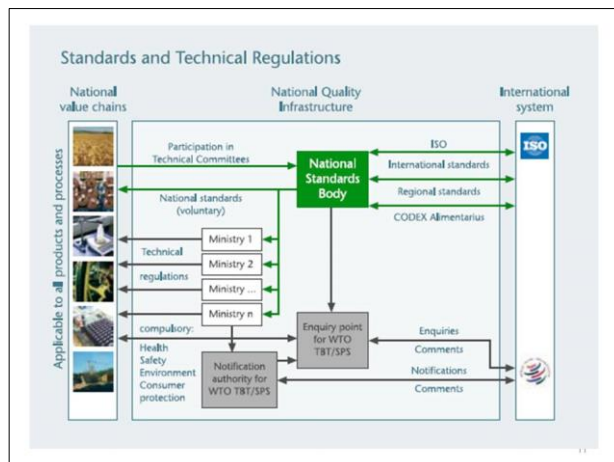
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## 7.How we promote the implementation of standards

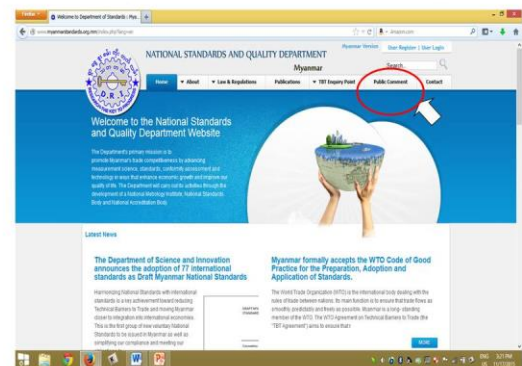
- DRI has been participating in Institutional Strengthening (INS) project Trilateral Partnership Arrangement between DRI, Spring Singapore and ISO.
- DRI has been implementing the Signing MOU between ASTM and NSB
- DRI has planned to discuss with the Taiwan standards body to sign MOU.
- Japan volunteer from JICA, Myanmar for the implementation of ISO 9001.

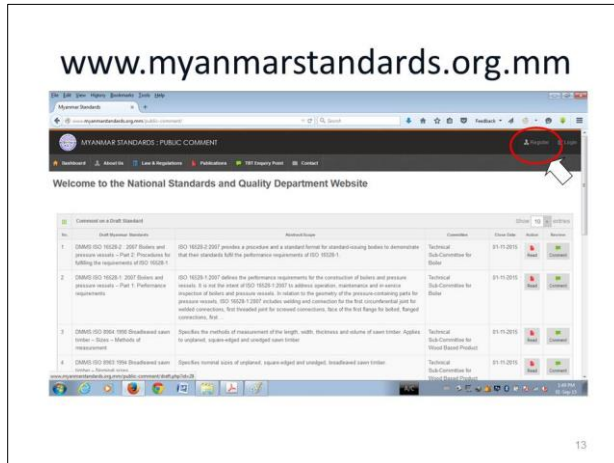
Stage	Normal Track	Fast Track
Proposal Stage	Proposal	Proposal
Preparatory Stage	Working Draft	Skip two stages
Committee Stage	Committee Draft	
Enquiry Stage	Draft National Standard	Voting DNS
Approval Stage	Final National Standard	Approval FDNS
Publication Stage	National Standard	Publication NS

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[www.myanmarstandards.org.mm](http://www.myanmarstandards.org.mm)






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### Set up WTO/TBT Enquiry Point

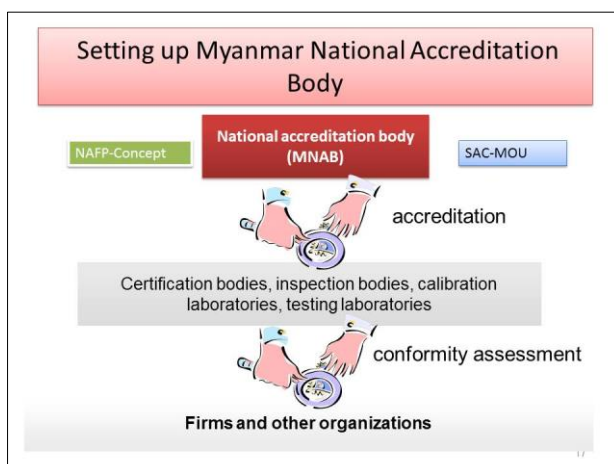
Standards Development Division takes responsibility WTO/TBT Enquiry Point Office  
Technical Assistance for role and responsibility of Focal point and Contact Points by USAID




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### Training Program for MNAB

- As NAPP concept, Singapore Accreditation Council (SAC) has been selected as Partner Accreditation Body
- Set up organizational structure and QMS for MNAB
- Try to organize technical assessor pool
- Laboratory Network
- Training Program for ISO 17011, 17025 & 17065
- Donate IT facilities and Copier from PTB
- PTB (Germany) and UNIDO will provide on job training for staffs from MNAB and technical assessor in 2016.





**PTB**  
Physikalisch-Technische Bundesanstalt  
Bundesforschung und -versuchsanstalt

### Development of Laboratory Network

- To provide strategic advice and share expertise to strengthen the performance of laboratories for food and agriculture.
- DRI requested those laboratories to provide laboratory network frame.

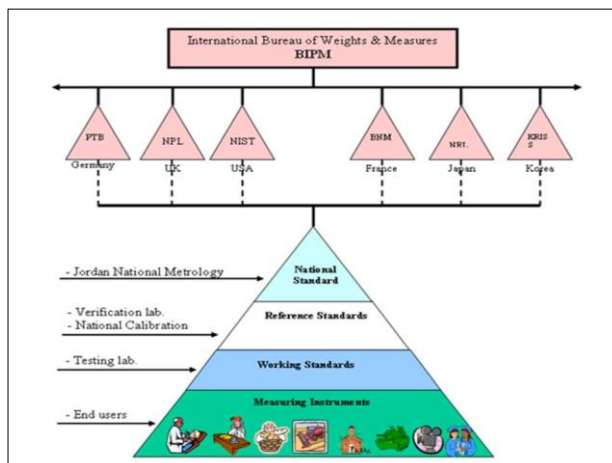
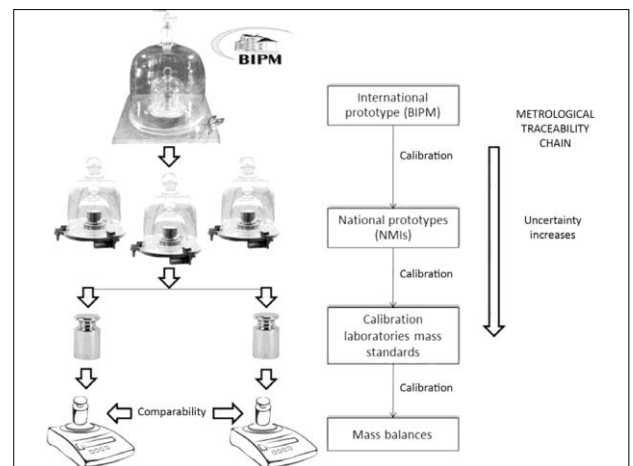
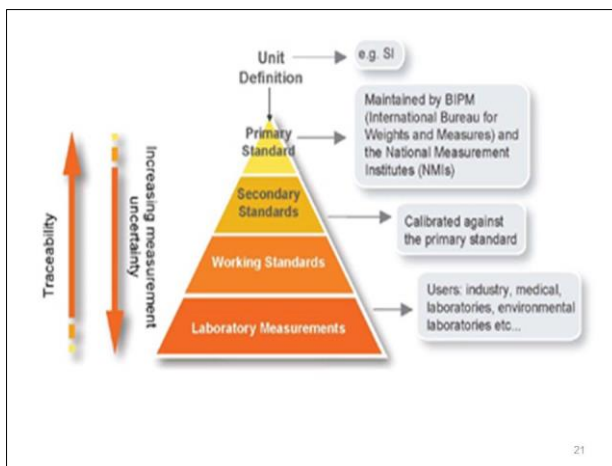


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### Proficiency Testing (PT) Program

By the assistance of PTB (Germany), Accreditation division has so far organized the following PT programs:

- 1st PT program on "Measurement of 7 heavy metals (As, Cd, Cr, Cu, Fe, Mn, Ni, Pb, Zn) and pH values in water" is completed on December 2013.
- 2nd PT program on "Measurement of 3 heavy metals (Fe, Cu and Cd) and pH values in drinking water" is completed on November 2014.
- 3rd PT program on "Measurement of pesticides in black tea for endosulfan sulfate and bifenthrin" and 4th PT program on "Measurement of heavy metals (Cd, Co, Mn) in drinking water" will be completed on 11 December 2015.
- 5th PT program on "Measurement of Cd, Ni and Zn in Waste Water" will be started on 11 December 2015.
- 6th PT program on "Measurement of As, Cd, Moisture Content and Ash in Rice Flour" will be started on 11 December 2015.

### Setting up National Metrology laboratory

- Renovate and provide controlled conditions
- Send reference standards to calibrate NIMT or accredited laboratory
- Measurement uncertainty, Training and preparing Calibration Procedure
- Establish Calibration Services
- Implement Quality Management System
- To be accredited Laboratory for Mass, Temperature and Electrical.



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## Advanced Training in NMIT



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## Activities for upgrading existing laboratory



## Metrology Strategy

1. Establish national measurement standards
2. Establish traceable calibration services
3. Establish verification services for Legal Metrology
4. Support the establishment of accredited second-tier calibration services
5. Engage with stakeholders
6. Conduct research on measurement issues



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## National Metrology Institute (Myanmar)



THANK YOU  
FOR  
KIND ATTENTION

## Annex. 9 Presentation by U Ohn Lwin, Professor, University of Forestry, Yezin

**Draft of C&I (riteria and Indicators) for Forest Management Certification (Natural Forest and Plantation)**

သစ်တော (သဘာဝတော၊ စိုက်ခင်း) စီမံအုပ်ချုပ်မှုကို ထောက်ခံချက် ပေးနိုင်ရန်အတွက် စံနှင့် အညွှန်းများ (မူကြမ်း)

Ohn Lwin (Professor) 09- 49255 237, <ohnpyone@gmail.com>  
University of Forestry, Yezin

**Outline**

- SFM and C&I
- Major Instruments of SFM in Myanmar
- Actions supporting SFM
- Chronology of C&I
- Experience on “C&I for SFM”
- Current situation in of forestry sector
- Changes made progress
- Revising and drafting C&I for NF and PF
- Setting FSC’s Principles, Criteria and Indicators for Myanmar
- Challenges vs. Conclusion

**SFM and C&I : Sustainable Forest Management and Criteria and Indicators**

- Sustainable Forest Management (SFM) as a global concern at the 1992 United Nations Conference on Environment and Development, **UNCED (the Earth Summit)**.
- SFM consists of formulating national forest programmes, forest assessment criteria and indicators (C&I),
- Initiatives to promote SFM at the **international, national and regional levels**.

Thematic area of SFM set in Rio

1. Extent of forest resources
2. Biological diversity
3. Forest health and vitality
4. Protective functions of forests
5. Productive functions of forests
6. Socio-economic functions
7. Legal policy and institutional framework

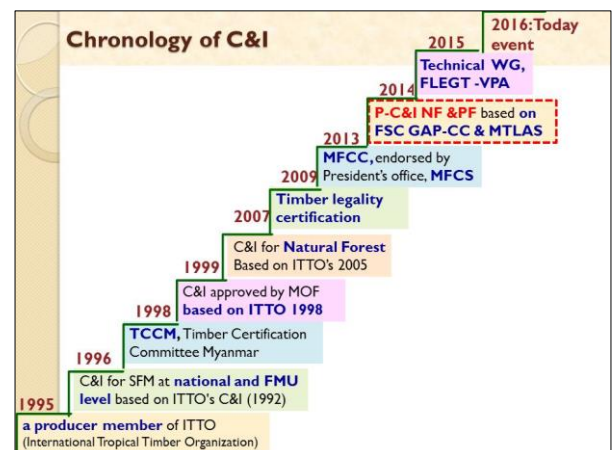
**Major Instruments of SFM in Myanmar**

- Myanmar Agenda 21 (1997) together with environmental policy (1994),
- Forest law (1992); Forest rules (1995); Protection of wildlife and wild plants and conservation of natural areas law (1994);
- Forest Policy (1995)
- 30 years Forest Master Plan (2001-2031)
- Community forestry instructions (1995, 2016);
- Departmental Instructions , Standard Operation Procedures ,
- National forestry action plan (1995);
- **Criteria and indicators for sustainable forest management (1999),(2007);**
- Format and guidelines for district forest management plans (1996);
- National Code of Forest Harvesting Practices (NCOHP) (2000) revised in 2003);
- Reduced Impact Logging (RIL) (2008).
- Environmental Conservation law (2012); Rules (2013),
- Standard Operation Procedures (2015)
- National Land Use Policy (2016)

**Actions supporting SFM**

- **Forest Management Plans (FMP)**
- **Development of Model Forests,**
- **National Code of Harvesting Practices (NCOHP)**
- **Measures taken to illegal Logging Control**
- **Private Investment in Forestry sector (2005),**
- **(C&I) for Sustainable Forest Management (SFM)**
- **Myanmar Timber Legal Assurance System (MTLAS)**
- **Pan ASEAN Timber Certification Initiative (PATCI)**
- **Collective Actions to contribute SFM**

- Introduced log export ban starting from 1<sup>st</sup> April, 2014,
- Processing Voluntary Partnership Agreement (VPA) to get license of Forest Law Enforcement, Governance and Trade (FLEGT) under EUTR,
- Developing ISO standards in wood Based Industry.
- Planning social affairs of workers in forest certification and wood based Industries, Building Wood Industry (BWI),





### Experience on C&I for SFM

	Criteria	Indicators
1	Enabling condition for Sustainable Forest Management	10
2	Extent and condition of Forest	6
3	Healthy biological functioning of forest ecosystems	2
4	Forest Production	12
5	Biological diversity	4
6	Soil and water protection	5
7	Economic, social and cultural aspects	12
	{(7-C) & (51-I) 2007}	51

Workshop and meeting on C&I in Myanmar

❖ January 2007, October 2009, February 2010, March 2010

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### Experience on C&I for SFM(cont;)

#### Issues on implementing C&I in National and FMU levels in Myanmar

- Inflexibility of standards to be applicable in **diverse local conditions**.
- Lack of recognition of broader local **land use issues**.
- Conflicts and/or **incompatibility** between legal settings and certification standards.
- Legitimizing forest harvesting which may conflict with **traditional rights**.
- **Uncertain benefits** for primary producers.
- **Cost burden** heaviest for developing countries and small-scale forest owners, (Sharing of costs and benefits is uneven)
- **Unsure demand** for certified products.
- **Wide gap** between reality of management and certification standards, and
- **Weak** ability in enforcing policies, laws and regulations.

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### Experience on C&I for SFM(cont;)

#### Suggestions and recommendations to overcome issues

- To strengthen **human resource**, capacity building, awareness, technology and budget allotment.
- To support **FMU's requirement** for implementing C&I.
- **To review** C&I through the multi-stakeholder consultative process for every 5 year.
- To conduct **biodiversity** inventory, to list CITE appendix, endanger species.
- To estimate **carbon storage**.
- To build **database** system for up to date information.
- To set up **target** for forest certification in 2015.
- To translate C&I with both **languages**.
- To estimate **valuation of environmental service**.
- To assess the impact of applying **NCFHP**.
- To draw up action plan for each **FMU to undertake actions** and activities which were identified in assessment.

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### Current situation in forestry sector

- **Natural forest (PFE 30.73% 197,899.36 km<sup>2</sup> Forest Policy's Target 40%, (30+10)**
- **Plantation established by FD**, (since 1981 with the amount of 2,175,911 acres in which some of those have been reaching marketable size)
- **Plantation by private Companies** (since 2005. Up till now, teak 116,429, and hardwood 67,094 acres )
- **Community owned Forest** ( 277,137 acres managed by 1990 user groups consisting 53,811 members)
- **Small holders? Group certification possible?**
- **NTFPs (Non Timber Forest Products)**

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### Changes made progress?

- ✓ Political (International, regional)
- ✓ Parliament: legislative body
- ✓ Clean government, governance,
- ✓ Social, Economic, environment,
- ✓ Administrative Reform
- ✓ Democratization, Decentralization, Federation
- ✓ Media, Transparency, public commenting
- ✓ All inclusive, People centered
- ✓ Role of development partners, CSO (Civil Society Organization)
- ✓ Government system

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### Revising and drafting C&I for NF and PF

- So far, Myanmar does not have any internationally recognized certification standard such as **Forest Stewardship Council (FSC)** or **Programme for Endorsement of Forest Certification (PEFC)**, like other neighboring countries..
- TOR of Consultancy work on revising and drafting the standards for NF and PF,
- Financial assisted by **GAP-CC** (ASEAN-German Programme on Response to Climate Change)
- Desk review all standards, asking to experienced persons, (**ITTO, PEFC, FSC, others..**)

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Setting FSC's Principles, Criteria and Indicators for Myanmar			
	FSC's Principles	C&I (Natural forest)	C&I Plantation
1	Compliance with Laws and Principle	6+12	6+12
2	Tenure and Use Rights and Responsibilities	3+5	3+5
3	Indigenous People's Rights	4+9	4+8
4	Community Relations and Worker's Rights	5+14	5+14
5	Benefits from the Forest	6+10	6+10
6	Environmental Impact	10+25	10+24
7	Management Plan	4+6	4+6
8	Monitoring and Assessment	5+6	5+6
9	Maintenance of High Conservation Value Forest	4+7	4+7
10	Plantation Development	-	8+14
	Total C&I (Natural Forest and Plantation)	47+94	55+106

### Challenges / Way forward

- Draft standard : be implementable and to meet international requirements,
- How to update existing tools (policy, legal, regulatory framework, etc;)
- Piloting for field testing the standard,
- Update as a live standard at initial stage of implementation,
- Awareness and capacity building for MSG, CSOs,
- Standard: Scheme (MFCS): Implementers,
- Group certification of forest products from small holder and community (user) groups,
- Standard development process and group!

**Thank you for your kind attentions and welcome comments and suggestions to improve C&I of SFM for MFCC**