



Plantations in the FSC System

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FSC

an independent,
non-governmental
not for profit
multi-stakeholder
organization

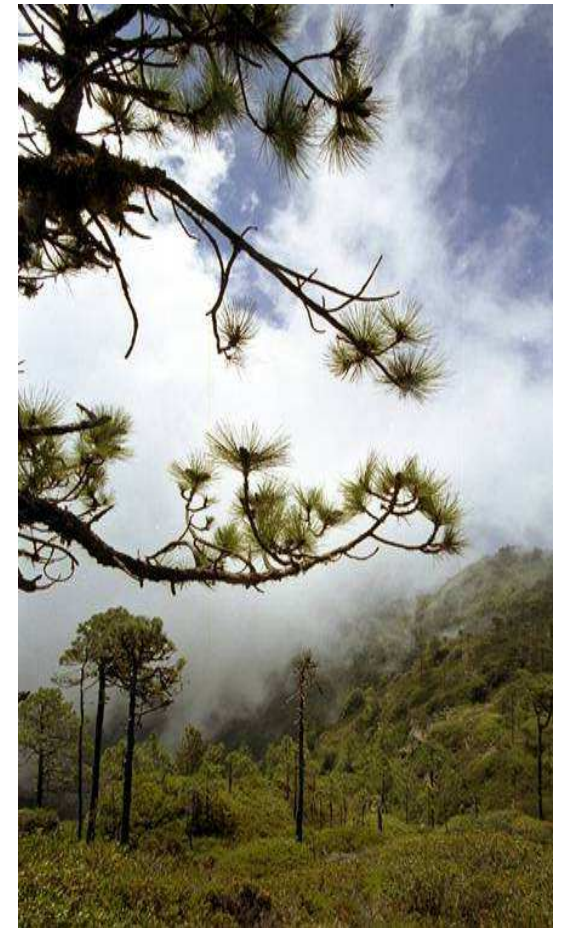




FSC was established

to promote

environmentally appropriate,
socially beneficial and
economically viable
management of the
world's forests





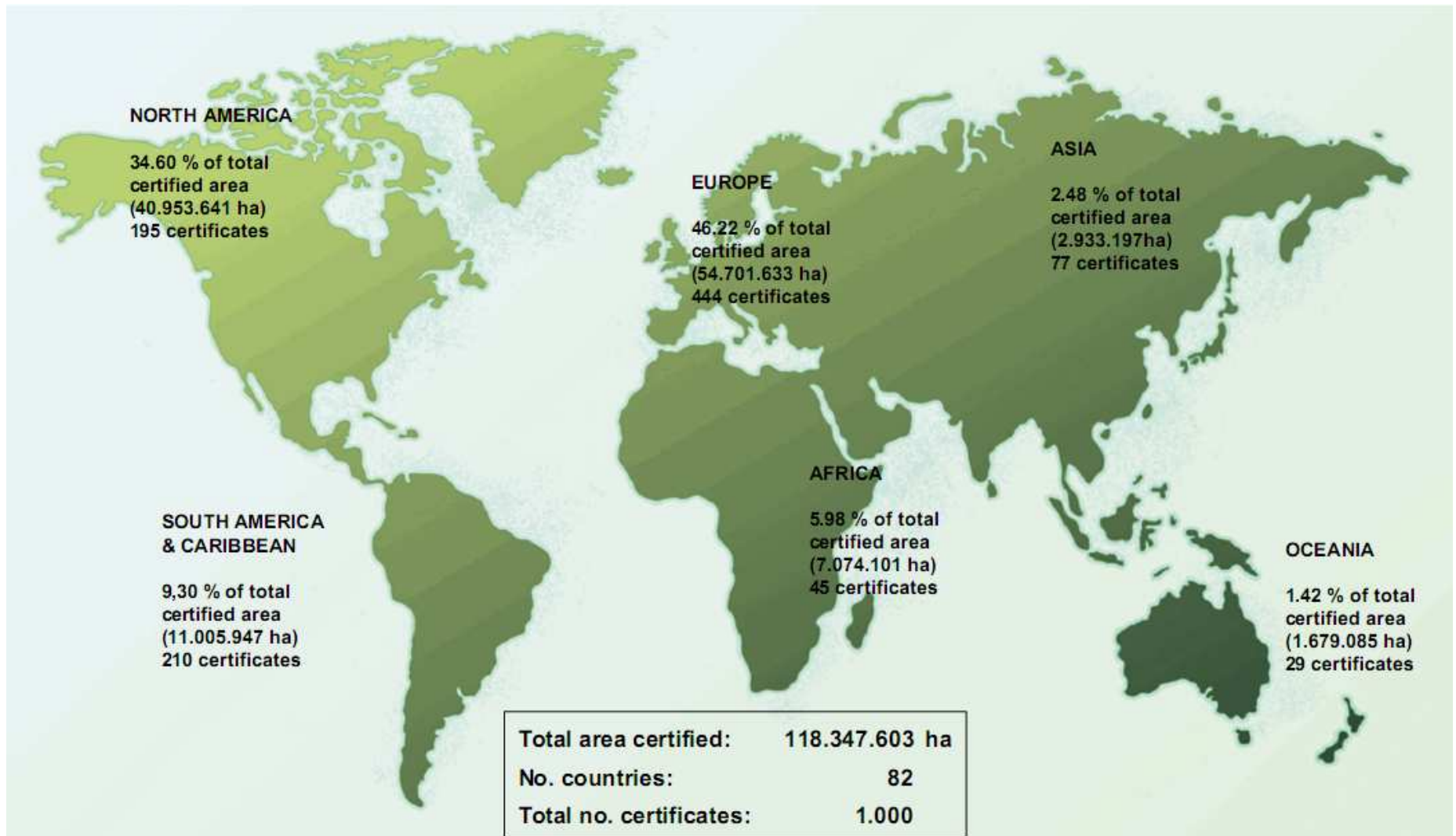
It does this through

- **Setting standards** that reflect agreed principles for responsible forest management
- An **accreditation/certification** system that monitors adherence to FSC standards
- A **product labelling** system that rewards responsible forest managers.

FSC certification

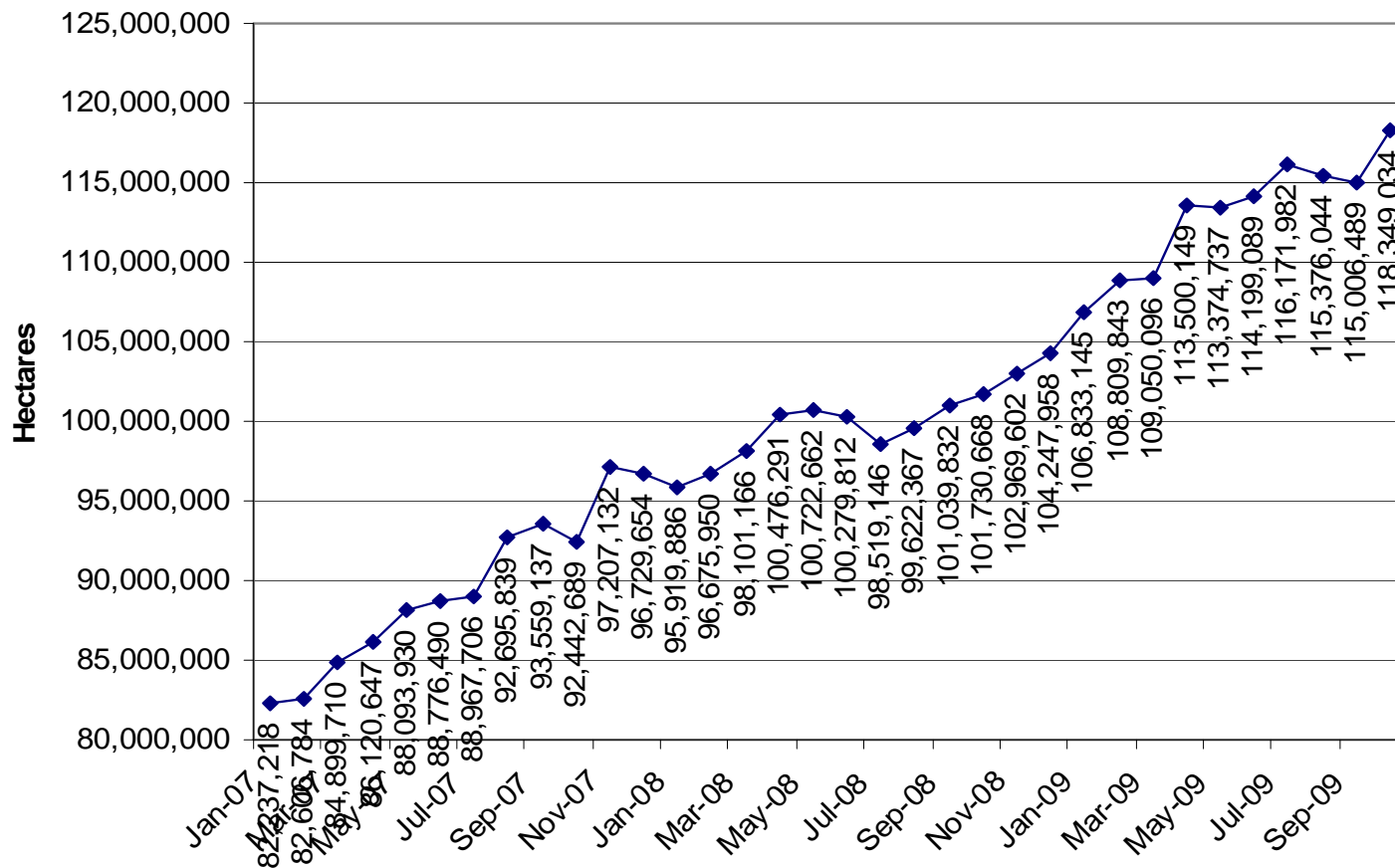
- Forest management
 - S/Env/Ec certification
- Chain of Custody (CoC)
 - traceability





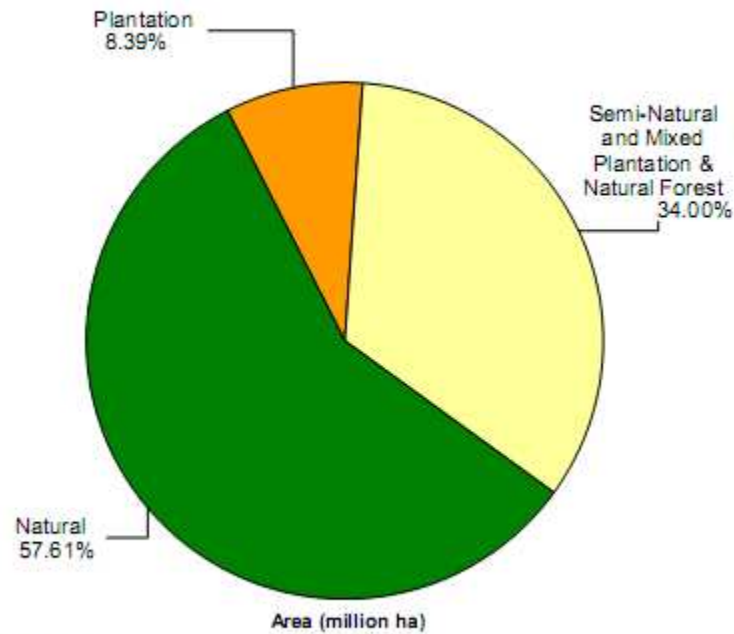


Growth of Forest Area (ha)



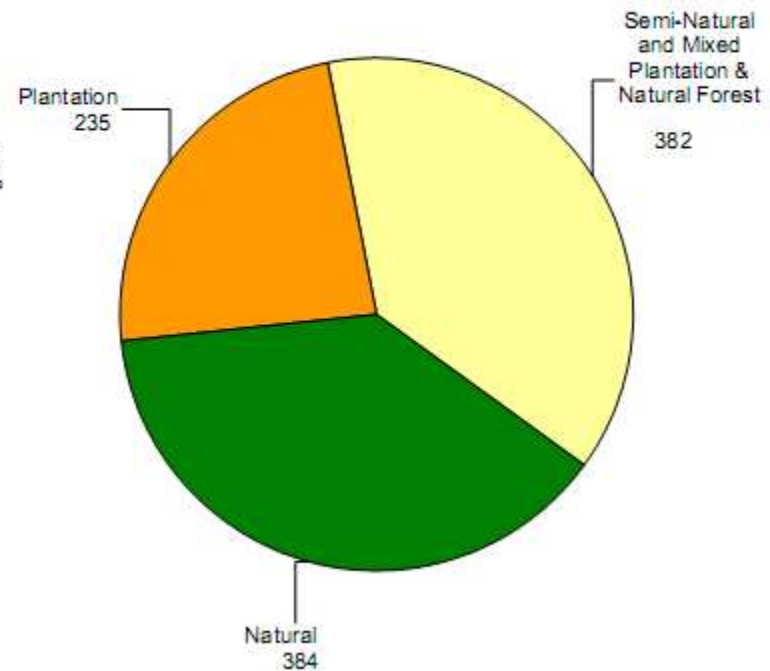
Certification by forest type

Percentage of total FSC certified area (FM or FM/COC)



Area (million ha)	
Natural	68.2
Plantation	9.9
Semi-Natural and Mixed Plantation & Natural Forest	40.3
Total:	118.4

Number of FSC certificates (FM or FM/COC)



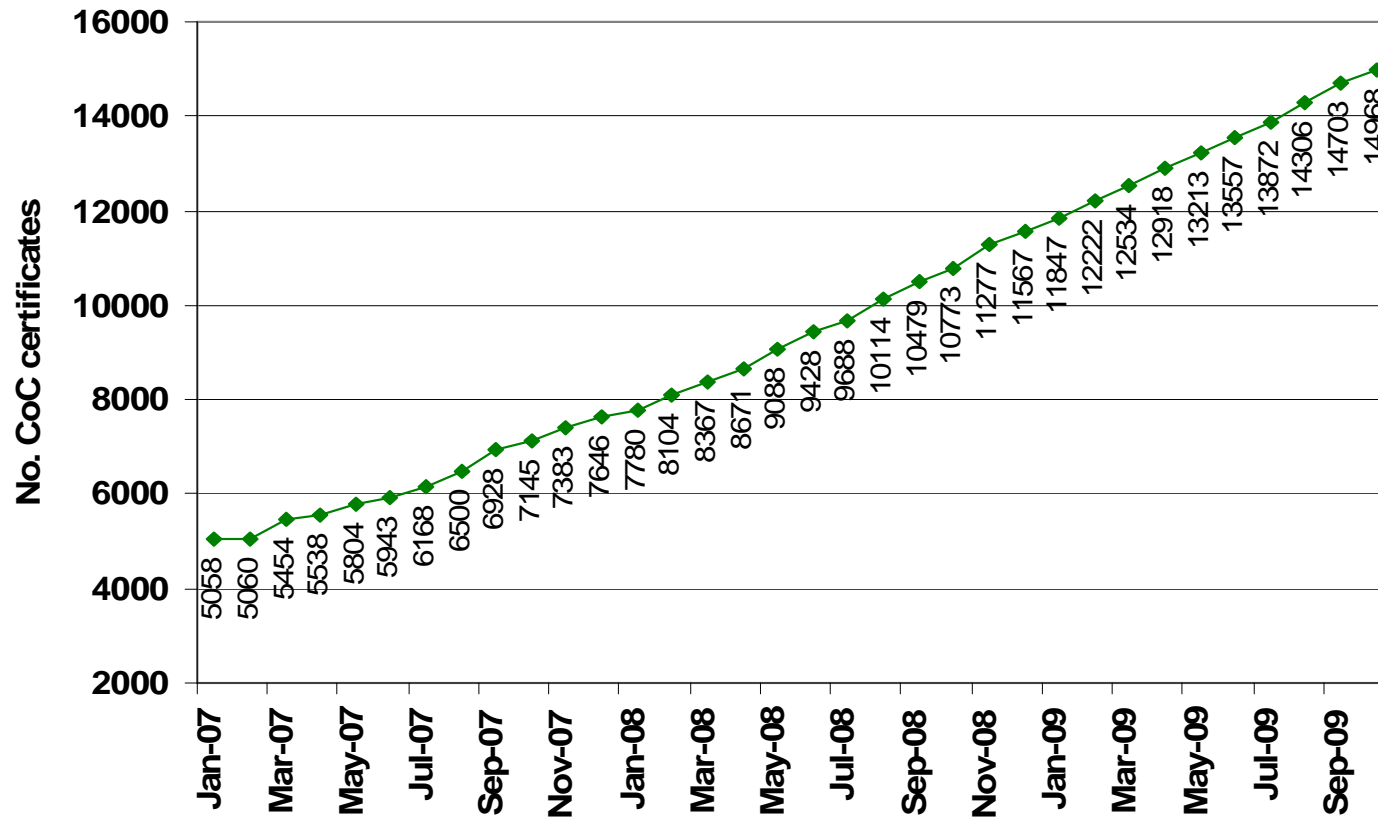


Top Countries – FSC forests (ha)

- Canada 28,580,712
- Russia 22,269,162
- United States 11,620,452
- Sweden 9,738,878
- Poland 6,995,720
- Brazil 5,475,406



Growth of CoC Certificates





Top Countries - CoC certificates

• United States	3,443
• United Kingdom	1,863
• Germany	1,046
• Japan	951
• Canada	866
• China	843
• The Netherlands	775



Drivers

- Private procurement policies
 - Retailers, publishers, banks
 - Corporate image
 - Stakeholder pressure
- Growing consumer awareness
- Public procurement



Trends

- Tissue + Packaging
- Green building – solid wood + panels
- Continuation of strong growth private procurement
- Legislation to combat illegal wood



Plantations in FSC

Why does FSC certify plantations?

Vision:

Plantations can reduce pressure on natural forests at the same time provide an array of social and economic benefits.



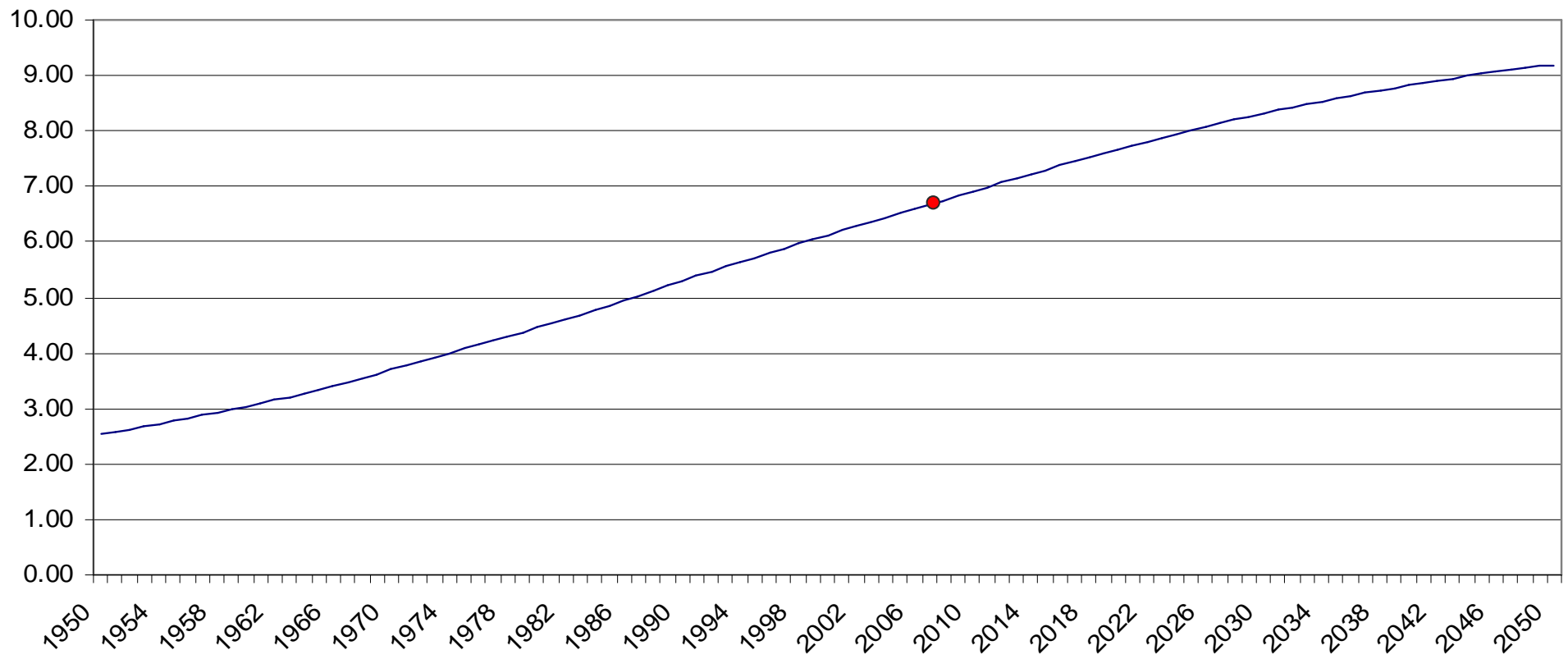
Plantations in FSC

Global Trends

- Population growth



World Population





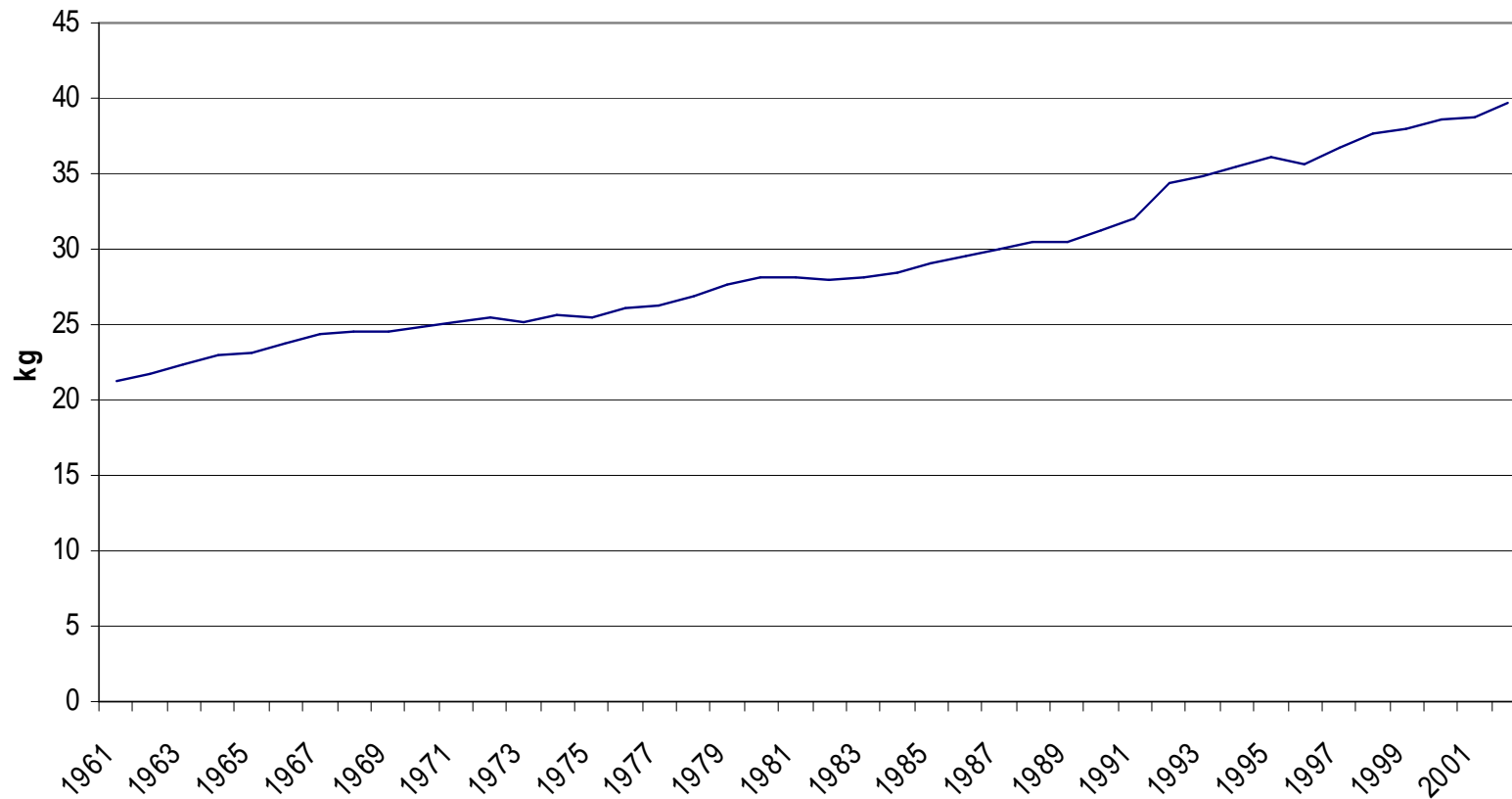
Plantations in FSC

Global Trends

- Population growth
- Economic growth
 - Increase in per capita consumption levels



World meat consumption per capita





Plantations in FSC

Global Trends

- Population growth
- Economic growth
 - Increase in per capita consumption levels

More intensive production systems, such as plantations, are and will only become more important in supplying the world's demand for renewable products.



Plantations in FSC

Impacts

- Intensive production systems present a higher risk of negative social and environmental impacts

Plantations need to be well managed to ensure that these impacts are properly taken into account.



Plantations in FSC

What is a plantation for FSC?

- Not possible or even worth to define precisely

Continuum between natural forests and intensive short rotation tree growing

As a general rule, the higher the intensity the stronger should be the effort in preventing, mitigating and compensating negative impacts.



Plantations in FSC

Key themes

- Landscape planning

How to manage plantations in a way to provide the most biodiversity benefits at the landscape level?



Plantations in FSC

Key themes

- Landscape planning
- Water

How to manage plantations in order to protect water resources and ultimately produce it?



Plantations in FSC

Key themes

- Landscape planning
- Water
- Local development

What is the contribution of plantations, especially large scale operations, in promoting local development?



Plantations in FSC

Key themes

- Landscape planning
- Water
- Local development
- Small landowners

How to best address the needs of small landowners, while taking into account social and environmental issues?



Plantations in FSC

Key themes

- Landscape planning
- Water
- Local development
- Small landowners
- Carbon

How to incorporate carbon considerations into the certification of plantations?



What does this mean to NZ?

- Fairly good position
 - Dynamic plantation + natural forests
 - High standards
 - Lumber oriented: medium/long term rotation
 - Knowledge
 - Active engagement



Conclusions

- FSC will continue to certify plantations
- Certification of plantations is evolving
 - diversity of impacts, scale and complexity
- FSC provides a platform for forest owners to engage with other interest groups and participate in the development of certification



Conclusions

Well managed plantations can deliver a series of economic, social and environmental benefits to society.

FSC certification enables products from these plantations to be differentiated and better compete in the market.



Thank you

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