

Sustainable Forestry
within an Industry
Context

CASE STUDY

PREPARED BY:
DIANA PROCTOR, THE CALLAGHAN
TONY LIND
MICHAEL SHELLEY
CHARLES A. WINTER

A Case Study from "The Business of Sustainable Forestry"
A Project of The Sustainable Forestry Working Group

Business Of Sustainable Forestry Case Study Industry Context

**Naili Ni'matul Illiyyun, Endang
Supriadi, Ririh Megah
Safitri, Masrohatun Masrohatun**

Business Of Sustainable Forestry Case Study Industry Context:

The Business of Sustainable Forestry Case Study - Industry Context Tony Lent, Diana Propper de Callejon, 1999-06 The forest products industry ranks as one of the world's most important industries for the global economy and the environment. It represents close to 3% of the world's gross economic output. The forests upon which it depends are among the most critical ecosystems for the health of the planet and for human well-being. The size of the industry, its links to the rest of the world economy, and the importance of its resource base for environmental services make it the target of intense public scrutiny and government regulation. Understanding sustainable forestry requires understanding the evolving dynamics of the forest products industry, an evolution that is increasingly making the cost of wood a smaller fraction of the final value of a forest product. Two frameworks are used here as prisms through which to view the industry. The first section describes how the major business and environmental trends sweeping the industry are transforming Sustainable Forest Management (SFM) into a major industry force. It then outlines the most critical nonenvironmental drivers that make or break all businesses within the industry and explains how they will influence sustainability issues. The second section describes how all these forces play out within each of the three major industry segments: paper, solid wood, and engineered wood products, and maps out in which parts of the industry sustainable forestry is already a major issue, where it is not, and why. This approach makes sense given the history of SFM. Most sustainable forestry businesses have started from the forest, then tried to move forward to the market. An analysis that assesses the industry and links market conditions back to sustainable forestry supply capabilities reveals where sustainable forestry is well integrated, where it may not have much current opportunity, and where opportunity for closer end market integration remains untapped. The forces transforming the industry include tightening supplies, a shift in production regions, globalization, increased raw material efficiency, intensified product consistency, and heightened government regulation. Just as these forces are affected by environmental pressures, they also have environmental impacts of their own. As population growth and burgeoning economies spur the consumption of forest products, wood supplies are tightening worldwide. While no crisis is imminent, the industry is turning to new regions, especially South America and South Asia, as a source for wood. It is also gradually shifting from a supply based largely on natural forests to one that depends on plantations, many located in the southern hemisphere. Just when environmental restrictions are curtailing wood production in many northern countries, heightened demand elsewhere is causing the industry to expand into delicate ecosystems in the Southern Hemisphere. Meanwhile, the industry is becoming increasingly globalized, with raw materials sourced throughout the world to create products for equally diverse markets. Shifts in producing regions and globalization are creating new opportunities for value added industries in the southern hemisphere. Primary and secondary processing industries will follow wood supplies for financial reasons as timber producing nations try to capture a larger share of the production from forest products. These changes will draw significant investment to the Southern Hemisphere. Globalization brings improvements in

communications shipping and distribution that facilitate the transfer of knowledge about state of the art forest management techniques. These same developments make the emergence of an international trade in certified forest products possible. As capital travels to formerly untapped forest reserves for example those in eastern Russia the forces unleashed by globalization will exert even greater pressures on forests worldwide in the next twenty years. Evermore efficient raw material use and increasing product standardization are also contributing to the industry's transformation. Over the past several decades the industry has created many technological silver bullets that enable it to create more product from less wood. The industry wide drive for standardization and consistency is moving down the value chain from final consumer products through to the forest. Instead of emphasizing efforts to use individual species such as oak and cherry resources are now allocated to figure out how to make a vanilla feedstock such as rubber wood look and perform like oak or cherry. Eventually this trend will lead to more investment in processing assets that can guarantee consistency and a movement toward either tree plantations or homogenization during primary and secondary processing. Environmental forces have flexed their political and market muscles placing the forest products industry under intensifying public scrutiny and government regulation of its environmental performance. New regulations and market initiatives are curtailing access to government controlled forest resources and influencing the management of private forests. While a number of international agreements designed to improve forest practices might eventually affect the industry few now have the teeth to do so. In the past five years certification has emerged as a nongovernmental initiative that may further transform the way the industry manages its forests. Certified forest products are defining the market for wood products grown in an environmentally sound fashion. While the full impact of certification is still unknown if it focuses the concerns of consumers and purchasers on the quality of the forest from which a product is harvested and if certification is widely adopted it could dramatically improve forest management and change markets. How the business and environmental forces affect the paper panels and sawnwood segments of the industry will determine in large measure the future of sustainable forest products. The paper industry with its massive capital investments huge pollution abatement costs extreme business cycles and susceptibility to buyer power has long been beleaguered. The paper industry's recent shift to greater use of recycled paper demonstrates both its vulnerability to outside pressures and its ability to adapt rapidly to a new business environment. Panels and engineered wood products may be a model for the future. Products in this segment capitalizing on rapid fire technological advances are among the fastest growing in the industry. From an environmental perspective these products ability to use a variety of woods now makes them more attractive than plywood the once dominant panel product. On the other hand certified panel products will be much tougher to bring to market because it is so difficult to ensure that all the woods used in them come from sustainably managed forests. Sawnwood products draw most of the attention from the certification community. The sawnwood segment is more fragmented less capital intensive and adds relatively less value to its products than paper or panels. Sawnwood

companies in temperate regions that produce hardwood will have opportunities to sell to markets opened up by a new resistance to tropical hardwoods. The forest management practices of softwood producers however are under heavy scrutiny and they will find fewer opportunities to leverage superior forest management. Although tropical countries are under enormous international pressure to improve their forest management practices, most of the internal and Pacific Rim markets they serve so far remain relatively uninterested in the environmental qualities of forest products. Niche opportunities though are available in Europe to tropical producers that can produce certified forest products. In the future the successful forest products company will understand and embrace the forces that are transforming the industry. Environmental trends are at the leading edge of these changes and will be instrumental in determining the industry's winners and losers. Companies that understand the role of the environment will profit by doing so. Those that underestimate the force of environmental issues will do so at their peril.

The Business of Sustainable Forestry Case Study - STORA James A. McAlexander, Richard A. Fletcher, Eric Hansen, 1999-06. We changed our attitudes we listened we learned we cooperated and we took the initiative. Granqvist supervising forester STOR. Over the past ten years Swedish forest products giant STORA has transformed its forest management to implement and verify a commitment to sustainable forestry. The company has hired a staff ecologist implemented ecological landscape planning brought local environmentalists into its management planning retrained its workforce and adopted new forest conservation measures. Most recently STORA became Europe's first major timber company to have a large block of its forests certified by a third party as sustainably managed. Headquartered in Falun Sweden STORA is one of the largest forest products companies in the world with 1996 sales of 5.9 billion. The company ranks fifth worldwide in paper and board production producing 1.9% of the world's production compared to 3.2% for industry leader International Paper Co. STORA sells primarily paper products but also runs four sawmills and is involved in power production banking and associated financial operations. The company owns a total of 2.3 million hectares of forest primarily in Sweden but it has holdings in Portugal and Canada as well. In 1996 STORA became one of the first large commercial forestry operations in the world to attain third party certification. The Forest Stewardship Council (FSC) the oldest and most credible certification system with environmentalists certified STORA's holding in the Ludvika district. STORA's size and its importance in the global forest products industry makes its actions a milestone in the development of sustainable forestry. As STORA's evolution towards sustainable forestry indicates certification has already become a strategic consideration for some forward looking companies.

Sustaining Profits and Forests Sustainable Forestry Working Group, 1997. *Services in Family Forestry* Teppo Hujala, Anne Toppinen, Brett J. Butler, 2019-11-05. This book transfers the newest service research concepts such as value co creation to family forestry context. The book is aimed at as learning material for higher education students in Western economies and as a handbook for forest scientists worldwide. It has a strong theoretical base but also a practical orientation with examples of novel forest services from different regions and contexts. The five parts of the book are I

Conceptualization of Service Approaches in Family Forestry II Market and Policy Environment III Public Service and Business Innovations IV Communication Cooperation and Organizations for Services and V Transitions Governance Each part begins with a chapter that is more conceptual and thus sets the stage for the subsequent chapters which then focus on a regional perspective or some more specific theme under the part's coverage

State of the World, 2000 *Pacific Forest Sector Outlook Study 2023* Nair, C.T.S., Matta, R., Kumar, R., Lee, S., Thomson, L., 2023-06-19 This outlook study focuses on the Pacific Small Island Developing States SIDS comprising 14 countries in the Pacific region Fiji Papua New Guinea Solomon Islands and Vanuatu Melanesia the Federated States of Micronesia Kiribati the Marshall Islands Nauru and Palau Micronesia and the Cook Islands Niue Samoa Tonga and Tuvalu Polynesia It examines the future prospects for forests and trees in the Pacific providing insights into potential pathways of change and options for achieving the Sustainable Development Goals SDGs The study was prepared by FAO in response to a request from the Pacific Ministers of Agriculture and Forestry and incorporates information from country outlook papers thematic studies and various published and unpublished sources

Forest Value Chain Optimization and Sustainability Sophie D'Amours, Mustapha Ouhimmou, Jean-François Audy, Yan Feng, 2016-12-01 This book provides a global perspective on the various issues that the industry has to face as well as to provide some key global strategies that can help coping with those global challenges such as collaboration strategic value chain planning and interdependency analyses It presents literature reviews strategic research orientations assessment of some current key issues and state of the art methodologies

The Business of Sustainable Forestry Sustainable Forestry Working Group, 1998 This volume provides 16 detailed case studies of major companies representing each step in the commercial chain from forest management to retailing forest products The studies from around the world demonstrate what the shift to sustainability means for businesses involved in forest products some of the world's most important renewable resources Introductory chapters characterize the process and the gains for all companies organizations and business schools engaged with sustainable forestry

Sustainability Strategies for Industry Nigel Roome, 1998-08 Comprises contributions originally presented at the 4th Greening Industry Network conference Toronto 1995 Focuses on environmental and social consequences of industrial activity for the modernization of industrial organizations and their management

Forests, Trees, and People Newsletter, 2000 **Ecological Bulletins, Targets and Tools for the Maintenance of Forest Biodiversity** Per Angelstam, Monica Donz-Breuss, Jean-Michel Roberge, 2009-05-06 Maintaining forest biodiversity by combining protection management and restoration of forest and woodland landscapes is a central component of sustainable development Evidence that there are threshold levels for how much habitat loss may be tolerated for viable populations of specialised species to be maintained Policy makers businesses and managers pose questions about how to balance use of renewable forest resources and conserve biodiversity Examples are presented on how biodiversity assessments can be made Proposes how the critical gaps in our

knowledge identified throughout the book could be filled through macroecological research and international co operation

The Business of Sustainable Forestry Michael Jenkins, Emily Smith, 1999-06-01 A range of powerful forces increasing demand for wood uncertain and decreasing supply increasing environmental pressures and growing markets for environmentally certified wood are changing the way the forest products industry conducts business Forward thinking firms have recognized the significance of these forces and are developing a new business model one that will not only sustain revenues but can ensure the long term health of the forests upon which the industry depends The Business of Sustainable Forestry integrates and analyzes a series of 21 case studies of industry leaders carried out by the Sustainable Forestry Working Group The motivations of the pioneering firms studied are as varied as their characteristics yet each has made significant progress The authors of this book argue that the operations that have been most successful are those that have integrated sustainable forestry principles and practices into their overall corporate strategy The book describes the forces that are pushing the industry toward sustainability presents an overview of the new techniques and technologies that are making sustainable forestry more feasible than ever presents in clear engaging prose company profiles that demonstrate both the promise of and the obstacles to sustainable forest management gives a clear eyed look at practices such as certification and their capacity to transform the forest products market provides conclusions drawn from the cases by Stuart Hart of the University of North Carolina and Matt Arnold of the Management Institute for Environment and Business offers a succinct set of lessons learned The Business of Sustainable Forestry is the first book to present a composite snapshot of the business of sustainable forestry and the lessons learned by early adopters in form and language accessible to the general business reader Forest and natural resource managers forest products industry managers and students and academics in schools of business and forestry will find the book a unique and valuable guide to an industry in transition **The**

International Forestry Review ,1999 **The Business of Sustainable Forestry** ,1998 **Georgia Forestry** ,1997

Environmental Conflict and Democracy in Canada Laurie E. Adkin, 2010-01-01 The urgent need to resolve conflicts over forests fisheries farming practices urban sprawl and greenhouse gas reductions among many others calls for a critical rethinking of the nature of our democracy and citizenship This work aims to move the ideas of green democracy and ecological citizenship from the margins to the centre of discussion and debate in Canada Environmental Conflict and Democracy in Canada offers sixteen case studies to demonstrate that environmental conflicts are always about our rights and responsibilities as citizens as well as the quality of our democratic institutions By bringing together environmental politics and democratic theory this path breaking collection charts a new course for research and activism one that reveals the deficits of citizenship and how democracy must be extended to achieve a socially just ecologically sustainable society

Accounting for Sustainable Forestry Management United Nations Conference on Trade and Development, 1994

First Nation and Forest Industry Relationships John Graham, National Aboriginal Forestry Association, Jake Wilson, First

Nation Forestry Program (Canada), Forest Products Association of Canada, 2004 Interfaces ,2000 Seeks to improve communication between managers and professionals in OR MS Proceedings of the 2nd International Conference on Democracy and Social Transformation (ICON-DEMOST 2023) Naili Ni'matul Illiyyun, Endang Supriadi, Ririh Megah Safitri, Masrohatun Masrohatun, 2024-01-05 This is an open access book Faculty of Social and Political Science State Islamic University Walisongo Semarang has been playing significant roles in building global peace and justice by conducting scientific research and creating a space for academic dialogue and discussion This goal is in line with our vision to be a Research Faculty based on the unity of sciences for humanity and civilization As part of the efforts to create a space for academic dialogue at a global level we organize an international conference which aims to develop scientific knowledge build institutional capacity and strengthen international networking The conference is also held to support State Islamic University Walisongo Semarang in achieving its vision to be an Islamic world class university The conference raises the issue of democracy and social transformation to capture the social and political dynamics The selection of this topic is based on the idea that technological development is becoming a crucial issue within modern society in which people tend to experience alienation within the rapid social and political transformation Democracy as a political system that ensures transparency citizen participation and human rights protection is now under threat Having the fact that there is a growing tendency of using transactional politics to win political interests such as the use of money and identity in political processes therefore political analysts consider this situation as the regression of democracy Rapid social and cultural transformation as a consequence of advanced technology creates problems in modern society On one hand technology has made the life of people easier However on the other hand the sense of humanity's values and principles is declining This situation can be observed in the decrease in social solidarity and the rise of individualism Modernity that values productivity and economic growth has brought a negative impact on the life of human being and nature The exploitative character of industrialization has created an ecological crisis Advanced information technology has loosened social cohesivity and the rise of instrumental rationality has removed local genius or local wisdom from the life of society Since the ultimate goal of humanity is respecting the dignity of human beings hence bringing back humanity to the center of the development program is crucial especially in the current social and political dynamics In the political context humanity means respecting the basic rights of the citizen and putting them as a subject of political development and not perceiving citizens as only an instrument to win political power Based on the above background this conference is organized The overall goal of the conference is to mainstream humanity in the current social and political change The conference is also expected to be an arena for scholars and experts in social and political science as well as practitioners and policymakers to meet and exchange ideas and perspectives for a better future of our society

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