



Références scientifiques sur la Conservation d'un réseau représentatif et fonctionnel de forêts naturelles

*Scientific references for a representative and functional
conservation network of old growth forests*



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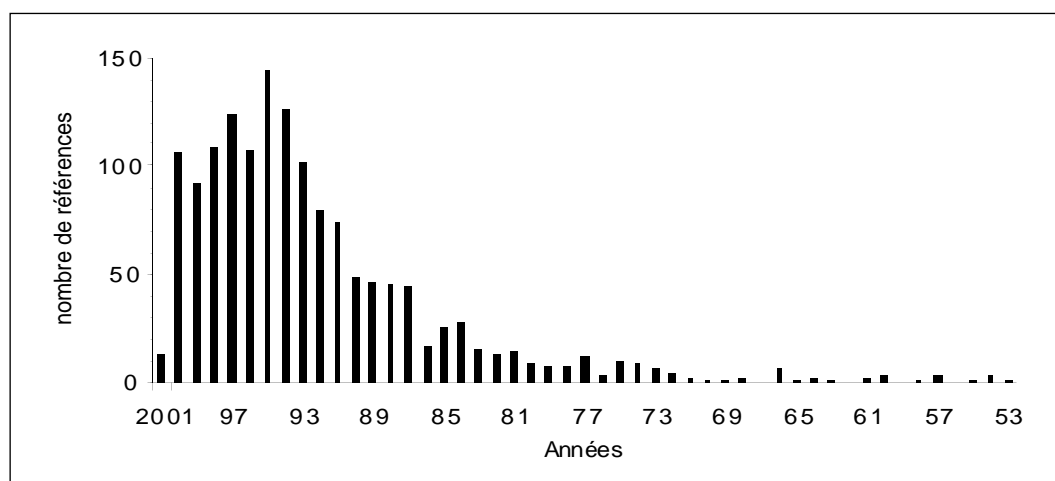


Figure 1

Répartition du nombre de références bibliographiques en fonction de l'année de publication. Dans ce document, 76.4 % des 1477 références sont postérieures à 1989.

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Généralités sur la protection des forêts naturelles

General references on the protection of old-growth forests

A. Définition

Definition



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Partie 1

Structure, dynamique et régénération des forêts naturelles

Old growth forests structure, dynamics and regeneration

A. Méso-échelle : structure, dynamique et régénération des écosystèmes forestiers

Meso-scale: ecosystem and forest stand structure, dynamics and regeneration

1. Les forêts naturelles nord américaines

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les questions relatives à la fragmentation des paysages
Space macro-scale: implication of landscape fragmentation

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3. Impact de la fragmentation sur la structure

IMPACT OF FRAGMENTATION ON THE STRUCTURE

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4. Impact de la fragmentation sur les processus fonctionnels

IMPACT OF FRAGMENTATION ON FUNCTIONAL PROCESSES

> Impact sur les flux génétiques

Impact on genes flux

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> Impact sur la pollinisation

Impact on pollination

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> **Impact sur la dissémination des graines**

Impact on seed dissemination

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> **Impact sur la régénération naturelle**

Impact on natural regeneration

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> **Impact sur la prédation**

Impact on predation

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> **Impact sur la mortalité des arbres**

Impact on tree mortality

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Other impacts

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C. Macro-échelle temporelle : les questions relatives à la paléocéologie

Time macro-scale: implication of paleoecology

Avertissement : cette partie rassemble quelques références générales et incomplètes, mais dans lesquelles l'on trouvera des éléments permettant de recadrer le thème "forêt naturelle" dans le contexte français.

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Partie 2

La biodiversité animale et végétale associée aux forêts naturelles



Animal and plant biodiversity associated to old-growth forests

A. Biodiversité des stades matures

Biodiversity of mature forest stands

1. Plantes à fleurs

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Biodiversity associated to bark and dead wood

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D. Autres éléments de biodiversité généralement associée aux forêts naturelles

Other biodiversity elements generally associated to old-growth forests

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Partie 3



Aperçu sur quelques fonctionnements des forêts naturelles

Insight into some old-growth forests functional processes

A. La fonction "perturbations naturelles" *"Natural disturbances" as a functional process*

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Partie 4

Les aspects humains

Human aspects



A. Histoire des hommes, histoire des forêts

Human history, forests history

Avvertissement : cette partie rassemble quelques références générales et succinctes, bien loin d'être exhaustives et spécifiques, mais dans lesquelles l'on trouvera des éléments permettant de recadrer le thème "forêt naturelle".

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Old-growth forests, laws and society

1. Forêts naturelles et droit

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OLD-GROWTH FORESTS AND SOCIETY

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E. Une forêt de cultures

When forests are a culture

1. Arts des sylves, arts du sauvage

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Partie 5

Bases scientifiques pour un réseau de conservation durable

Scientific basis for a viable conservation network

A. Définir un réseau de conservation représentatif et fonctionnel

Defining a representative and functional conservation network

1. Concepts et démarche : écosystème, réseau, priorité

CONCEPTS AND STEPS: ECOSYSTEM, NETWORK, PRIORITY

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C. Identification et suivi

Identification and monitoring

1. Critères, indicateurs et vérificateurs (CIV) de naturalité et d'intégrité fonctionnelle : concepts

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2. CIV relatifs à la paléoécologie et à l'histoire humaine

CIV RELATED TO PALEOECOLOGY AND HUMAN HISTORY

Note : nous notons ici pour mémoire cette catégorie de CIV, relative aux trajectoires écologiques naturelles, et aux interactions fortes avec l'histoire humaine en Europe. Pour des exemples, le lecteur se reportera aux chapitres "paléoécologie" et "histoire".

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Partie 6

Les toutes dernières forêts naturelles de la France

The last of the last ancient forests of France



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J. Les forêts vierges tropicales de Guyane (partiel)

Tropical rainforest of French Guyana (a selection)

Note : compte tenu de l'importance des écosystèmes forestiers de Guyane française comme laboratoire de recherche sur les forêts naturelles tropicales au niveau international, un grand nombre d'articles font référence sur des thématiques comme l'impact de la fragmentation et la conservation de la biodiversité. Ces références ont été présentées dans les parties précédentes et ne sont pas reprises ici. Le lecteur intéressé pourra s'y reporter, notamment pour retrouver les articles de messieurs Charles-Dominique, Cosson, Granjon, Masson, Riera, Ringuet, Thiollay,...

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