



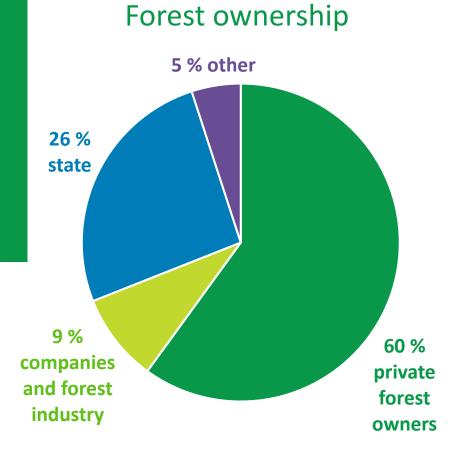




Finland's forests

Forest area:
20 M ha
>75 % of land area

In Finnish forest
management, the structure
of the forest, the
characteristics of the soil as
well as the goals of the
forest owner are taken into
consideration.



Source: Natural Resources Institute Finland

ECONOMIC SUSTAINABILITY SUSTAINABLE FOREST MANAGEMENT INCLUDING ALL ASPECTS OF SUSTAINABILITY SOCIAL AND **ECOLOGICAL** CULTURAL SUSTAINABILITY SUSTAINABILITY

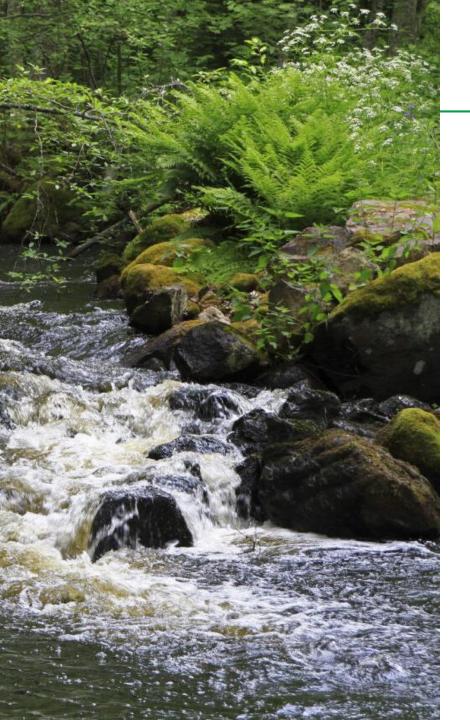
The story behind the Best Practices for Sustainable Forest Management

Best Practices for Sustainable Forest Management offer alternatives for forest management and information on their effects.

Different elements of sustainability are taken into consideration: **economy**, **nature**, **recreational use** of forests and **climate change mitigation and adaptation**.

The Best Practices reflect **long-term research** and societal values among the key stakeholders as well as the main targets set by the Finnish national forest policy.

The Best Practices are **provided by the Ministry of Agriculture and Forestry** as a service for Finnish forestry.



The compilation process

Best Practices for Sustainable Forest Management are developed in a multi-stakeholder process coordinated by Tapio Ltd., where the actors represent forest, environment and climate sectors.

The work is overseen by a high-level management group and steered by a group representing the different interests of forests and forest management. The Best Practices are constantly open for updates and feedback.

Best Practices in relation with laws, certificates and other practices

Company practices, codes of conduct etc.

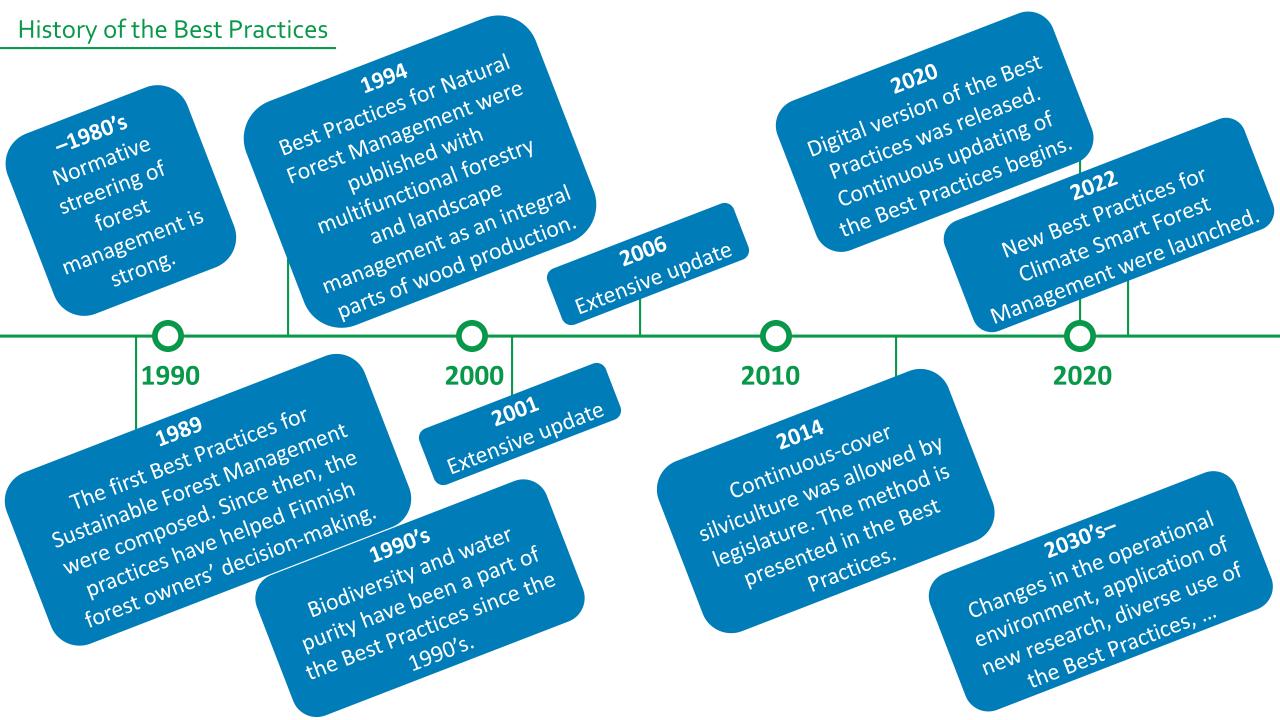
complement the selection of targets for the measures and the practical implementation of forestry with their own guidelines.

Best Practices for Sustainable Forest Management

guide forest owners towards their goals in practice, put the latest research data into practice and go further on nature, water and climate issues.

Forest legislation and certification

set limits for the use of managed forests.





Application of the Best Practices

Best Practices for Sustainable Forest Management are broadly used by **forestry professionals**, **forest owners** and **forestry students**.

The Best Practices are **freely available** in Finnish and in Swedish.

The Best Practices are also available through an interface (API) for organizations that wish to include parts of them in their own services or websites.

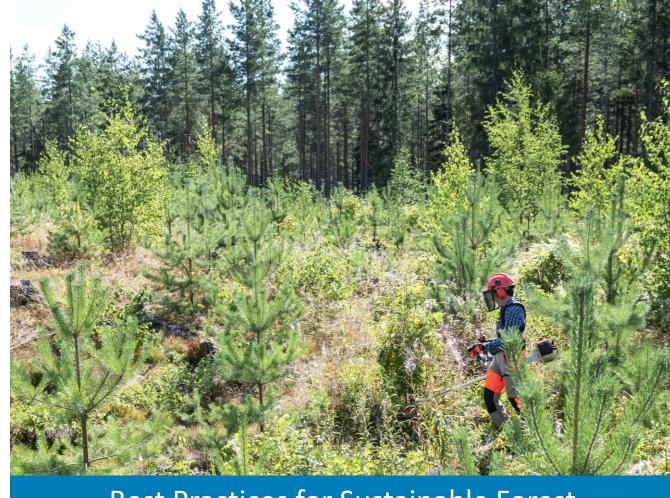
Different forests and forest owners need individual solutions



>600 000 forest owners



Present | Near future | Future generations



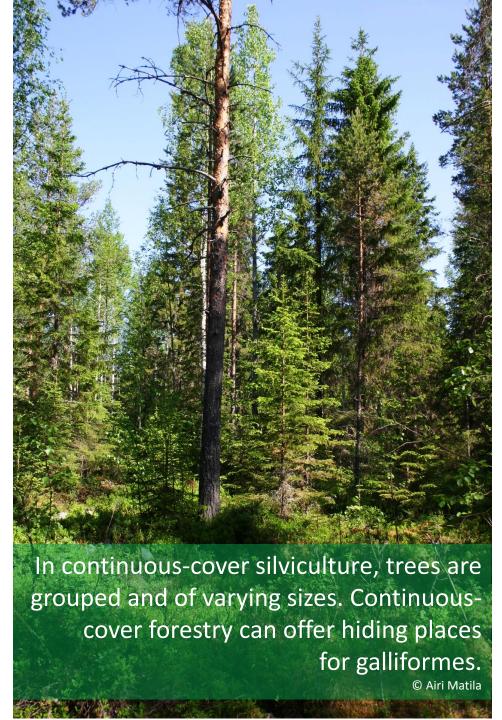
Best Practices for Sustainable Forest

Management take forest owners' diverse values

into account.





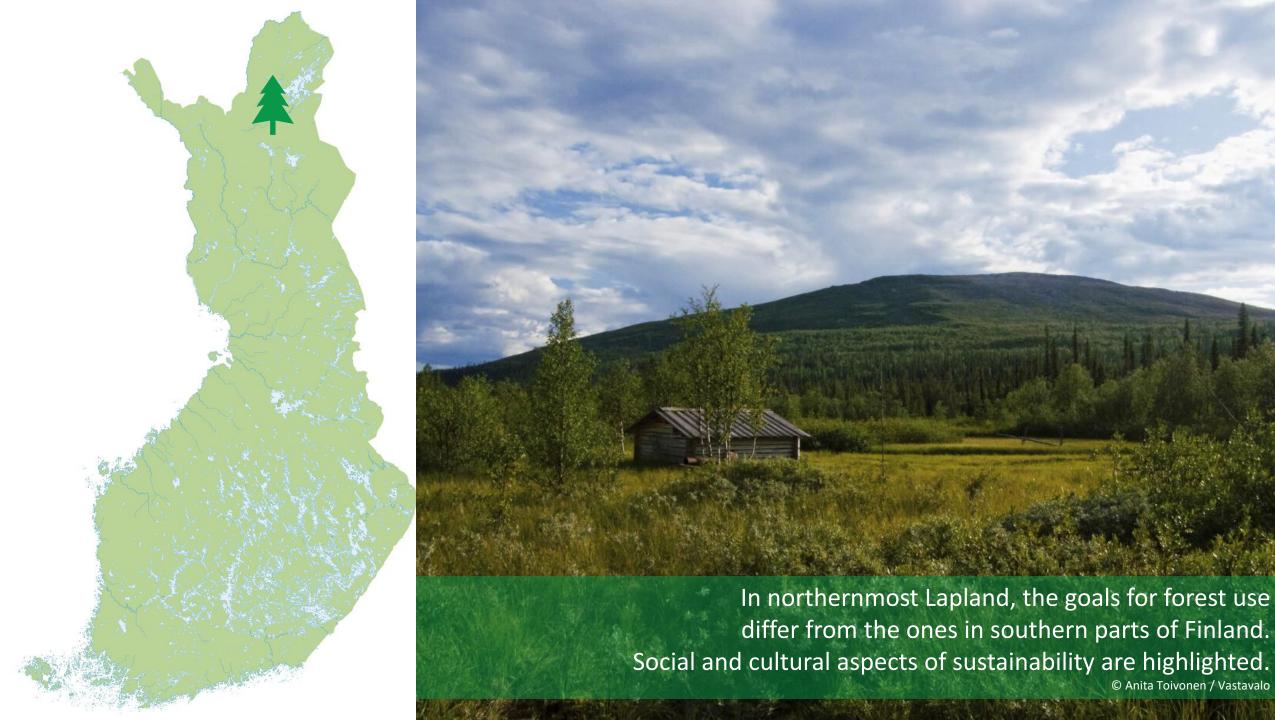


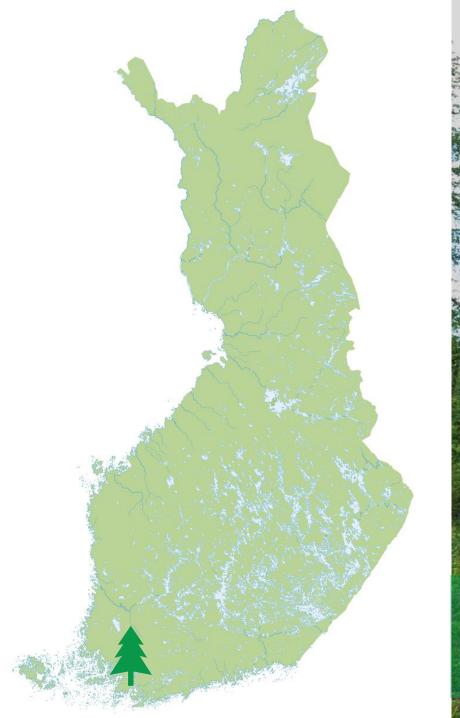
The effects of the Best **Practices for** Sustainable **Forest** Management are best seen in versatile forests that provide well-being in Finland.

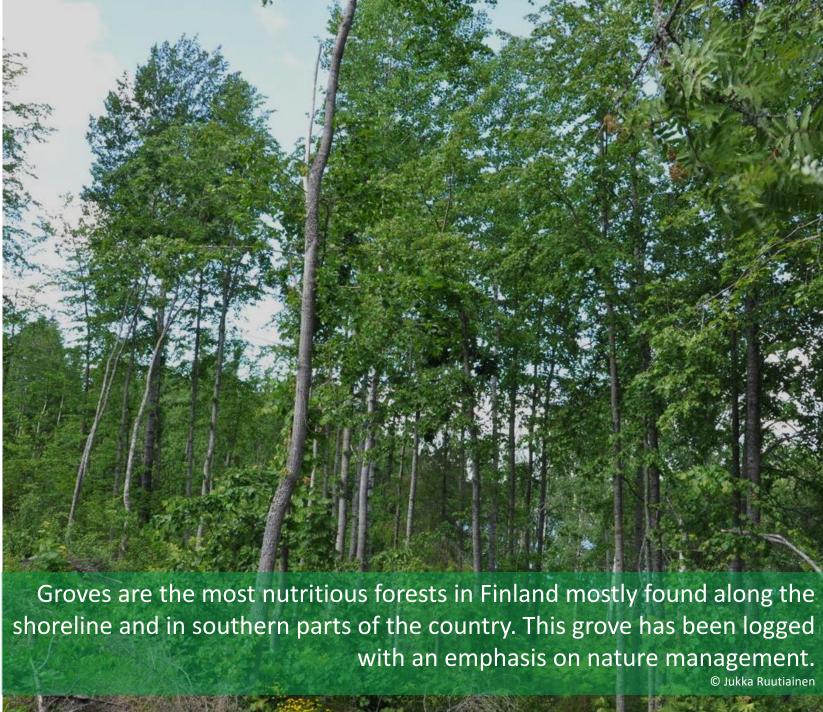


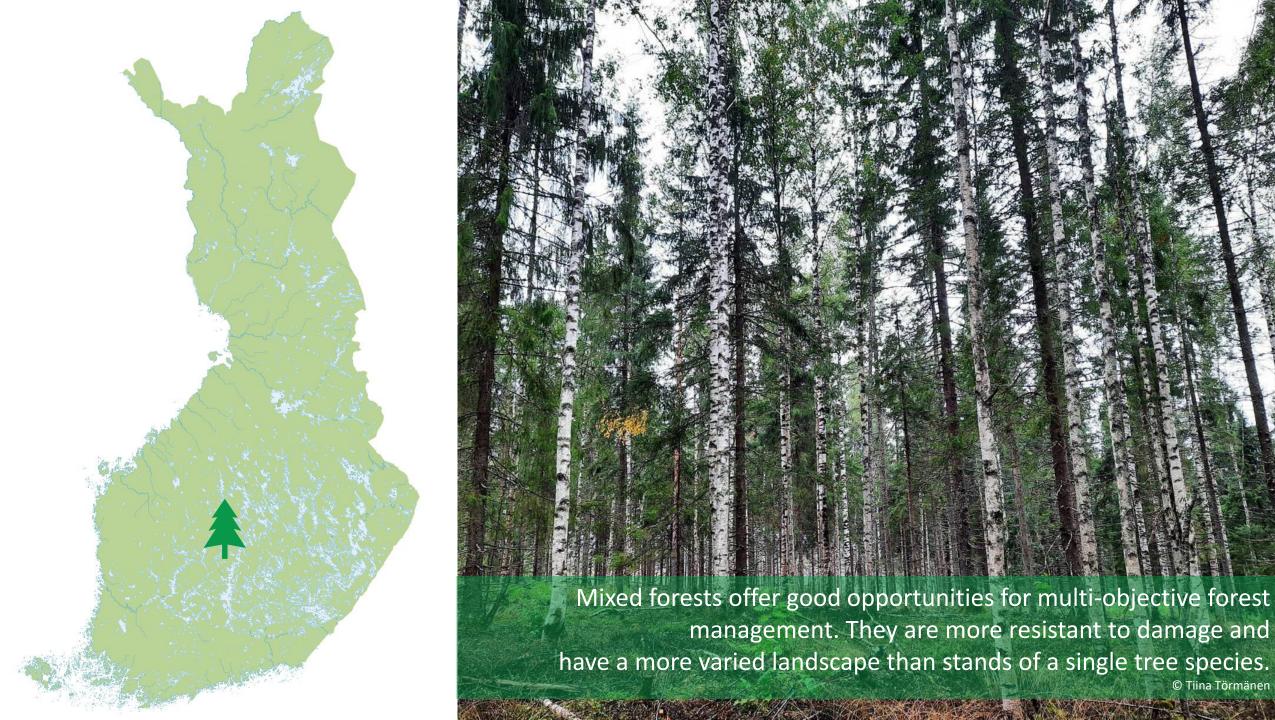














Finnish forest legislation allows a wide range of regimes to be applied to different forest management goals.

The challenge to a forest owner is the plethora of options available.

This is where the Best Practices for Sustainable Forest Management help decision-making.

Climate smart forest management



CARBON IN PRODUCTSGrow high-quality wood

CARBON IN THE FOREST
Store carbon in soil and trees

BALANCEEconomy, nature, recreation, climate

Best Practices for Sustainable Forest Management offer alternative climate smart forestry recommendations for forest owners.

Best Practices for Climate Smart Forest Management help forest owners make choices that will help their forests survive in the future





1. ANTICIPATE, MONITOR AND PREPARE



2. FAVOUR MIXED FOREST



3. ENSURE GOOD GROWTH OF SEEDLINGS



4. SPREAD THE RISK





Nature management

Nature management is a generic term for activities that are carried out in parallel with timber production in commercial forests. Nature management provides conditions for forest species diversity, clean water and other ecosystem services.

Some nature management measures in the Best Practices for Sustainable Forest Management:

Taking valuable habitats into account

Retention tree groups

Preservation of trees of biodiversity or landscape value

Favouring pollinators

Preservation of deadwood

Favouring mixed forest

Protection zones for small waters

Avoiding bird nests

Case: Deadwood secures diverse nature



According to the law, deadwood protection requirements are connected to separately defined nationally mapped target areas.

The certification includes requirements for saving living retention trees and existing deadwood from forestry operations.

Best Practices for Sustainable Forest

Management specify where to leave the retention trees and how to keep deadwood intact during mechanical logging.



Game management



If game management is of particular importance to the forest owner, it can be taken into account in forest management planning.

Some measures in the Best Practices for Sustainable Forest Management for favouring game:

Saving shrubs, junipers and undergrowth

Retaining shrubs at the edges of open areas

Avoiding clear cutting during bird nesting season

Game-oriented forest plans

Conservation of game culture sites

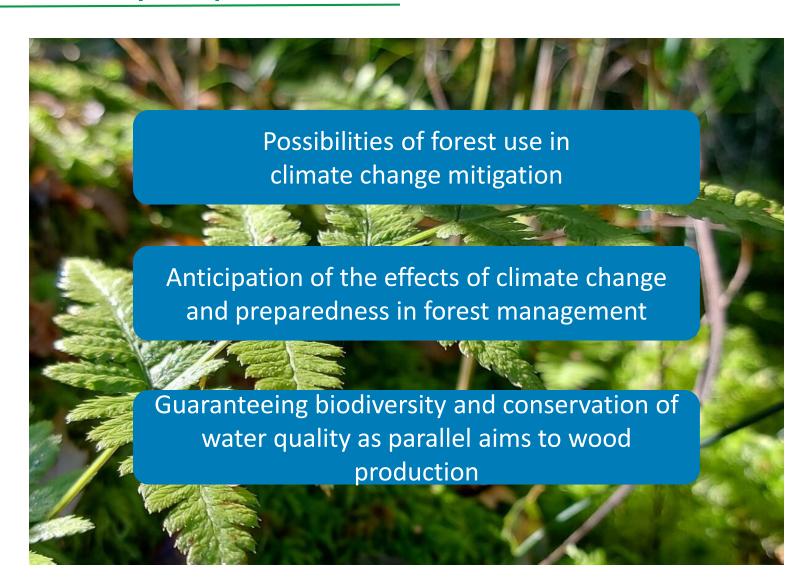


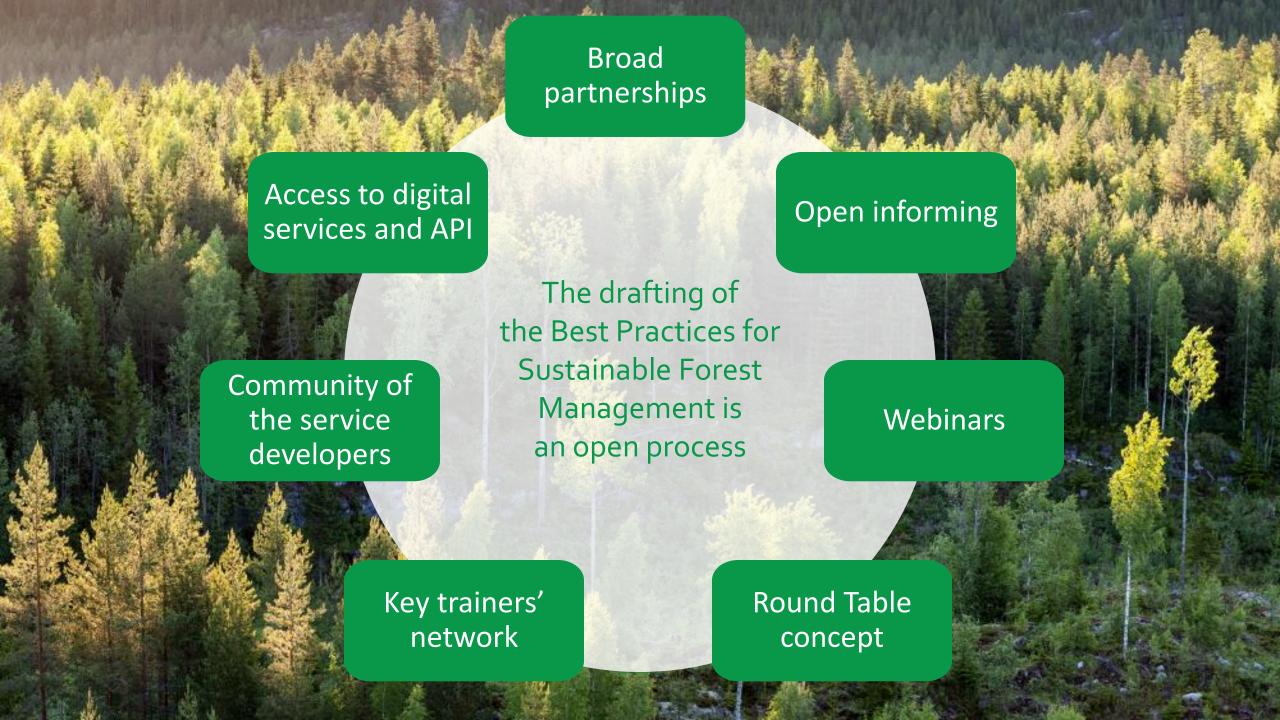
The Best Practices are kept up-to-date

The Best Practices for Sustainable Forest Management offer justifiable and versatile alternatives for the use of Finnish forests.

At present, the focus is on climate change and biodiversity.

Keeping up-to-date comes with both possibilities and insecurities.





























































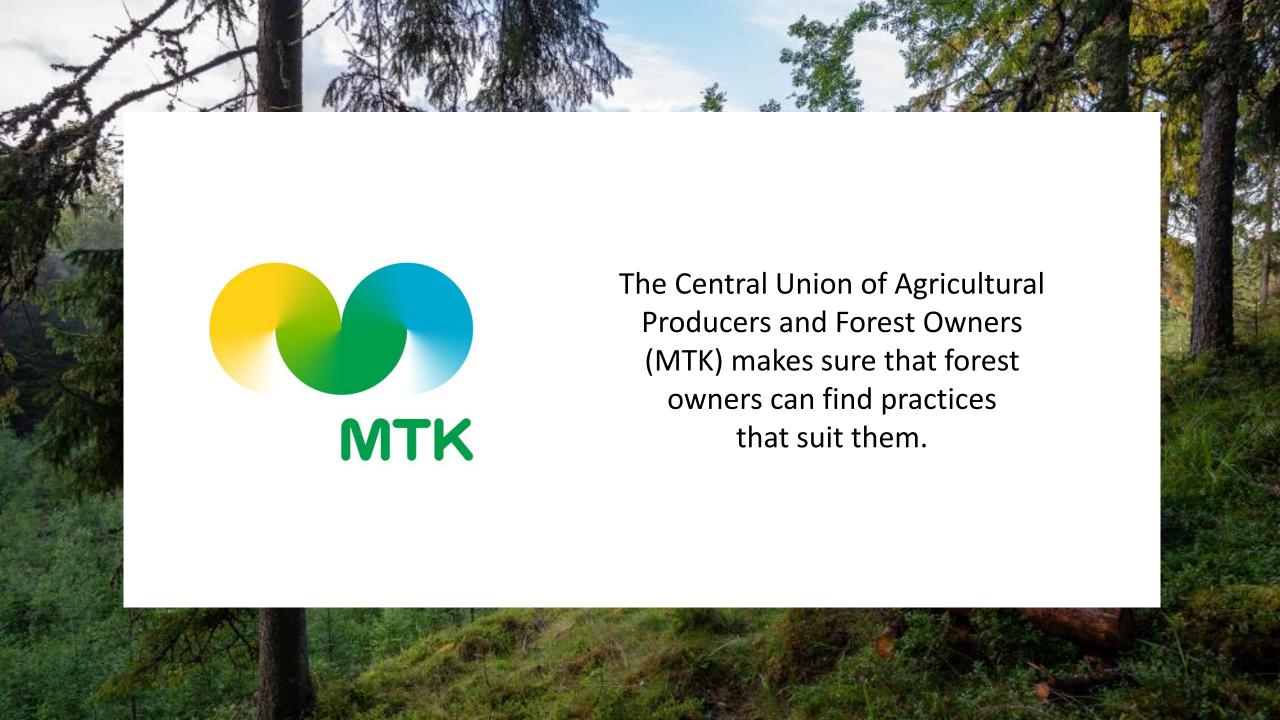


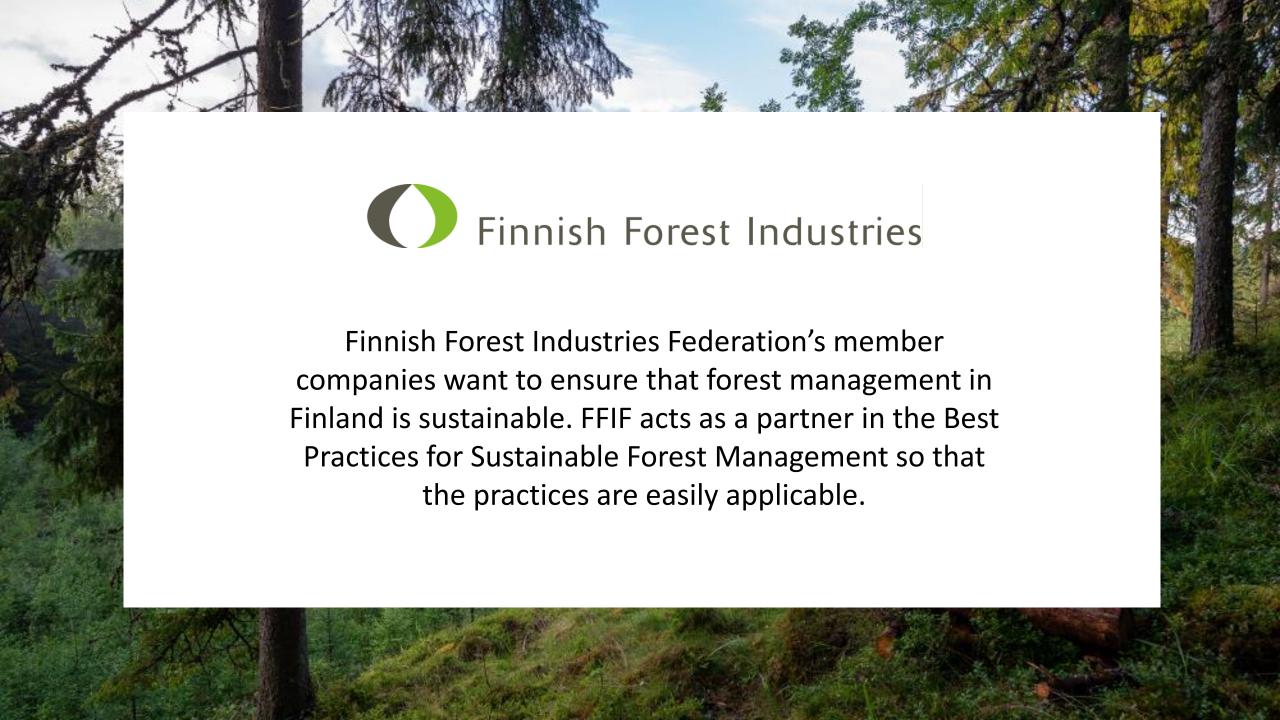


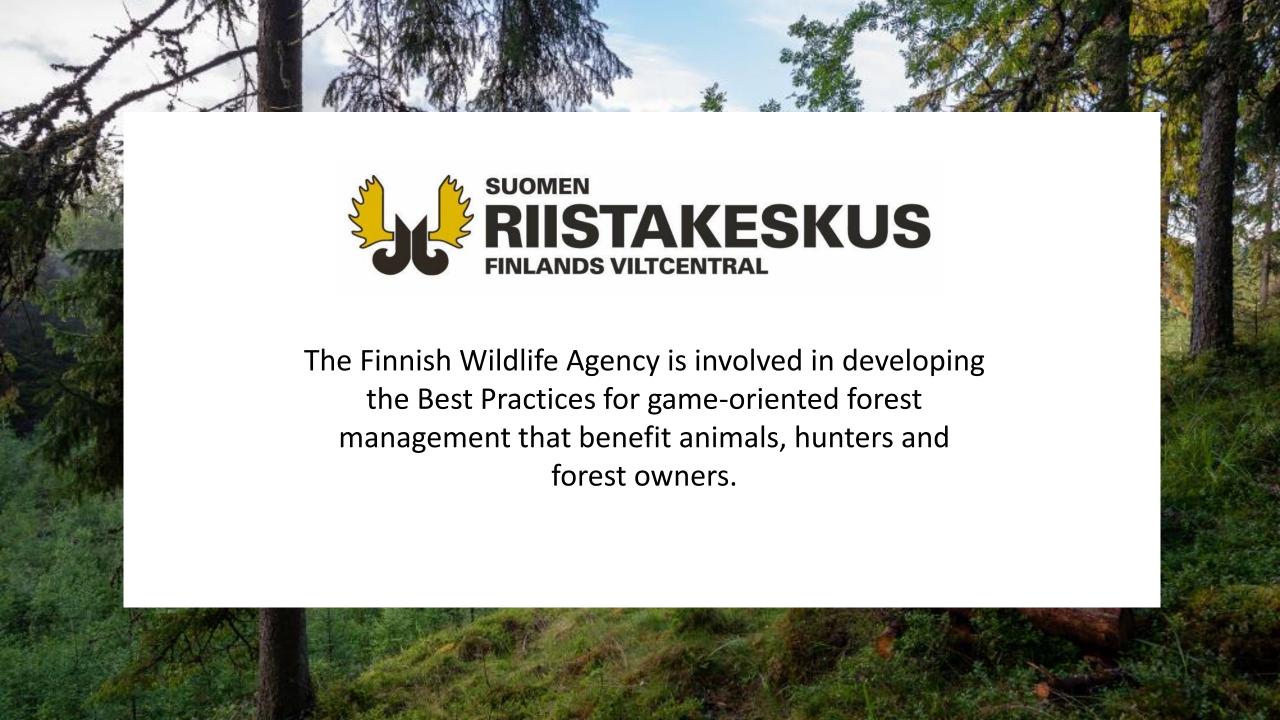


Partners for the Best Practices for Sustainable Forest Management











The Best Practices for Sustainable Forest Management are an important part of forestry professionals' daily work

2/3

of Finland's forestry professionals apply the Best Practices monthly 93 %

think that it is important or highly important for forestry experts to have access in the Best Practices

76 %

think that the Best Practices are a significant or a very significant part of Finnish forest management

The Best Practices are taken into use through digital services and training

Best Practices for Sustainable Forest
Management are published as Open Data and
they have been integrated as part of the digital
services and forest management planning
systems of the Forest Industry.

The Best Practices are widely used in forest professionals' basic training and forest owners' training.



Thinning schedules

The **thinning schedules** in the Best
Practices for Sustainable Forest
Management describe the optimal time to
carry out thinning in managed forest and
how dense to leave the forest.

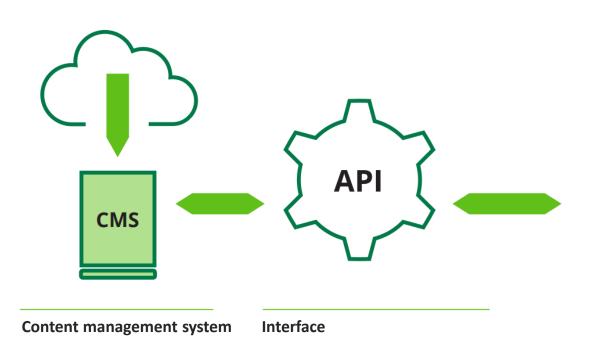


"With the new thinning schedules, forest owners can be offered a wider range of options, such as adjusting the profit target or emphasising carbon sequestration. This will bring advantages for forest owners who want to have more control over the development of their forests."

Kalle Vanhatalo
Coordinator of the Best Practices for
Sustainable Forest Management
Tapio

Application programming interface (API)

The Application
Programming Interface
(API) for the digital Best
Practices for Sustainable
Forest Management
enables the transfer of the
Best Practices directly to
other digital systems and
services in
the forest sector.



api.metsanhoidonsuositukset.fi



Data-driven systems and websites.
metsanhoidonsuositukset.fi

Best Practices for Sustainable Forest Management reflect Finland's forest policy

A common political will for forest management and the coordination of different political goals are an important part of the Best Practices for Sustainable Forest Management in Finland.

The Best Practices for Sustainable Forest Management are mentioned in The National Forest Strategy 2035.

"Best Practices for Sustainable Forest
Management are based on the newest
research information and practical
experience. They are a key part of the
implementation of Finland's National Forest
Strategy 2035 aiming at the overall
sustainability of forestry."

Erno Järvinen
Head of Forests and Bioenergy unit
Ministry of Agriculture and Forestry of Finland

Key messages

Best Practices for Sustainable Forest Management aim at overall sustainability

Best Practices for Sustainable Forest
Management aim to achieve the overall
sustainability and diversity of forest use.
The aim is to increase the well-being of
and from forests. Forest owners can aim
for overall sustainability in their own
forests or emphasise different
dimensions of sustainability according to
their values. The Best Practices offer
alternative solutions for forest
management and use. They describe the
economic, natural, recreational and
climate change mitigation impacts of the
different options.

The Best Practices focus on the forest owner and their objectives

The forest owner can choose from forest management options based on their objectives and values. The Best Practices support forest owners in setting their objectives. The Best Practices help forest owners to make decisions that are appropriate to the forest site. They are also an important tool for forestry professionals and forestry education.

The Best Practices are developed through a transparent, generally accepted and trusted process

The Best Practices are regularly revised to keep them up to date as new research information is available. Practical experience and objectives that are considered important by society are also taken into account. The Best Practices are conducted in broad consultation with forest, environmental and climate scientists, experts and data users. Tapio acts as an independent, transparent and participatory coordinator. The value of the recommendations comes from their use. It is important that the recommendations are easy to apply in different situations.

Best Practices for Sustainable Forest Management in Finland

Best Practices for Sustainable Forest Management offer alternatives for forest management and information on their effects.

The Best Practices take include all aspects of sustainability.

The Best Practices are provided by the **Ministry of Agriculture and Forestry** as a service for Finnish forestry. **Tapio** acts as an independent, transparent and participatory coordinator.

Economic value

Recreation



Nature management

Climate actions

Best Practices for Sustainable Forest Management guide forest owners towards their goals in practice, put the latest research data into practice and complement laws and certificates.













