

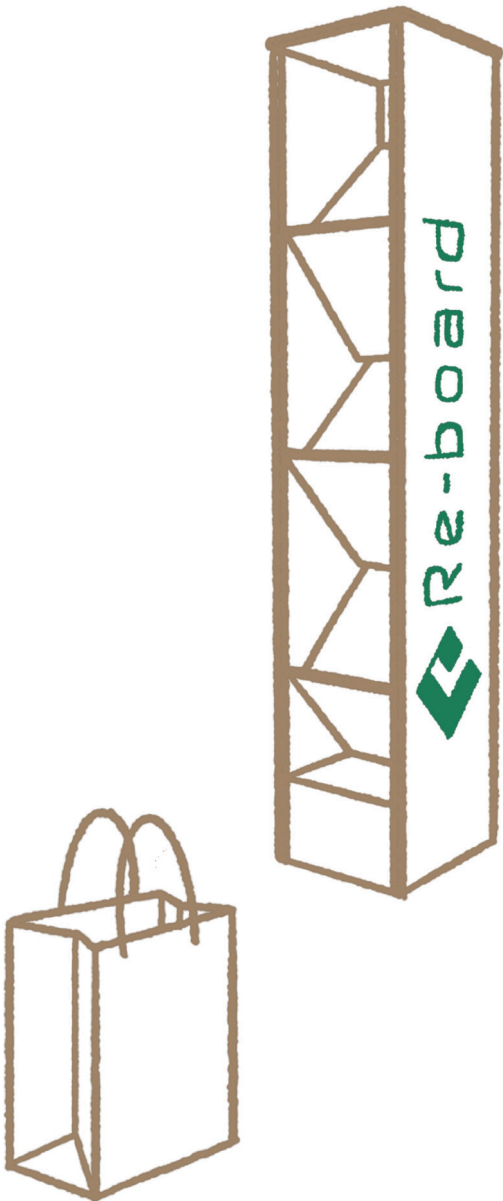


The fibre story

How many times can you recycle Re-board?

Fresh fibres from the Nordic Forest maintain their very high **recyclability value** and can be recycled 5 to 7 times. This means you can produce 5 to 7 different paper products before the fibre is worn out.

Recycling mills across Europe and around the world rely on fresh paper fibres from the Nordic forests to replenish their production. By continuously adding fresh paper fibres to their process, they can ensure the circularity of the raw materials and support businesses in adopting a circular economy. All recovered fibre products have started their life as a fresh fibre.



The Re-board fibre

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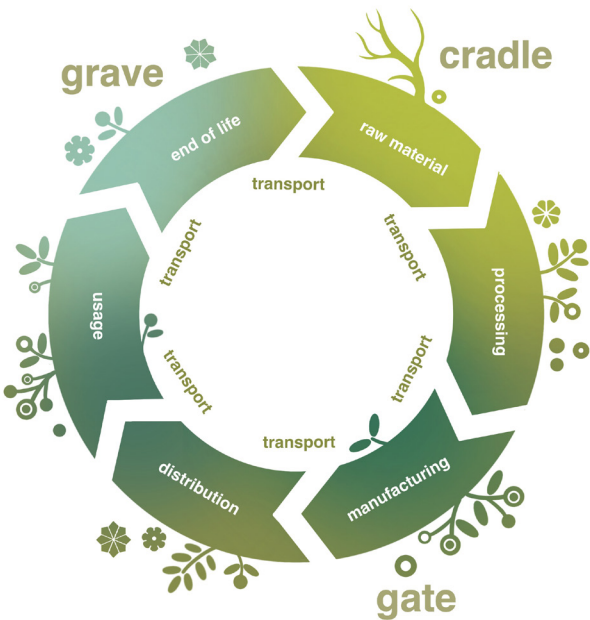
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Paper fibres and the circularity wheel¹



CRADLE

Born in the forest, the fresh Re-board fibres start their new life as Re-board raw material.

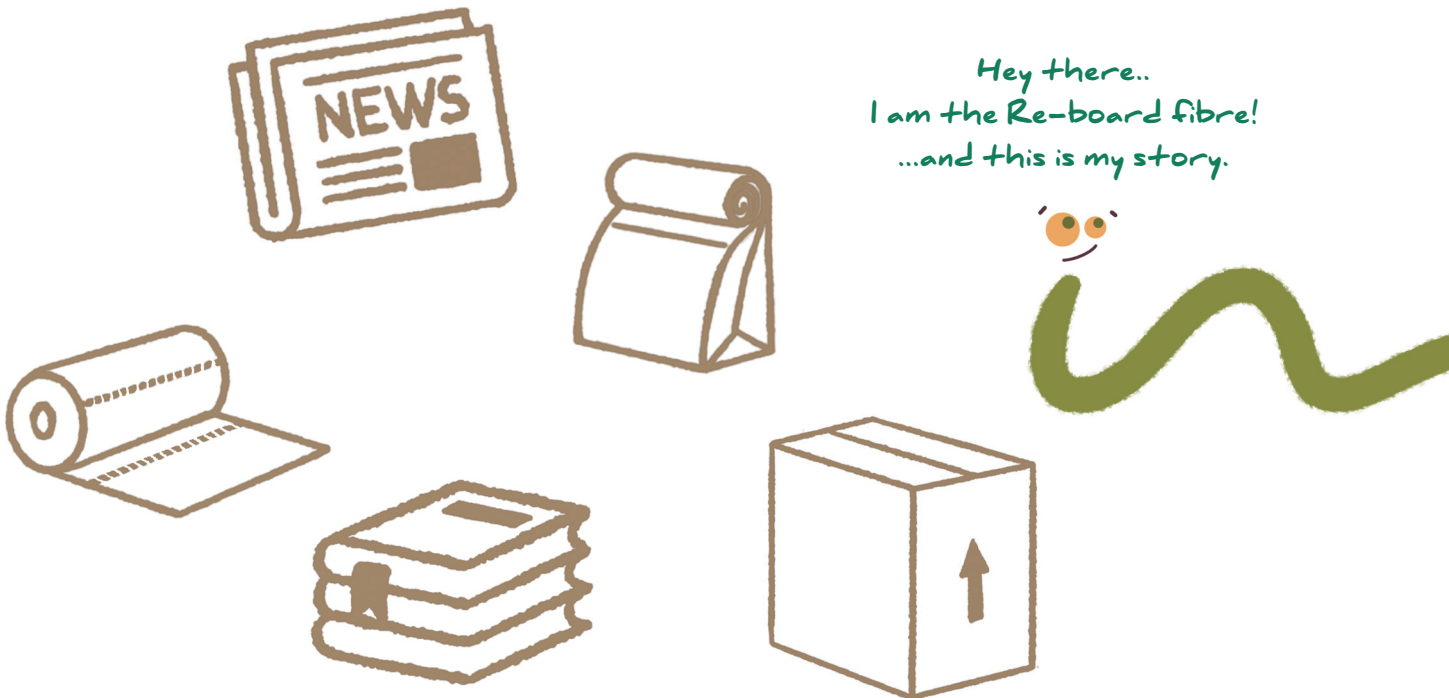
CRADLE TO GATE

Wood is processed into pulp which is then turned into paper, often by a papermill close by. The paper then becomes Re-board paper core board. When the board is ready to leave our production facility it is at the “gate”.

CRADLE TO CRADLE

After use (and reuse) the Re-board paper product has served its purpose and is recycled as paper.

Then repeat. Many times.



¹ Circularity wheel for the Re-board fibres life cycle, by Re-board Technology

The Nordic forests

The Nordic forests – where our renewable materials grow

This is the home of our Re-board fibres, the cradle where they are born. A large belt of forests stretching from Norway to the east, across Sweden and Finland. These slow-growing forests produce strong fibres that suits Re-board well.

The forest is a source of renewable materials

In the Nordic countries, forest management is governed by “the Forest Sustainability Act”. It states the demand the society has on the forest owner.

These policies were established more than 100 years ago, based on tradition, science, and generations of knowledge about the different forests and the many habitats that are fundamental to this environment. 75% of the Nordic Forest are being actively used and 25% is preserved for biodiversity.²



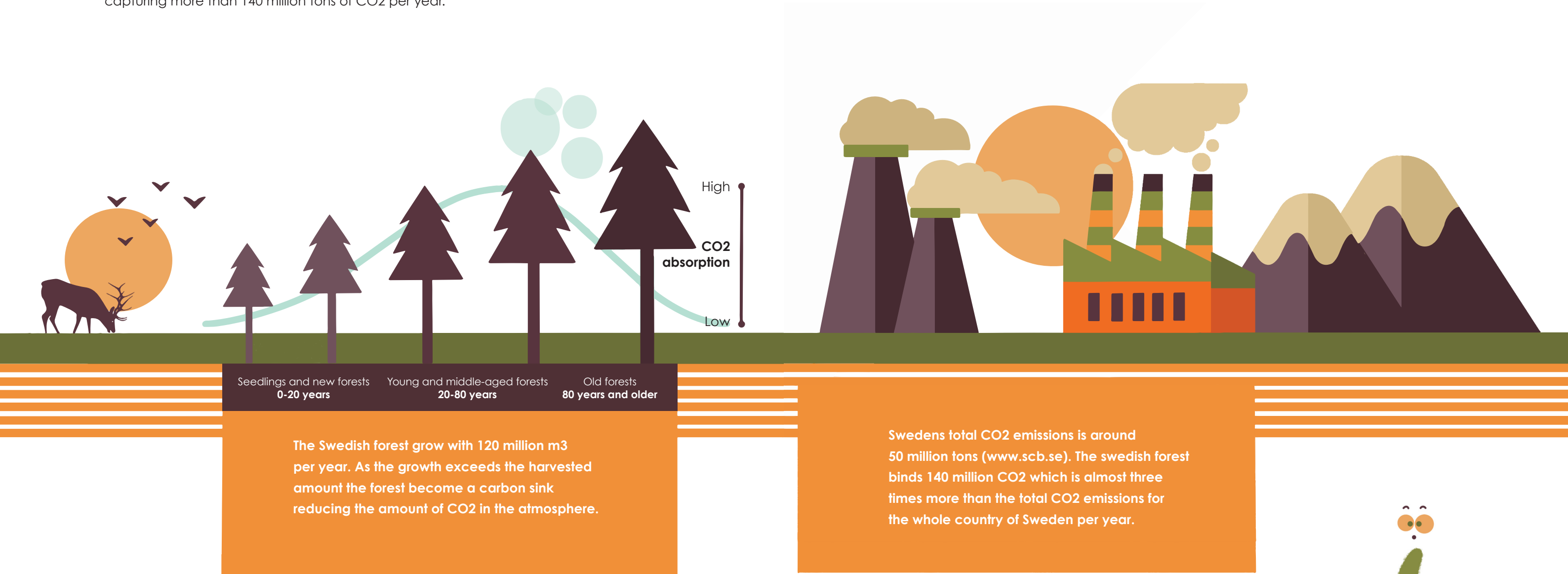
The Nordic Forest is increasing year on year. For every tree which is felled, two or three new ones are planted. Re-planting is the foundation of a sustainable forestry. Today 70% of Sweden is covered by forests. That is nearly twice as much as 100 years ago.

The forest is a source of renewable materials, but only if we continue to take care of it. Sustainable forest management is the only way we can continue to use the forest resources while protecting the incredible biodiversity of this ecosystem.

A massive store of carbon dioxide

When a tree absorbs CO2 it stores carbon dioxide inside it, and the more the forest grows, the more CO2 it stores. The growing Nordic forests is a massive storage of CO2, capturing more than 140 million tons of CO2 per year.

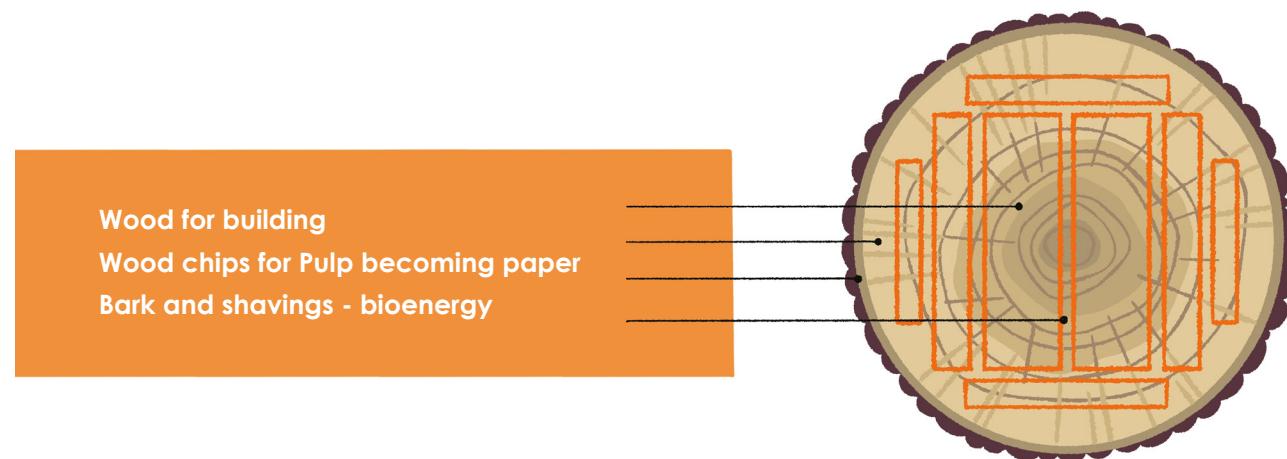
The forest based products continue to store CO2 even when they are turned into a wooden house or a piece of paper! ³



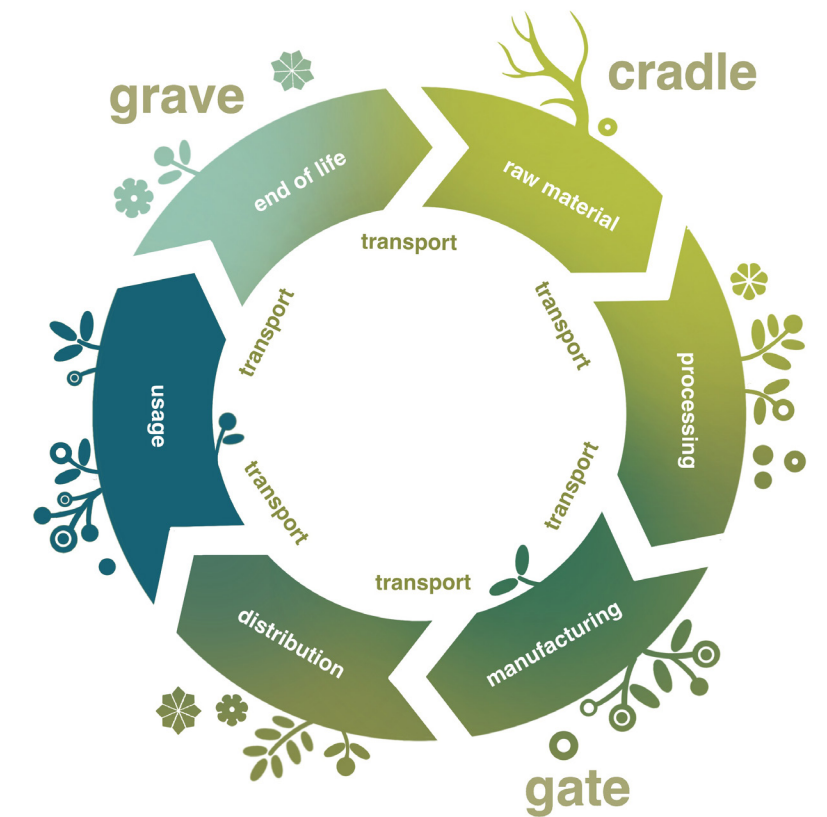
³ Skogsindustrierna (www.skogsindustrierna.se)

Paper: a by-product of the Forest industry

Trees are felled to make construction materials such as timber. The full tree trunk can't be utilized for timber, instead, any part of the tree that can't be used is transformed into other pulp products for example paper. The utilization of the full tree trunk is great because it means nothing goes to waste. Around 50 % of the tree goes to timber, Where the width of the tree trunk determines how many planks can be sawn. The remaining part goes to pulp mills with exception of 5-8 % going to bioenergy. ⁴



Protecting the fibre



Eco design with Re-board

Protecting our valuable paper fibres is the key. A strong, clean paper fibre maintains its recyclability value and ensures that it will be fit for the next paper product - and the next, and the next! This is how we use the paper fibre to its full potential. To help designers apply the principles of eco design we have provided some guidelines and useful information below.

A new role for designers

We believe the new generation of designers will make the most visible impact on the design of tomorrow. They will have new materials to choose from that offer recyclability, low emissions and reusability. It will require skills and practice to fully understand and make the most of the properties of these new materials, and to apply the right combination of them for each specific application.

Re-use before recycling

Re-use ensures that materials can serve many proposes before they are eventually recycled into new products. What about a reusable expo stand, one that can serve different expos, or perhaps become a Pop-up store or a lobby decor as a second use. Re-board travels flat packed as a material and as a product. A high value re-use plan for a high-impact design can support marketing plans, optimise use, and help budgets stretch further.

Eco design tips for the designer

- The best designs are always done with a precisely defined aim. Re-use options and end of life management should be part of these aims.
- Optimize the material size for the final product and ensure efficient layout and nesting.
- Only laminate the parts that need it for practical reasons.
- Choose printing processes that optimize the use of resources.
- When adding ink, paint or colour ensure it is easily removed with the standard bleaching agents used in paper recycling processes.
- When using screws or building with other (non-paper) materials, ensure that different materials can easily be separated before recycling.
- When you need to use glue, use adhesives that can be easily removed from paper in recycling.
- When sending to recycling (including production waste) always flat pack the paper and don't tear the fibres unnecessarily –preserve/save as many as possible so they don't go to waste.
- Remember, when working with any kind of paper, always use it in a way that the fibres can be reused and transformed into another high-quality paper product.

Recycling Re-board

Re-board is 100% recyclable. Re-board can also be recycled with UV printing and other finishing effects, including thick laminations. However, we recommend you always follow the eco design advice. Recycling technology and capability can vary from country to country, so make sure you work with a recycling provider that knows paper fibres. The effectiveness of recycling (separating the paper fibres from colour and other materials) depends on the recycling technology used.

Re-board TECHNOLOGY

Re-board® Technology is the manufacturer of **Re-board®**. The original innovative, sustainable rigid paperboard. Based in Sweden, we work with our global print partners and distributors to offer impactful design solutions for display advertising, point of sale marketing, retail and for exhibitions and fairs.

*Thank you for reading
I look forward to work
with you!*



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