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DYNAMIC PRODUCTION FORESTS

DESIGN OF THE URBAN FABRIC
GERDY VERSCHUURE-STUIP, ALEXANDER WANDL

WOODN'T YOU LIKE TO GROW A HOUSE?

This project shows three types of production forests that differ in accommodating five aspects that are valued in forests: production, recreation, biodiversity, climate resilience and experience of landscape. This way a new idea can be formed on how forests can be productive, while also providing space for animals and humans in the Netherlands.

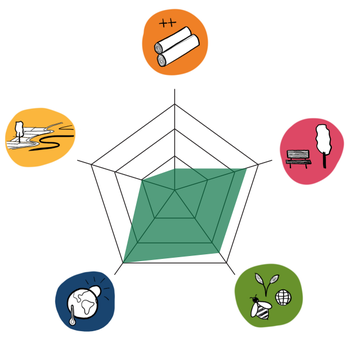
RESEARCH QUESTION

How can a sustainable and multifunctional production forest be designed in the Netherlands?



THREE TYPES OF PRODUCTION FORESTS

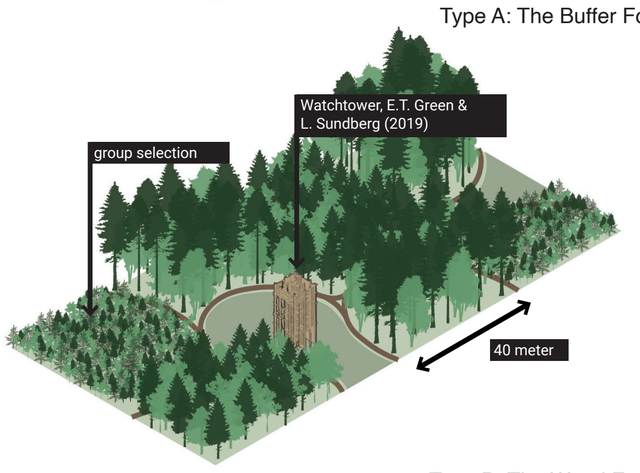
The three types of production forests show how forests can be organized and, at the same time, to what extent they can accommodate the aspects: production, recreation, biodiversity, climate resilience and experience of landscape.





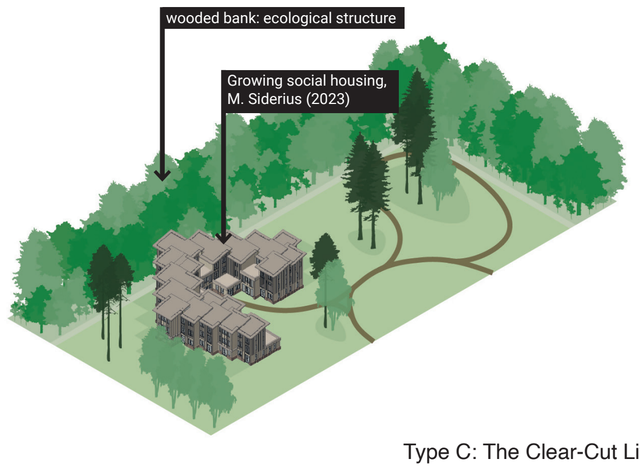
Type A: The Buffer Forest





Type B: The Wood Factory

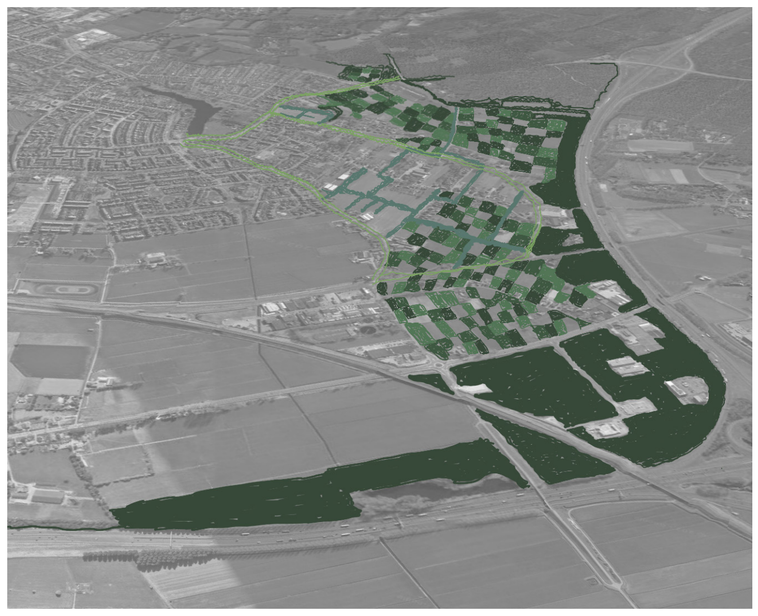




Type C: The Clear-Cut Living

THE WOOD FACTORY AFTER 125 YEARS OF DEVELOPMENT

Impression of forest Type B: The Wood Factory after 125 years. Recreation and harvest by group-selection management go hand in hand. The trees that grow here are the Douglas fir, Scots pine and Birch in order to establish a healthy group.

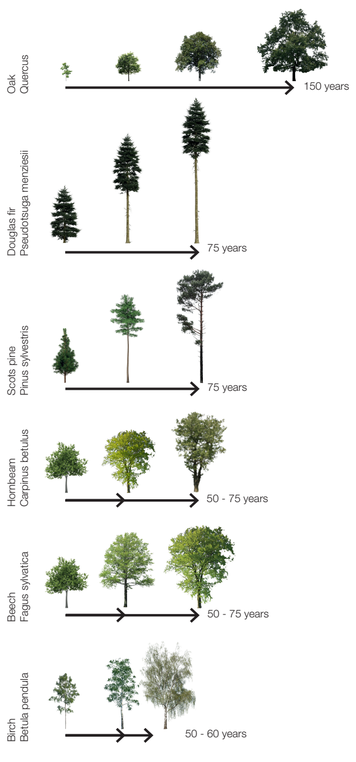


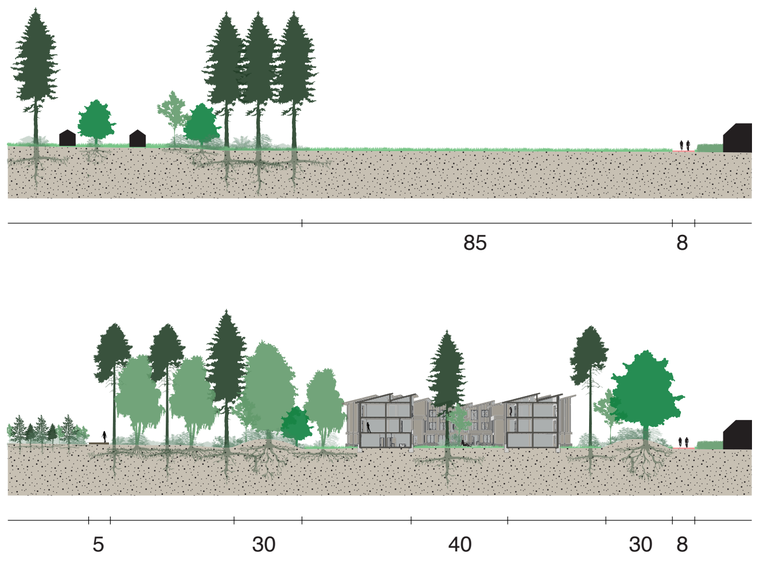
HATTEM AS DEMONSTRATION LOCATION

The current nitrogen crisis and the expected buy-out of farmers who run intensive cattle farms around Natura 2000 areas, will be used as a starting point for the design location.

This image shows how the three types of production forest could form a patchwork of forests together all around and into Hattem.

The eco-corridor, part of Type C: The Clear-cut living goes all the way from the Veluwe to the IJssel, connecting two Natura 2000 areas.





GROWING SOCIAL HOUSING

With the wood harvested from the production forest a new way of living can be explored. The wood that is at the end of its life cycle, such as shingles after 20 years, can be returned to the forest and feed the soil.