



SPRUCE

Saving trees



10,000,000 hectares of
trees being destroyed
every year



137 species going extinct
per day due to
deforestation

The Problem

The destruction of trees and our environment.

Deforestation has overwhelmed many once beautiful areas and national treasures – such as the Amazon Rainforest. This permanently destroys ecosystems, as the soil never regenerates enough nutrients to sustain normal trees. Deforestation also robs the planet of the natural carbon consumption of trees. For every 10 years of deforestation, **201 gigatons** of carbon emissions are released into the atmosphere.

Our Solution

Revitalizing the earth and the ecosystems at the same time.

Spruce is centred around using genetic editing and directed evolution to regenerate entire ecosystems and forests that have been laid to waste by deforestation. By creating trees that grow quickly in the harsh conditions of deforested soil, we believe we can revive entire habitats, ecosystems, and bring beauty back to all that which has been seemingly destroyed irreversibly – all while soaking up carbon emissions from the atmosphere.

| Our goal is

The Process

| Conclusion Sentence