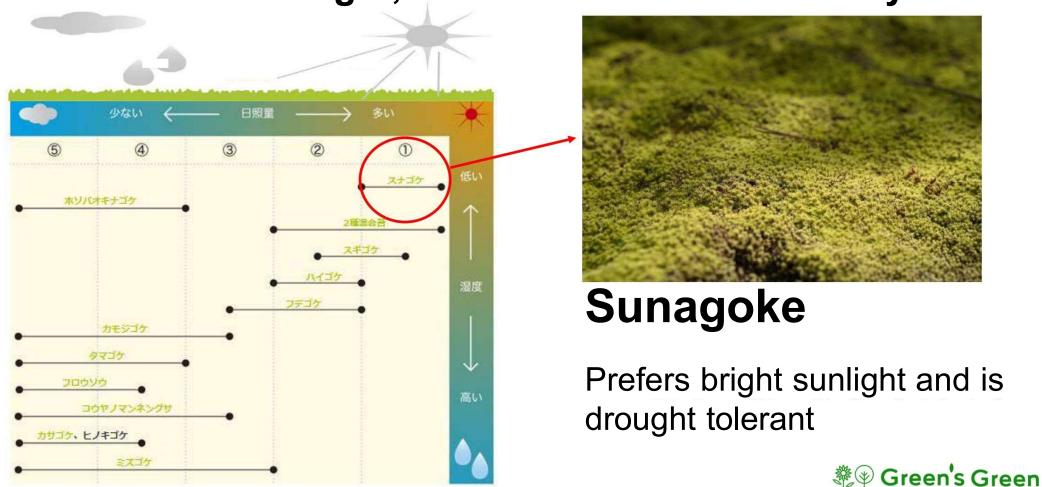
Different types of moss grow depending on the brightness or darkness of sunlight, and the amount of humidity.



### Based on the knowledge of a medical doctor and moss researcher,

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佐藤征也

Seiya Sato







乾燥に強く、濡れると花が咲くように広がります。



#### Mosses are epiphytic plants,

#### Instead of having roots, they have parts called adventitious roots.





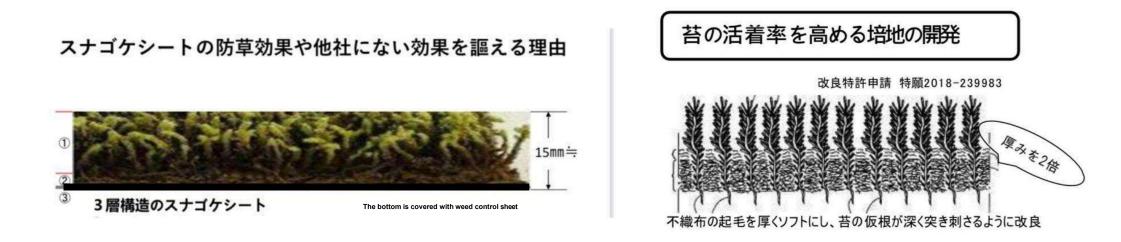


A technique that utilizes the characteristics of adventitious roots to grow moss on various materials

It is possible to grow crops in sheet form without using soil, which also makes it lighter.



### This method allows the moss's rhizoids to penetrate the medium, preventing the moss from falling off and becoming detached.



The weed-control sheet is heat-pressed onto the backing of the vegetation sheet that serves as the medium.

UV rays are blocked from reaching the weed-control sheet lining, ensuring a service life of 30 years.



### Moss sheet cultivation technology for large, long sizes (width 1m x length up to 50m)



It can be shipped rolled up, is lightweight and easy to process.



#### The biggest feature of Sunagoke Sheet is that it requires very little maintenance.



During the day, it dries out and stores water inside its body, and when it gets wet, its leaves instantly open up.

No watering required; can survive in summer with natural rain and humidity

No fertilizer required, just sunlight and rainwater

No soil required, clean, very light and exportable

No need to trim, leaves do not grow too long even when growing

Sunagoke moss is gaining attention as a greening material.



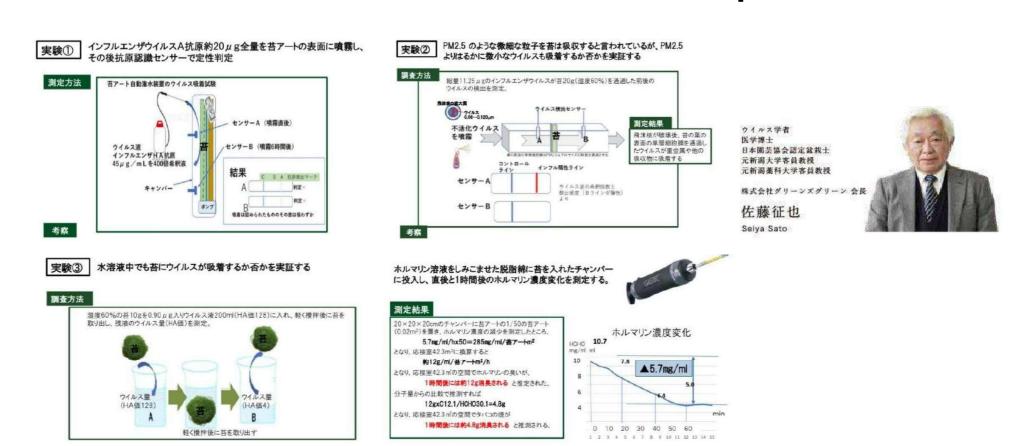
## Moss absorbs heavy metals from the atmosphere and performs photosynthesis



Approximately 50% of the dry mass of moss is CO2 fixation.



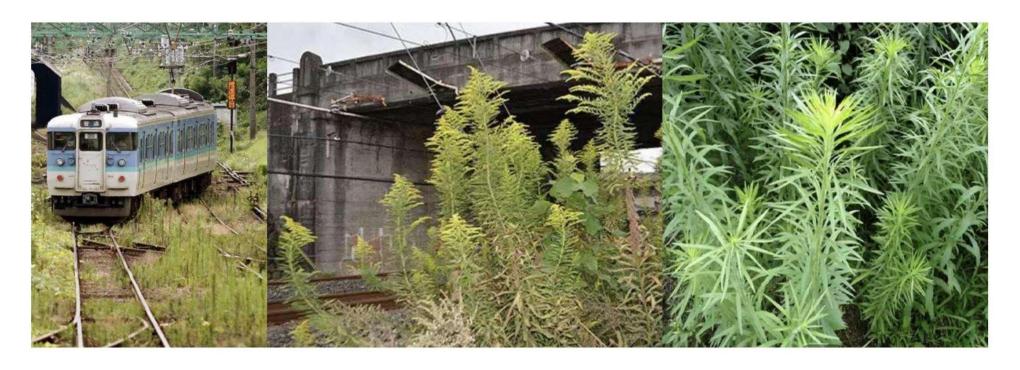
#### Moss has been shown to adsorb and decompose viruses.



Moss has also been shown to have deodorizing properties.



# The worsening weed problem in companies: the impact of global warming

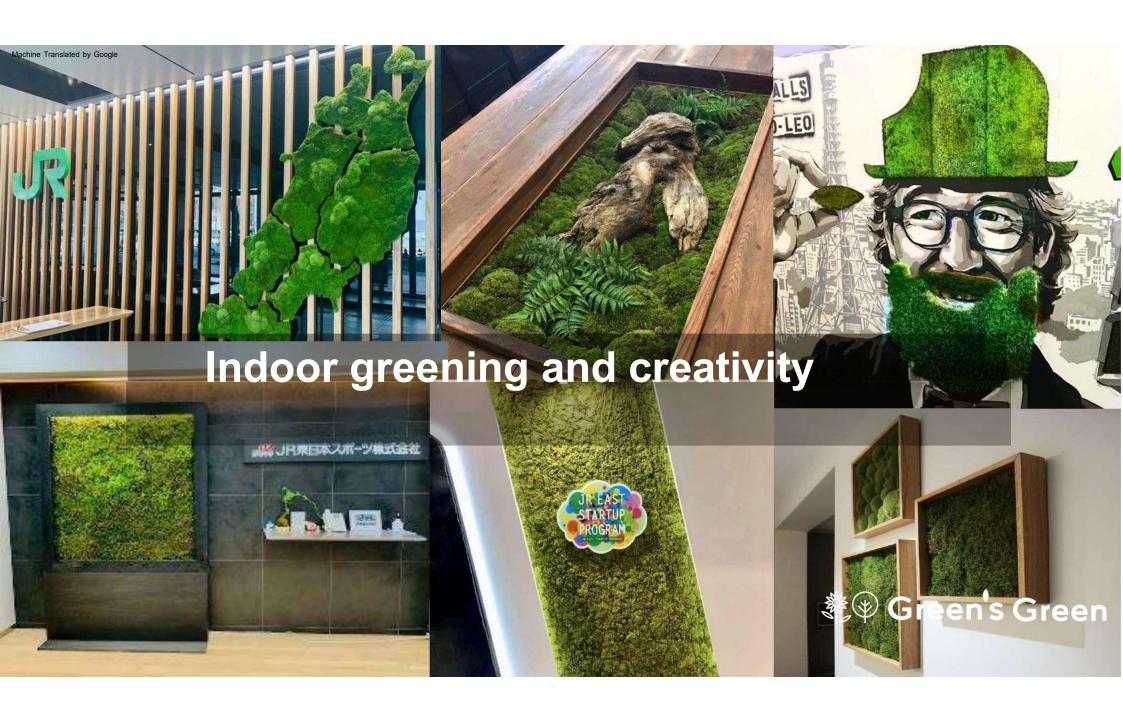


Weed control costs are huge













### Utilizing abandoned farmland, unused land, and land beneath solar power plant panels











Monetizing unused land by cultivating moss





#### Moss cultivation and management leads to agriculturalwelfare collaboration and employment of young people in agriculture.











Moss cultivation is a job that even people with disabilities can do.



#### Thank you for your attention.

