

Kingfisher News

As we enter December, the temperature suddenly drops. Cold air masses in Siberia also frequently move southward due to meandering westerly winds, causing heavy snowfall in various areas along the Sea of Japan. In areas such as the Hokuriku and Tohoku regions, cold air collides over the Sea of Japan, making it easier to form snow clouds. As a result, the amount of snowfall is several times higher than usual. In addition to the impact on people's lives, we are also concerned about the impact on the transportation network responsible for logistics.

Topic

We made new panels (3)

This time, it's "Let's plant trees in the city!! (2)".

We also created a panel called "Let's plant trees in the city!! (1)", but we introduced it in the first edition of Kingfisher News, so we'll omit it here.

The "Atmospheric CO2 Removal Device" produced by the corporation is a device that uses sunlight to raise microalgae (euglena) that perform photosynthesis, and removes CO2 by blowing air into it. As you can see from the graph, the CO2 concentration in the treated atmosphere started to fall when the sun came out, reaching a value of about 100 ppm at 2:00 and 3:00 pm. (1 ppm is 1/10,000th of a value. In other words, 10,000 ppm is 1%.) Since the CO2 concentration is about 500 ppm when the sun is not out, it can be said that it has decreased to about one-fifth. Calculations have shown that if these devices were operated for one year, approximately two units would be equivalent to the absorption capacity of one 40-year-old Japanese cedar, which is said to have the highest CO2 absorption capacity among coniferous trees.

The world is always talking about decarbonization, renewable energy, and reducing CO2 emissions, but we also want them to think about removing CO2 from the atmosphere itself.

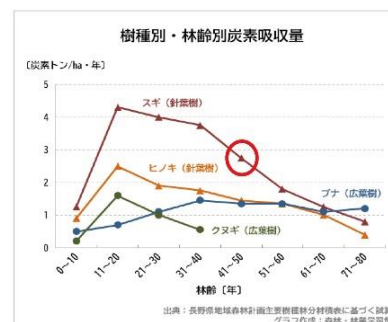
街中に樹木を植えよう!! (2)

「大気中CO₂除去装置」の能力

法人で制作した「大気中CO₂除去装置」に大気を吹き込んで、出てきた気体中の二酸化炭素濃度を測定すると、夜中に600ppm近い濃度だったのが、日中は光合成により二酸化炭素が消費され、午後2時、3時頃には100ppm近くまで低下しました。



この装置に毎分30Lの大気を吹き込んで1年間処理すると、この装置約2台で40年生のスギ(針葉樹)1本分の二酸化炭素吸収能力があることが分かりました。



特定非営利活動法人 Kingfisher Environment NGO

Activity Schedule

The 17th Global Warming Prevention Panel Exhibition:

April 7-20, 2023 Fuji Grand Midorii 5th floor Gallery "Passage"

Activity report

The 16th Global Warming Prevention Panel Exhibition:

September 1-13, 2022 AEON Mall Hiroshima Fuchu 3rd floor Baby Garden

