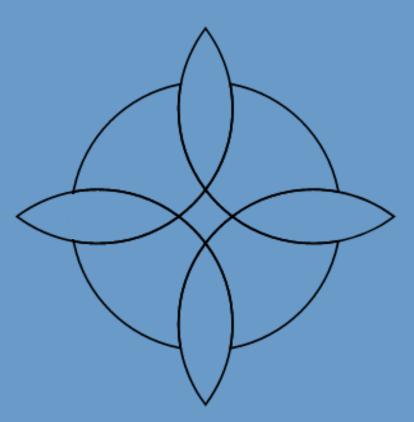
Haiku (Sciku) for COP26







A series of Haiku (Sciku) from the CANN project



HAIKU FOR COP26

scientific syllables

Contents



- P1 About Scientific Syllables (Sci-ku) project
- P2 A Haiku-a-Day
- to originally tweeted
- P32 daily in the run up to COP26
- P33 Bonus Haiku
- P38 About the CANN project



About Scientific Syllables

What is a haiku?

A haiku is a type of Japanese poem made up of 17 syllables (morae) in three phrases (5, 7, 5). Haiku traditionally tend to be associated with nature, have a seasonal reference (kigo) and contain images of juxtaposition with a cutting word between them (a kireji).

Throughout both traditional and modern haiku these rules have all been broken (sometimes all at once).

What is a Sciku?

Sciku * is a portmanteau word for scientific haiku, the structure of haiku with science and mathematics as subjects. However, given haiku's traditional association with the natural world, it isn't an especially great leap to get to the scientific topics of sciku.

Trying to obey traditional haiku rules and convey the essence of a scientific finding is tricky. So here we have followed ideas at The Sciku Project that is our inspiration, maintaining the 17 syllables and line structure but maybe not upholding the other traditional rules.

*https://thescikuproject.com

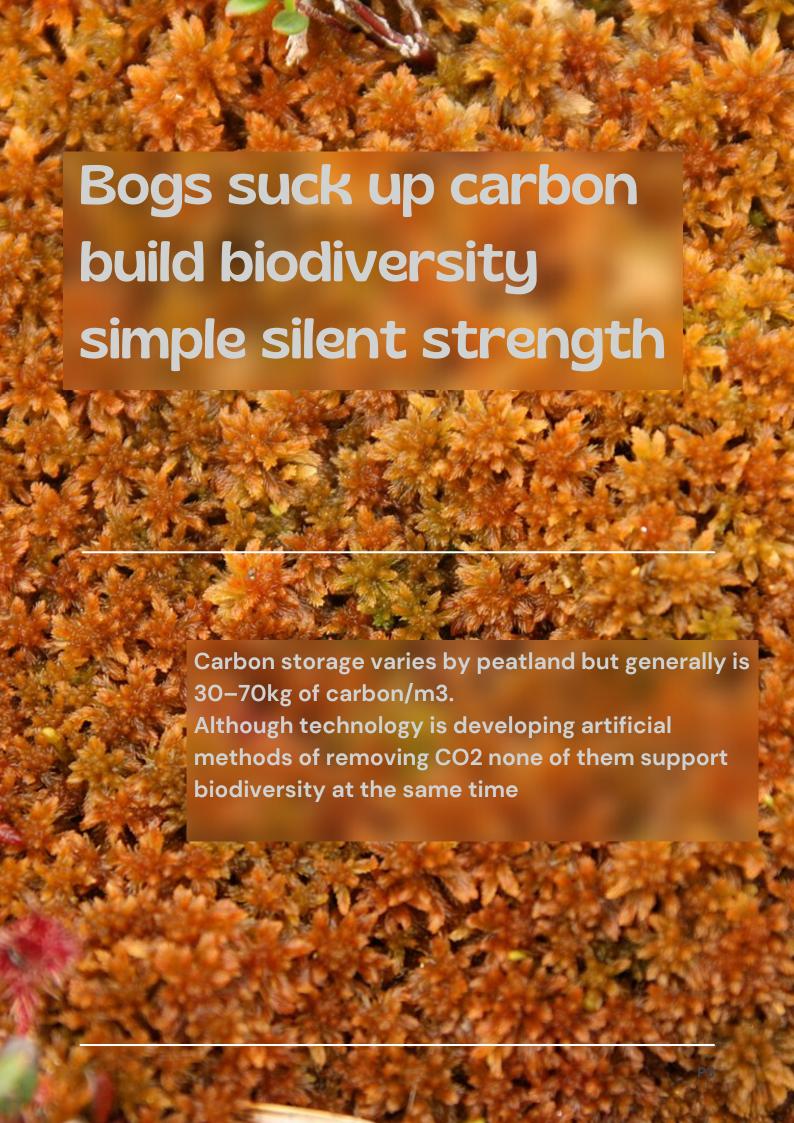


The Arts have a huge role in communicating science to non-scientists and can be a valuable bridging tool in helping to interpret scientific principles.

The Haiku or Sciku is short and sweet. Anyone can write one, but trying to distil scientific principles and messages into this most concise mode of communication brings a rigorous discipline to the work that appeals to scientists. Haiku's brevity is also ideal for Twitter with its strict character count, so the CANN project decided to celebrate COP26 by tweeting a Haiku-a-day on the subject of peat's role in combating climate change in the run-up to the meeting in November 2021. A brief explanation of the science behind the haiku was also given in 180 characters or less



Thin gossamer cotton heads swaying in the summer breeze are an archetypal plant of an active healthy bog busy sequestrating carbon

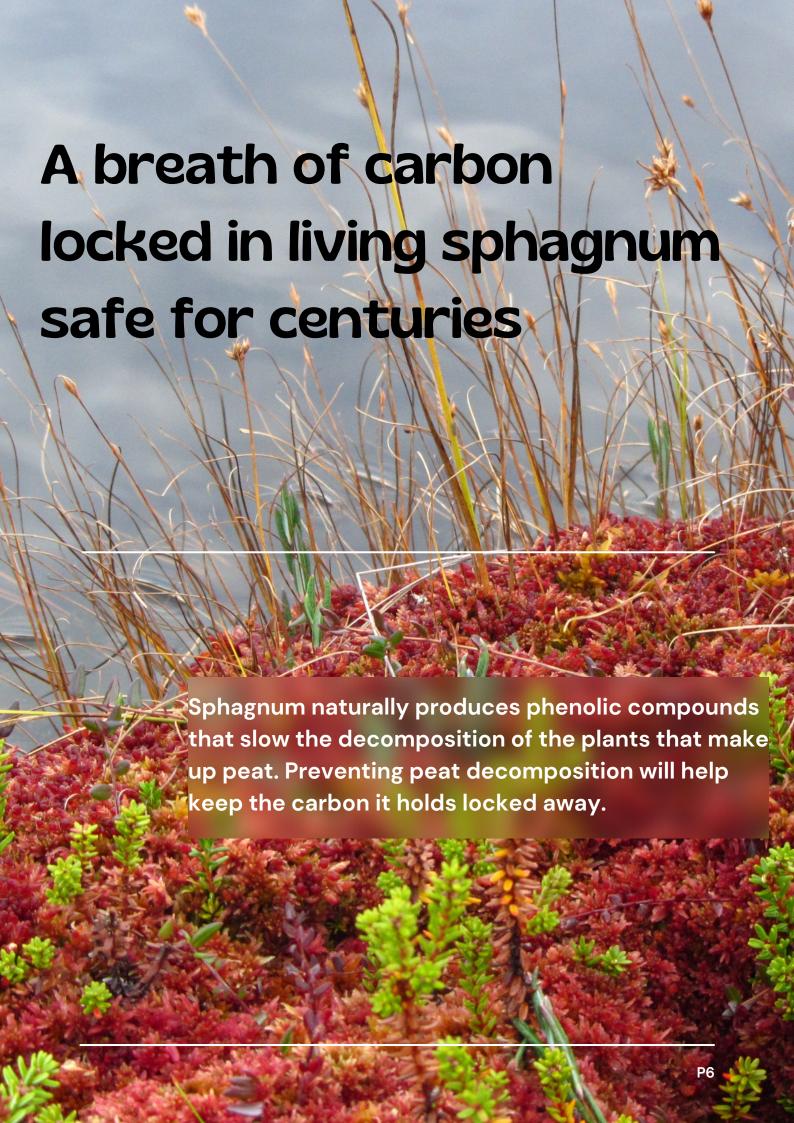


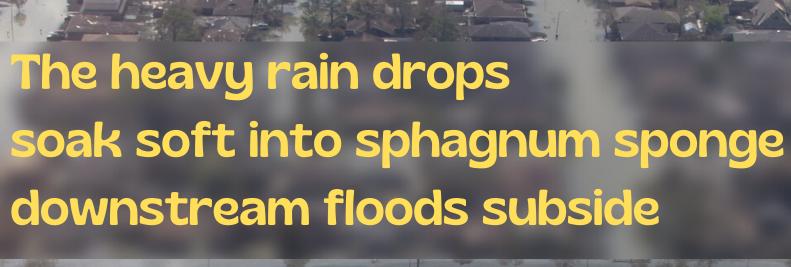
Piezo measuring the living blood of the bog Is it bleeding out?

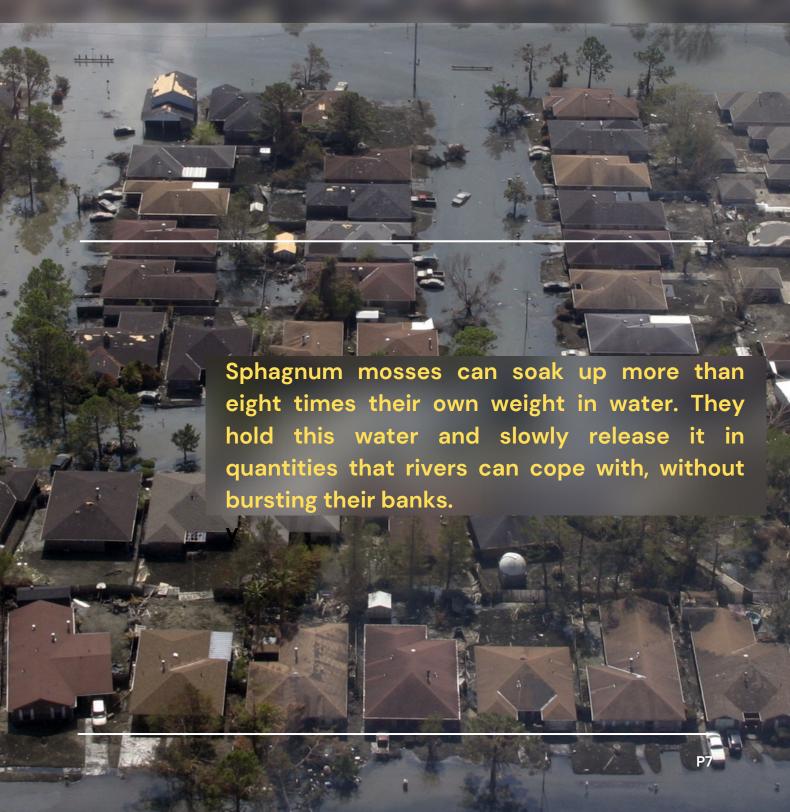
Our piezometers measure the height of the water table on the bogs we manage and ultimately tell us how well our re-wetting is working. Water is the living heart of the bog.

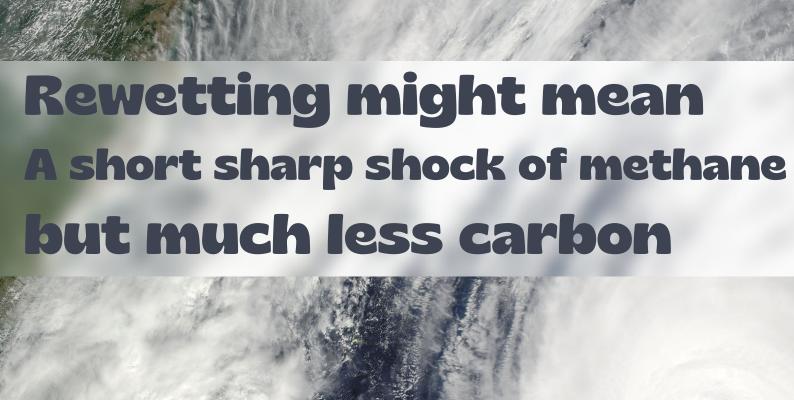
Deep and damaging or a rapid, shallow burn Fire scars last lifetimes

Fires on bogs encourage the growth of firetolerant and even fire-stimulated plants that grow better following a fire. This change of vegetation is a permanent scar long after the ash has washed away.

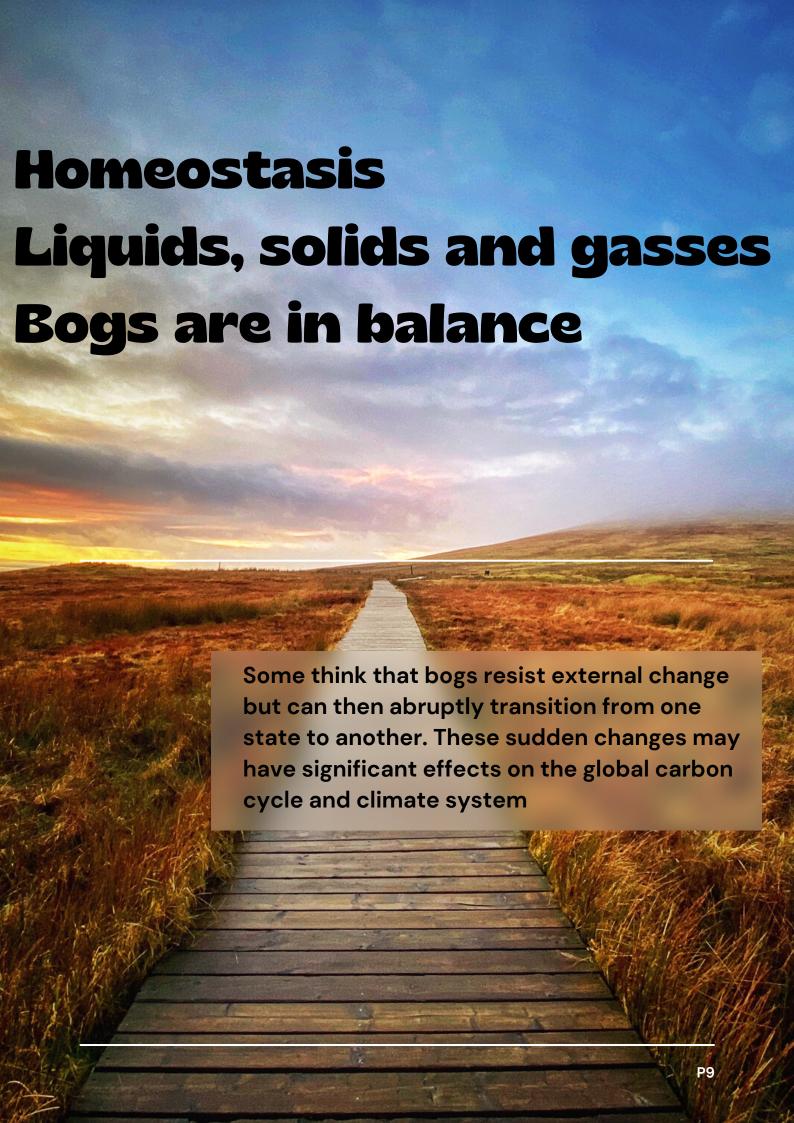








Rewetting \downarrow CO 2 emissions, but \uparrow CH₄ emission: a weak persistent effect from CO2 vs a strong but short-lived effect of CH₄. But in the long term rewetting reduces overall GHGs. Warnings of CH₄ emissions from rewetting are unjustified.



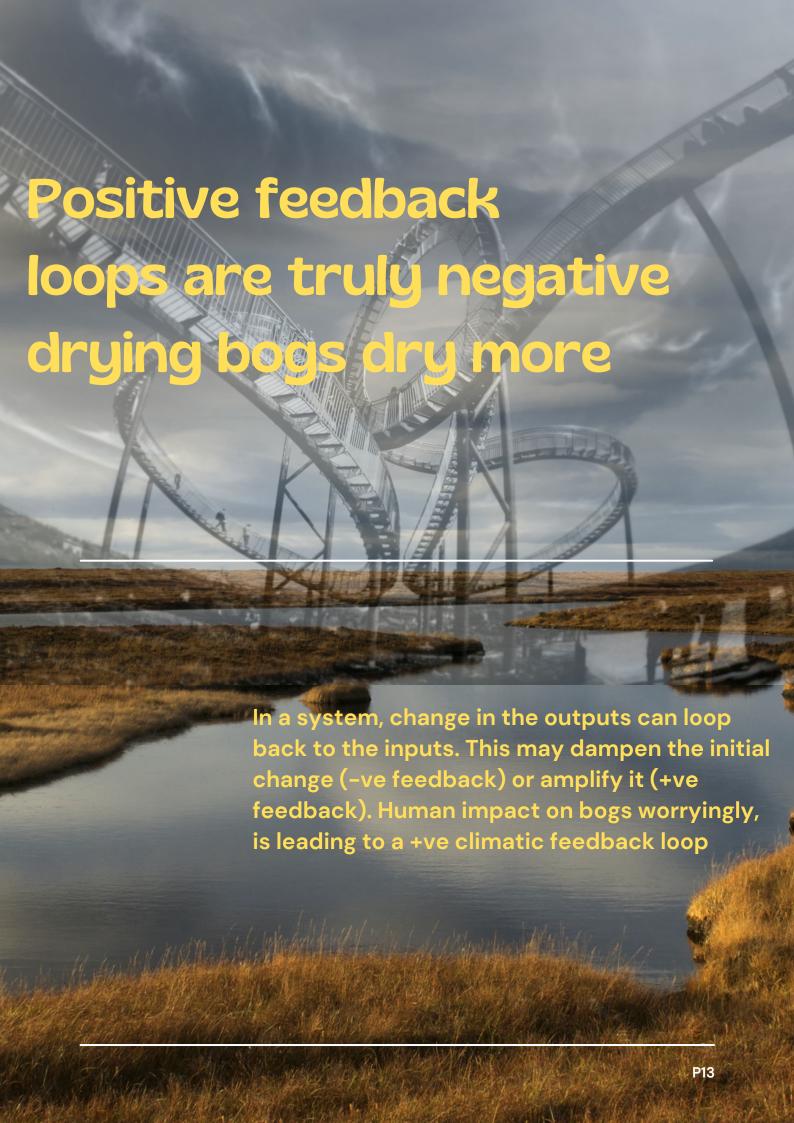


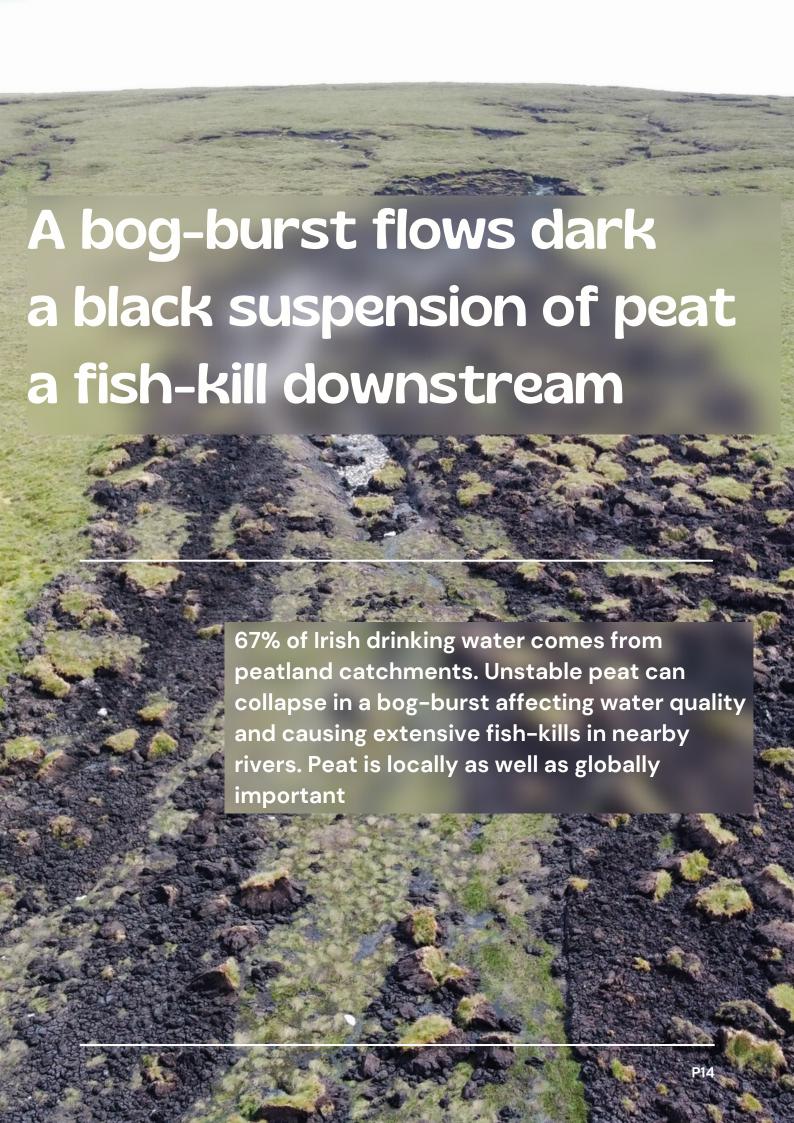
Raised bog balancing A droplet on the landscape Surface tensioned curves

A raised bog often has a water table perched higher than the surrounding land, which can be hard to understand unless you visualise it as a water droplet perched on the land. It is delicately balanced, and that balance can shift.

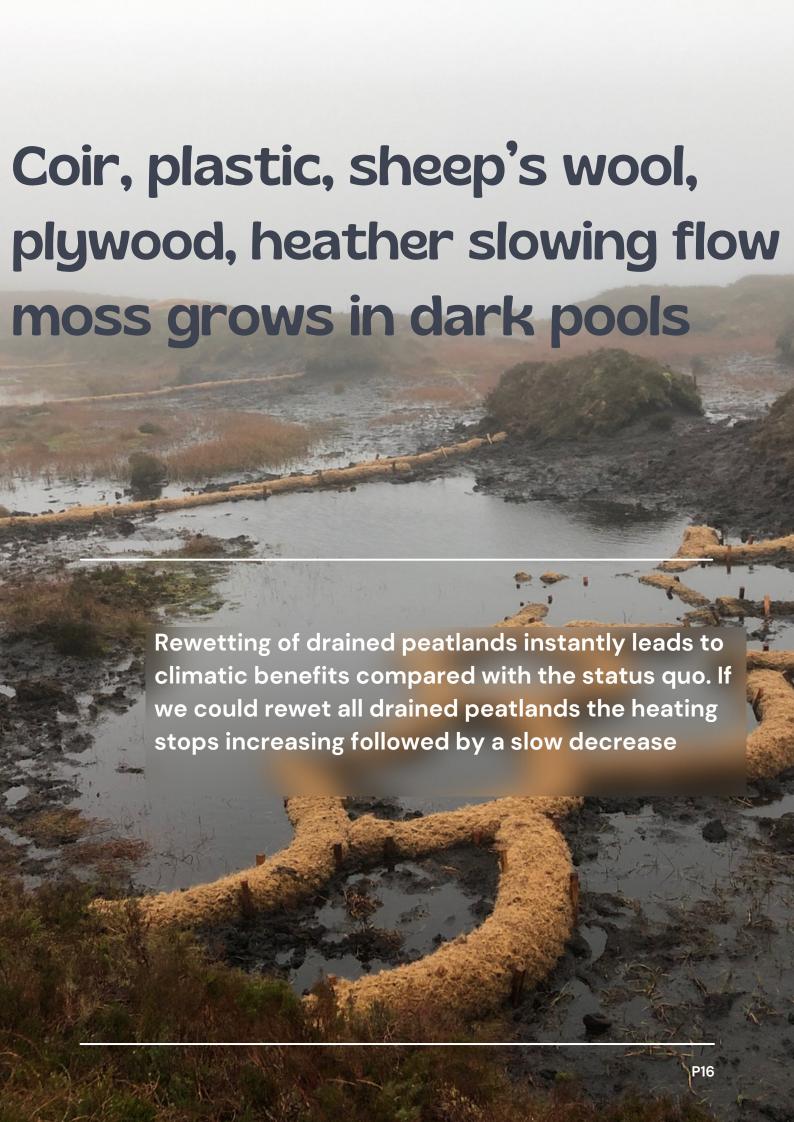
If bogs can preserve butter, boats, even bodies, carbon is easy

The highly acidic peat acts as a remarkable preservative, leaving the clothing and skin intact, and creating poignant and memorable images of people of the past. Carbon trapped in plants is preserved in the same way.





















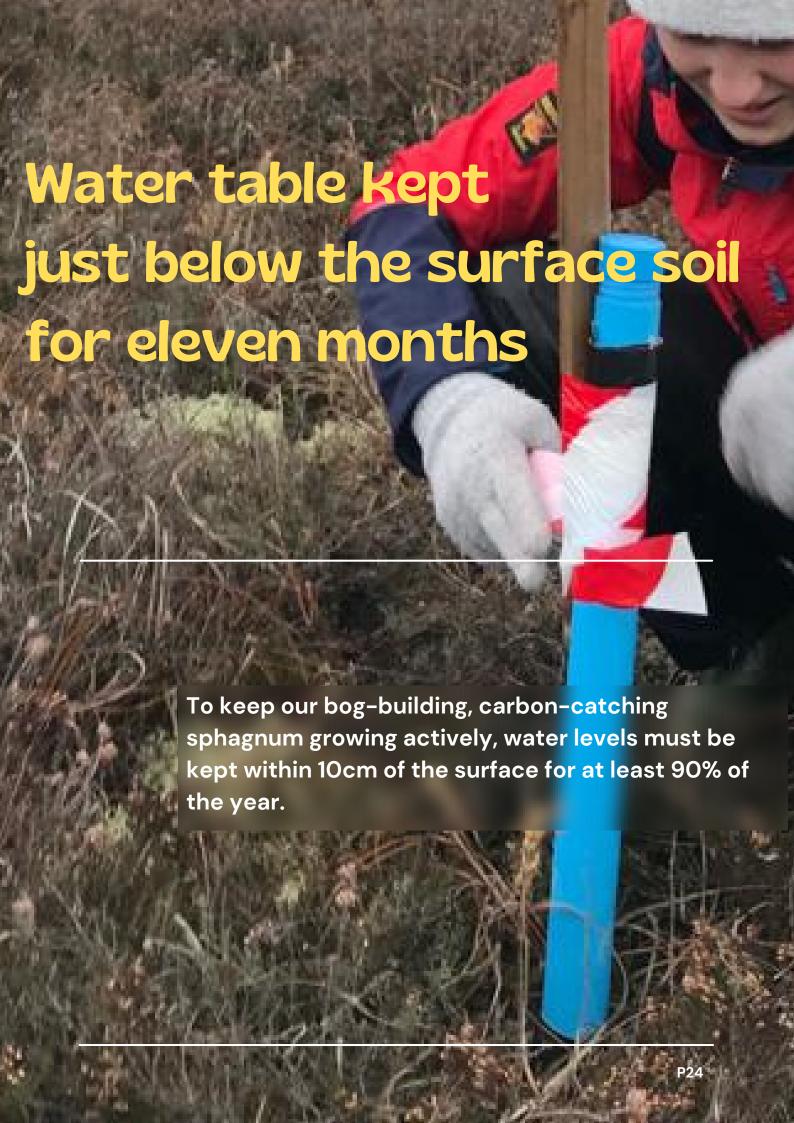


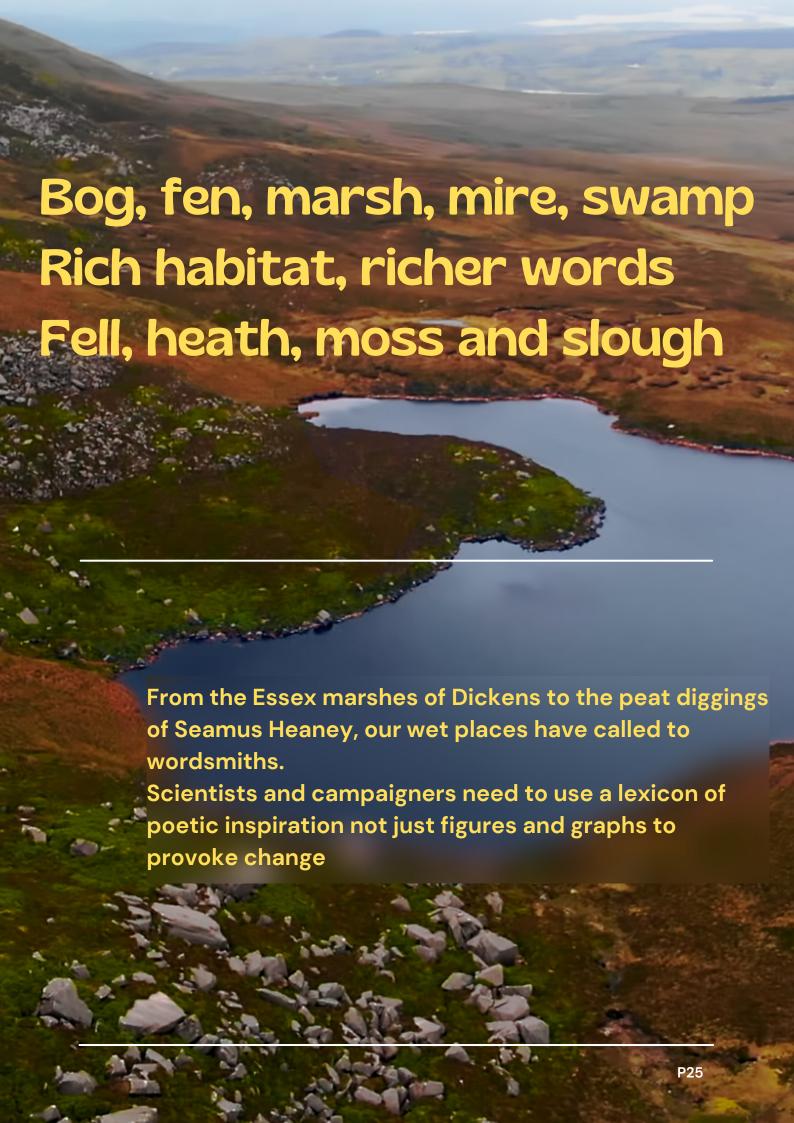


written by the ACT team

The pollen grains of every plant are unique and their walls of sporopellenin are tough and can last thousands of years in peat. We can tell which plants grew when and map past climate change in peat.















Shinrin Yoku is the Japanese art of relaxing forest bathing. Being outdoors, whether in forest or bog, is good for mind, body and soul. Being in nature reduces anger, fear, stress and the cortisone hormones that go with these emotions



A study showed that one year following re-vegetation, the magnitude of the avoided loss of carbon from areas of bare peat will be 37 times that of the GHG emissions produced through undertaking the work, including use of helicopters.





Are Sci-ku for you? poetry and science melds to change hearts and minds

This is the last of our madcap tour through our peaty Sci-ku (Haiku for Scientists) in the run up to the UN Climate Change Conference. We hope you enjoyed their slight twist on peatland science and climate messages

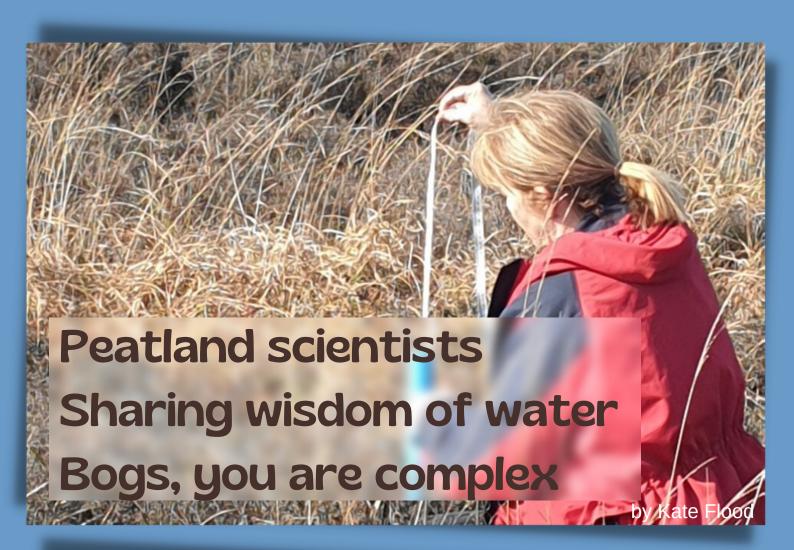
Bonus Sci-ku sent in by Twitter followers

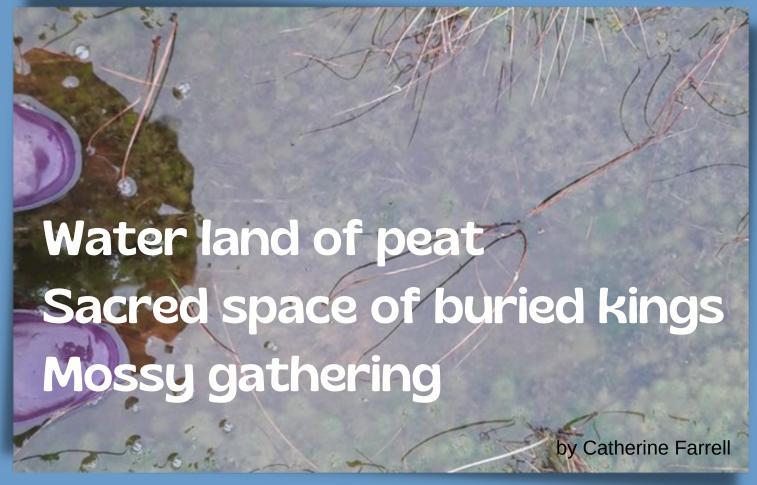




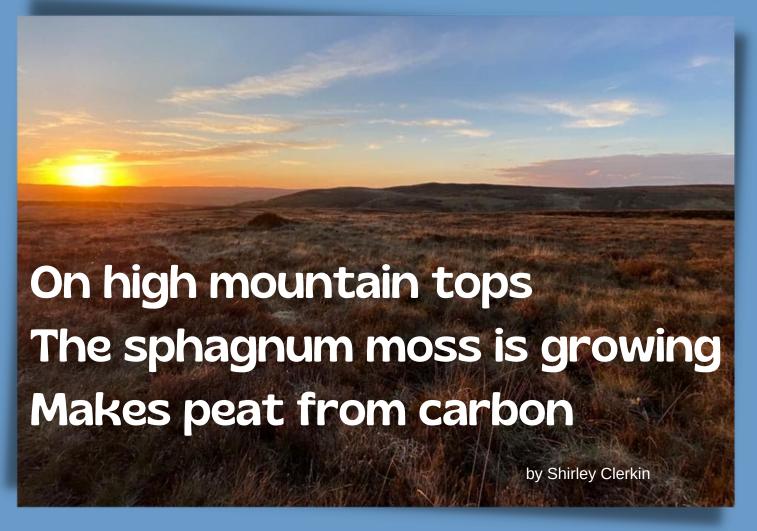


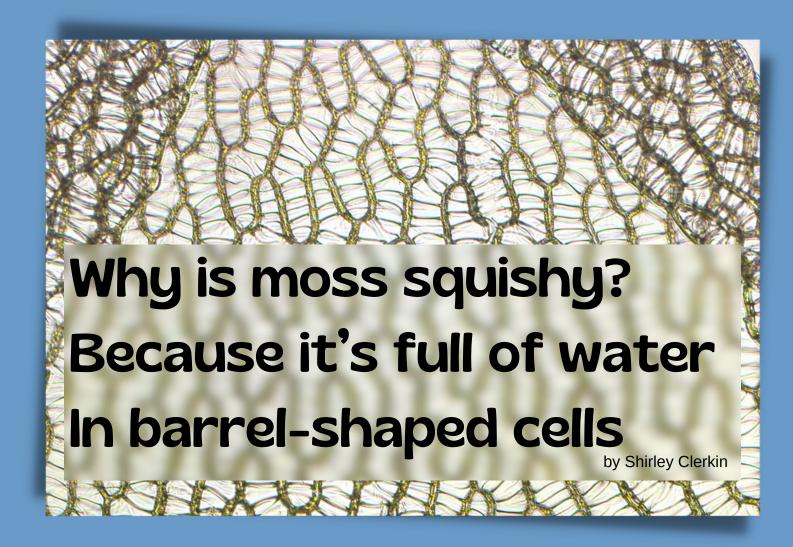
Vigilant mosses,
Sensitive to changed climate.
Rewet and restore.

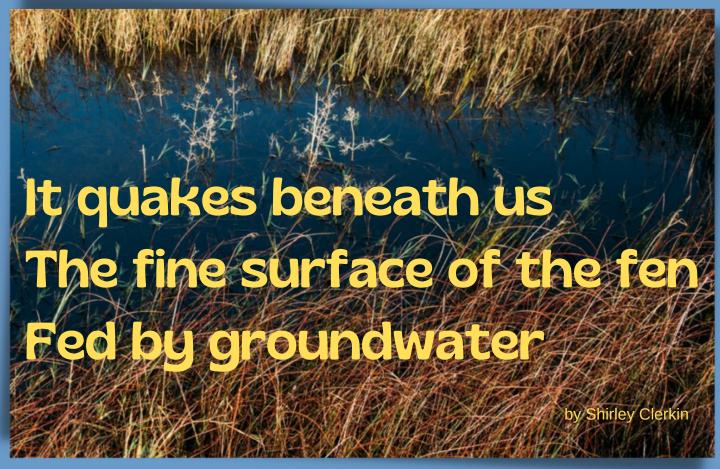












What is The CANN Project

The CANN project is a cross-border environment project which aims to improve the condition of protected habitats and to support priority species found within Northern Ireland, the Border Region of Ireland and Scotland, allowing the region to meet key EU biodiversity targets and ensuring the future of these internationally important habitats and species.

With €9.4 million of funding from the INTERREG VA programme the CANN project team will produce Conservation Action Plans for a range of sites across the jurisdictions which are designated as Special Areas of Conservation (SACs) and accumulatively account for over 25,000 hectares of land. Direct conservation actions will be carried out on 3,650 hectares of these SACs, all with an aim to help and guide the habitats and species found at these sites towards a favourable conservation status.

Made up of leading government departments, local authorities, research institutions and charities from across the three jurisdictions, the CANN project team works together with local communities and stakeholders towards a common goal of improving the environmental condition of these SACs. This includes delivering educational and outreach programmes and raising awareness of the significance of the habitats and species found on the sites, with the aspiration of safeguarding the conservation of these key sites and ensuring their sustainability beyond 2022 and the lifespan of the CANN project.



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