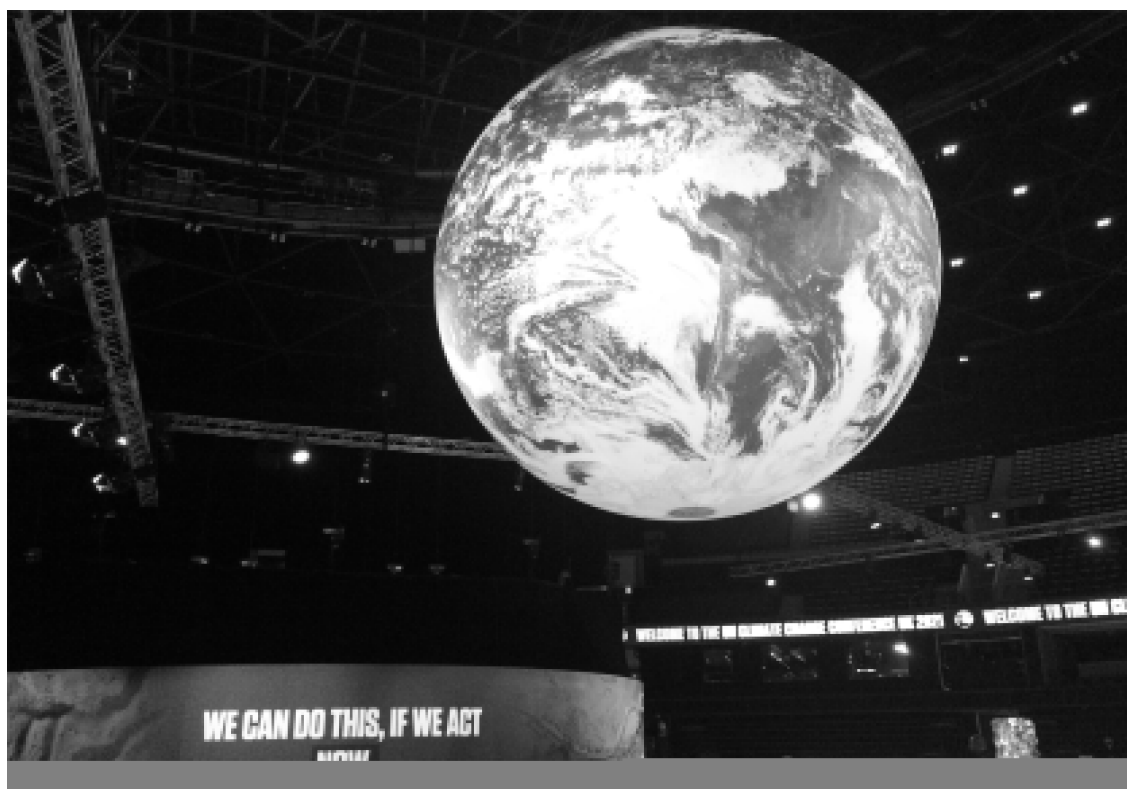


[View this email in your browser](#)

In the halls of [Pavilions in the Blue Zone of the 26th UN Climate Change Conference of Parties \(COP26\)](#) the first [Peatland Pavilion](#) stood out as one of only a handful of thematic pavilions and one which offered a welcoming, accessible and informative space – thanks to the global peatland community.

Between the 1st – 12th November the [Peatland Pavilion](#) hosted a truly hybrid programme of events. The iconic 'Water Droplet' installation, designed by Richard Lindsay (University of East London) and erected by a dedicated build team (Jack Clough, Julie Van Offelen and Sarah Proctor), welcomed Cabinet Secretaries, Ministers, civil servants, peatland experts, SEC staff and pavilion visitors from across the UK and internationally whilst our online platform, powered by [CrowdComms](#), connected 1,705 participants from 100 different countries into 45 live-streamed sessions. All sessions will be available to watch via a dedicated Peatland Pavilion YouTube channel later in December. [Read more...](#)



Our news

Peat-free Horticulture — Demonstrating Success

The IUCN UK Peatland Programme has published a report showcasing successes in peat-free horticulture. '[Peat-free Horticulture – Demonstrating Success](#)' is now the third publication in the series and was launched as part of the UNFCCC COP26 [Peatland Pavilion](#) in November 2021. The report highlights the end of peat use as an opportunity not only to help the environment but also to enable a lasting and sustainable horticulture industry. [Read more...](#)



IUCN UK Peatland Programme Conference 2021 recordings now available

This year's [IUCN UK Peatland Programme conference 'Peatlands in Partnership: a road to recovery'](#) took place as a virtual event in September over four days and attracted over 470 delegates from across the globe. This year's theme brought a focus on peatlands and the people behind them, exploring peatland conversation, restoration and sustainable management in action as well as the partnerships, evidence, policy and practice driving progress towards the [UK Peatland Strategy](#) goals.

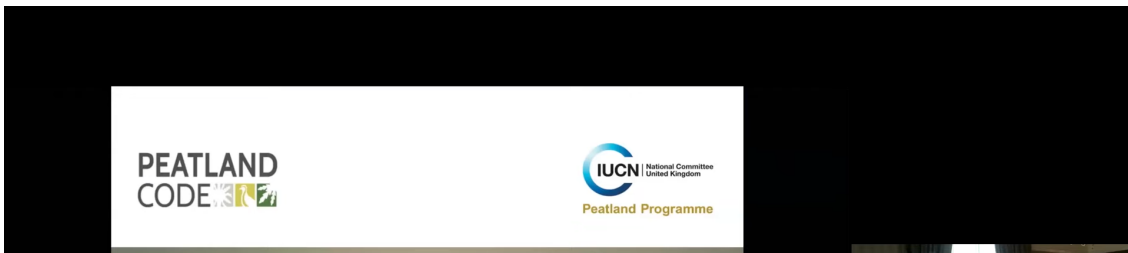
Each session is now available to watch online [here](#) and registered delegates can access the conference platform until March 2022.

Our 11th annual conference was delivered in partnership with [Pennine PeatLIFE](#), led by the North Pennines Area of Outstanding Natural Beauty (AONB) Partnership in collaboration with Yorkshire Wildlife Trust and Forest of Bowland AONB Partnership, and Moors for the Future Partnership's [MoorLIFE2020](#) project. [Read more...](#)



Peatland Code update

The Peatland Code now has 48 Projects registered with a total of almost 8000 ha of peatland restoration. Of these 48 projects, 8 are validated with a total of around 900 ha and 167,442 tonnes of CO₂e emission reductions over their project lifetimes. Another 27 projects are undergoing validation right now and at least 2500 PIU's have been sold so far. [Read more...](#)



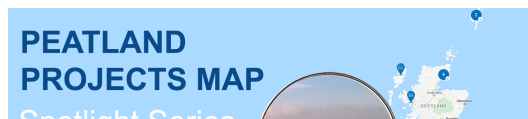
Renée Kerkvliet-Hermans, Peatland Code Co-ordinator of the IUCN UK Peatland Programme presenting at the Scottish Forum on National Capital and Global Ethical Finance Initiative's '[Finance for Nature - Positive Future for People and the Planet](#)' event in Loch Lomond as part of COP26.

Peatland Projects Map: Spotlight Series

Our new [Spotlight Series](#) offers an opportunity for projects on the [Peatland Projects Map](#) to showcase their work and achievements to the peatland community. Read the latest below:

[Langlands Moss LNR](#)

In partnership with local communities and other leading organisations the [Langlands Moss LNR](#) project focuses to protect, conserve and restore all the peatland within the LNR in the hope that this will improve the hydrology, increase the lagg vegetation zone and expand the diversity of the natural ecotones of the reserve. [Read the interview...](#)



If you are interested in contributing your project to the Projects Map please [visit our website](#) or if you have already submitted your project to the map and are interested in taking part in our Spotlight Series please contact blue.kirkhope@iucn.org.uk

Partner Highlights

Pennine PeatLIFE presents PeatLIFE People: A film by Land & Sky Media

At the September IUCN UK Peatland Programme/LIFE conference film night, the [North Pennines AONB Partnership](#) launched its new film, [PeatLIFE People](#).

The Pennine PeatLIFE staff team worked with [Land & Sky Media](#) to create this documentary style film for the conference. Completing the filming in August this film was provided at no cost as part of the Land & Sky effort to support worthy environmental projects. [Read more...](#)



Drain (grip) blocking in the Cairngorms National Park

Peatland ACTION Project Officer Matt Watson (Cairngorms National Park) provides an insight into working with the combined wave damming and zipper re-profiling techniques. [Read more...](#)



The importance of peatlands in protecting urban areas in a warming world

[Moors for the Future Partnership](#) has been named in the news that Greater Manchester is a global Resilience Hub.

Greater Manchester was chosen by the Making Cities Resilient 2030 initiative to serve a three-year term as a Resilience Hub. This means that work will take place to enhance city-to-city collaboration and inspire other communities to become more resilient to disasters, particularly with the onset of climate change. The others cities selected were Barcelona, Helsingborg and Milan.

[Read more...](#)



Pennine PeatLIFE finishes restoration works in the Forest of Bowland

The [Forest of Bowland AONB](#) is the westernmost extent of the Pennine chain and represents some unique challenges; the sites are high, remote, difficult to access, and wet. There are gullies

as wide as the M6 and there is a labyrinthine network of peatpipes underground. This has presented some huge obstacles for the [Pennine PeatLIFE](#) project, but it has finished its restoration work in upland Lancashire. [Read more...](#)



NatureScot Peatland ACTION expansion and opportunities

The [NatureScot Peatland ACTION](#) team is expanding to meet demand and provide more green jobs to tackle the twin crises of climate change and biodiversity loss in Scotland.

They are one year in to the 10 year, £250 million package for peatland restoration provided by Scottish Government,

as part of the goal to achieve a net-zero Scotland by 2045. Scotland's Peatland ACTION programme is now being delivered by five organisations: NatureScot, Forestry & Land Scotland, Scottish Water and Scotland's two National Parks; Cairngorms and Loch Lomond and the Trossachs. [Read more...](#)



Other News

British Trust for Ornithology (BTO): Climate change and UK birds – a focus on peatlands

In early November, the [British Trust for Ornithology](#) (BTO) launched a [new report](#) on the impacts of climate change on UK birds. James Pearce-Higgins; Director of Science (BTO) provides a peatland-focused overview of the report. [Read more...](#)



Peatlands in spotlight at COP26

Delegates at the recent UN Climate Change Conference of the Parties [COP26](#) in Glasgow would have found it hard to ignore Scotland's stunning scenery: dense woodlands, dark lochs and sweeping mountain ranges. But it was the peatlands that perhaps captured their attention the most, not only for their iconic beauty but for the role they can play in combatting climate change. [Read more...](#)



Campaign for National Parks calls for greater action to protect peatlands

Campaign for National Parks is calling for urgent action to protect and restore peatlands in National Parks in England and Wales. [Read more...](#)



Conserve and restore peatlands to slash global emissions – new report

Protecting and restoring peatlands can reduce global greenhouse gas emissions by 800 million metric tonnes per year – equivalent to Germany's annual emissions – according to a new report released by the UN Environment Programme ([UNEP](#)) and the Global Peatlands Initiative ([GPI](#)). [Read more...](#)



WaterLANDS: New European Green Deal project launched to lead largescale restoration of European wetlands

An ambitious project has been launched to tackle largescale restoration of Europe's wetlands, with €23 million of funding from the EU Horizon 2020 Programme Green Deal. [Read more...](#)



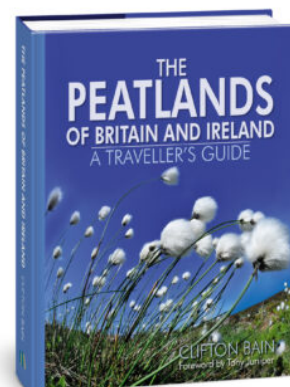
Resources

COP26 Virtual Peatland Pavilion

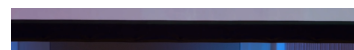
The [Virtual Peatland Pavilion](#) was created by Richard Lindsay (University of East London) to complement the physical [Peatland Pavilion](#) space in the Blue Zone at COP26. This resource has a wealth of digitised peatland content for you to enjoy and will be a long-lasting resource and knowledge hub for the peatland community. [Explore the Virtual Peatland Pavilion...](#)

The Peatlands of Britain and Ireland by Clifton Bain

The IUCN UK Peatland Programme's Clifton Bain now completes his trilogy with his new book 'The Peatlands of Britain and Ireland'. A source of fuel for many generations, they are now a haven for wildlife and plants as well as a storehouse of greenhouse gasses. Their social history is one of exploitation and the value of mending and restoring is a major theme of the book. [Learn more...](#)



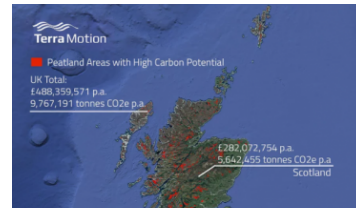
Why we should all be obsessed with peatlands



Ireen is an Amsterdam University College alumnus, climate activist, peat-enthusiast and member of [RE-PEAT](#), a youth-led collective pushing for a peatland paradigm shift. In this TED Talk she discusses all things peatlands and how we can

use the collective imagination to think of a world beyond ecological destruction and climate disruption. [Learn more...](#)

Satellite Map Identifies Peatland Areas where Restoration has the Greatest Carbon Impact



Peatland organisations and experts from across the globe have joined together to pledge their collective commitment to tackling climate change, protecting nature and forging ahead for the health of our planet. [Learn more...](#)

Peatlands Gathering 2021 recordings



The first [Peatlands Gathering](#) welcomed all who are interested in peatlands: community groups, farmers, land managers, forestry groups, peat producers, academics, public representatives, policy makers and the general public. Each session is now available to watch online. [Learn more...](#)

Irrecoverable Carbon



“Irrecoverable carbon” refers to the vast stores of carbon in nature that are vulnerable to release from human activity and, if lost, could not be restored by 2050 — when the world must reach net-zero emissions to avoid the worst impacts of climate change. [Learn more...](#)

Events

Visit the [IUCN UK Peatland Programme website](#) for upcoming events.

Ecology Across Borders 2021

12th - 15th December 2021

Join the British Ecological Society (BES) and the French Society for Ecology and Evolution (SFE²) for their Ecology Across Borders 2021 annual meeting in Liverpool. [Learn more...](#)

Vacancies & Opportunities

Please contact info@iucn.org.uk if you have a research, funding, volunteer or employment opportunity that you would like to share with the UK peatland community.

Peatland ACTION Project Officer 3 x posts, Highland, Central Scotland, Skye & Lochalsh

[More information](#)

Closing date: Wednesday 15th December

Peatland ACTION - GIS & Database Officer

[More information](#)

Closing date: Wednesday 15th December

Peatland ACTION - Communications Officer

[More information](#)

Closing date: Wednesday 15th December

ACCE DTP fully-funded project: Going back to a peaty future: exploring past peat loss, present restoration options and future peat gains within the North York Moors National Park

[More information](#)

Closing date: Friday 14th January 2022

Project Officer, Yorkshire Wildlife Trust

[More information](#)

Closing date: Monday 17th January 2022

Research Publications

- Mazzola, V., Perks, M.P., Yeluripati, J., Xenakis, G., 2022. *Assessing soil carbon dioxide and methane fluxes from a Scots pine raised bog-edge-woodland*. Journal of Environmental Management, 302.
<https://www.sciencedirect.com/science/article/pii/S030147972102123X?dgcid=author>
- Rust, N. A., Stankovics, P., Jarvis, R. M., Morris-Trainor, Z., de Vries, J. R., Ingram, J., Reed, M. S. (2021). *Have farmers had enough of experts?*. Environmental management, 1-14. <https://link.springer.com/article/10.1007/s00267-021-01546-y>
- Harris, L. I., Richardson, K., Bona, K. A., Davidson, S. J., Finkelstein, S. A., Garneau, M., Ray, J. C. (2021). *The essential carbon service provided by northern peatlands*. Frontiers in Ecology and the Environment.
<https://esajournals.onlinelibrary.wiley.com/doi/10.1002/fee.2437>
- Jones, E. A. (2021). *Wildfire return intervals: impacts of diminishing fire return intervals on boreal peatlands using combined field/lidar approaches* (Doctoral dissertation, Lethbridge,

Alta.: University of Lethbridge, Dept. of Geography).

<http://opus.uleth.ca/handle/10133/6090>

- Margielewski, W., Krapiec, M., Kupryjanowicz, M., Filoc, M., Buczek, K., Stachowicz-Rybka, R., Klimek, A. (2021). *Bog pine dendrochronology related to peat stratigraphy: Palaeoenvironmental changes reflected in peatland deposits since the Late Glacial* (case study of the Imszar raised bog, Northeastern Poland). *Quaternary International*.
<https://www.sciencedirect.com/science/article/abs/pii/S1040618221005486>
- Artz, R., Coyle, M., Donaldson-Selby, G., & Morrison, R. (2021). *Net Carbon Dioxide Emission from An Eroding Atlantic Blanket Bog*. <https://www.researchsquare.com/article/rs-991712/v1>
- Bianchi, A., Larmola, T., Kekkonen, H., Saarnio, S., & Lång, K. (2021). *Review of Greenhouse Gas Emissions from Rewetted Agricultural Soils*. *Wetlands*, 41(8), 1-7.
<https://link.springer.com/article/10.1007/s13157-021-01507-5>
- Xu, Z., Wang, S., Wang, Z., Dong, Y., Zhang, Y., Liu, S., & Li, J. (2021). *Effect of drainage on microbial enzyme activities and communities dependent on depth in peatland soil*. *Biogeochemistry*, 155(3), 323-341. <https://link.springer.com/article/10.1007/s10533-021-00828-1>
- Yuwati, T. W., Rachmanadi, D., Turjaman, M., Indrajaya, Y., Nugroho, H. Y. S. H., Qirom, M. A., ... & Mendham, D. (2021). *Restoration of Degraded Tropical Peatland in Indonesia: A Review*. *Land*, 10(11), 1170. <https://www.mdpi.com/2073-445X/10/11/1170>
- Boonman, J., Hefting, M. M., van Huissteden, C. J. A., van den Berg, M., van Huissteden, J., Erkens, G., ... & van der Velde, Y. (2021). *Cutting peatland CO₂ emissions with rewetting measures*. *Biogeosciences Discussions*, 1-31.
<https://bg.copernicus.org/preprints/bg-2021-276/>
- Ziegler, R., Wichtmann, W., Abel, S., Kemp, R., Simard, M., & Joosten, H. (2021). *Wet peatland utilisation for climate protection—An international survey of paludiculture innovation*. *Cleaner Engineering and Technology*, 100305.
<https://www.sciencedirect.com/science/article/pii/S2666790821002652>
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<https://link.springer.com/content/pdf/10.1007/s10531-021-02325-1.pdf>

Please note: this list is by no means comprehensive, nor are these stories endorsements from the Programme, but for your information only.

The next edition of the Newsletter is due out in February 2022. To submit articles please email: info@iucn.org.uk by Wednesday 16th February.

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We have recently updated our Privacy Policy, in line with recent changes to data protection. Within the policy, we outline why we capture your personal data, what we use it for, and how we keep it safe, to keep you informed and in control. For further information, please visit our website: www.iucn-uk-peatlandprogramme.org/privacy.

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