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"As we witness our planet transforming around us we watch, listen, measure ... respond."

www.environmentalgraphiti.org – 2021 Alisa Singer — [IPCC](#)

As we enter the [UN Decade on Ecosystem Restoration](#) and with the 26th [UN Climate Change Conference of the Parties](#) (COP26) rapidly approaching, raising awareness of the importance of peatlands for the climate, people and the planet remains vital. [Bog Day](#) exists to do just that and is celebrated annually on the 4th Sunday of July, exploring the many benefits peatlands provide, the threats they face and the ways we can all help to protect them.

This year's Bog Day was celebrated around the world on Sunday 25th July and saw 322 posts on Twitter reaching 5.5 million people in the week leading up to and on the day of the event, bringing peatlands to the forefront of the conversation for many and providing an opportunity for people to learn and share their knowledge about all things peatlands. [Continue reading...](#) and watch compilation of 'Peatlands Are...' snippets below:

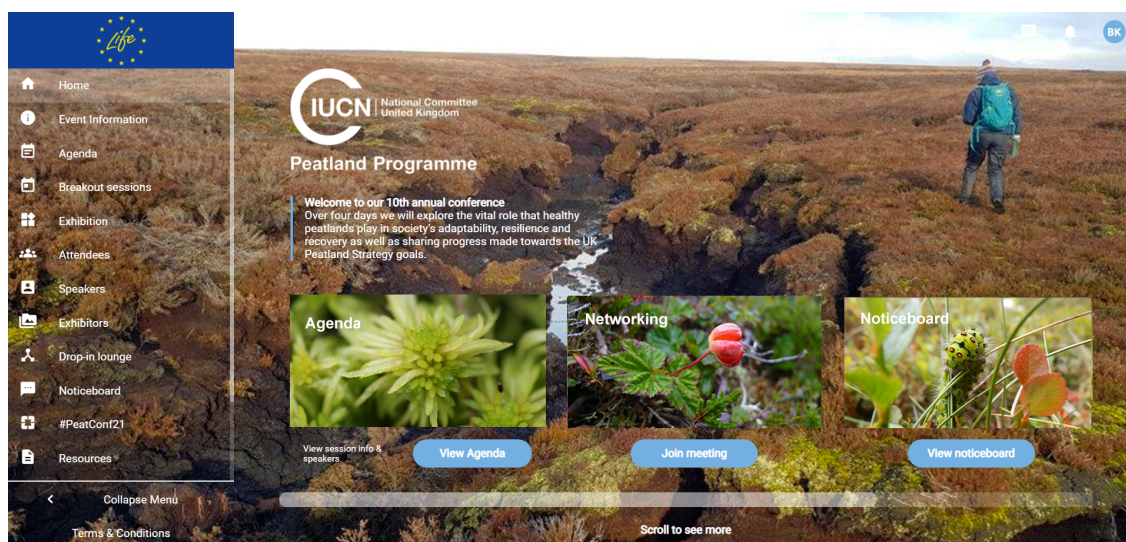


Peatland Pavilion at UN Climate Change Conference (COP26)

The Peatland Pavilion proposal, co-developed by the Global Peatlands Initiative, Wetlands International, University of East London, Greifswald Mire Centre, IUCN UK Peatlands Programme, United Nations Environment Programme and others will provide a hub for highlighting the important role that peatlands play around the globe at the [United Nations Framework Convention on Climate Change 26th Conference of the Parties \(UNFCCC COP26\)](#) in Glasgow this November. [Read more...](#)

Our news

Register for this year's virtual IUCN UK Peatland Programme Conference!



Registration for this year's [IUCN UK Peatland Programme conference 'Peatlands in Partnership: a road to recovery'](#) is [now open](#). We are delighted to be able to offer delegates free access to this event.

The conference will be brought to you as a virtual event taking place on the 13th - 16th September 2021 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 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:

MoorLIFE 2020

The MoorLIFE 2020 project aims to restore and protect areas of Active Blanket Bog within the South Pennine Moors Special Area of Conservation, through undertaking concrete conservation activities, environmental monitoring and communication / education events.



The Flows LIFE

The project focuses on enhancing and promoting the special values of the peatlands of the Flow Country through the promotion of sustainable land management, the encouragement of sustainable community and economic development, and through co-ordinated action.



New LIFE for Welsh Raised Bogs

In partnership with local communities, landowners and contractors, the LIFE Welsh Raised Bogs project's work will include improving the conditions of the peatland, removing invasive species and scrub and introducing light grazing.



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

UK invests over £30m in large-scale greenhouse gas removal

We are delighted to support this project which will investigate the management of peatlands to maximise their greenhouse gas (GHG) removal potential in areas across the UK. The aim is to help the UK reach its legislated net-zero climate target by 2050. [Read more...](#)



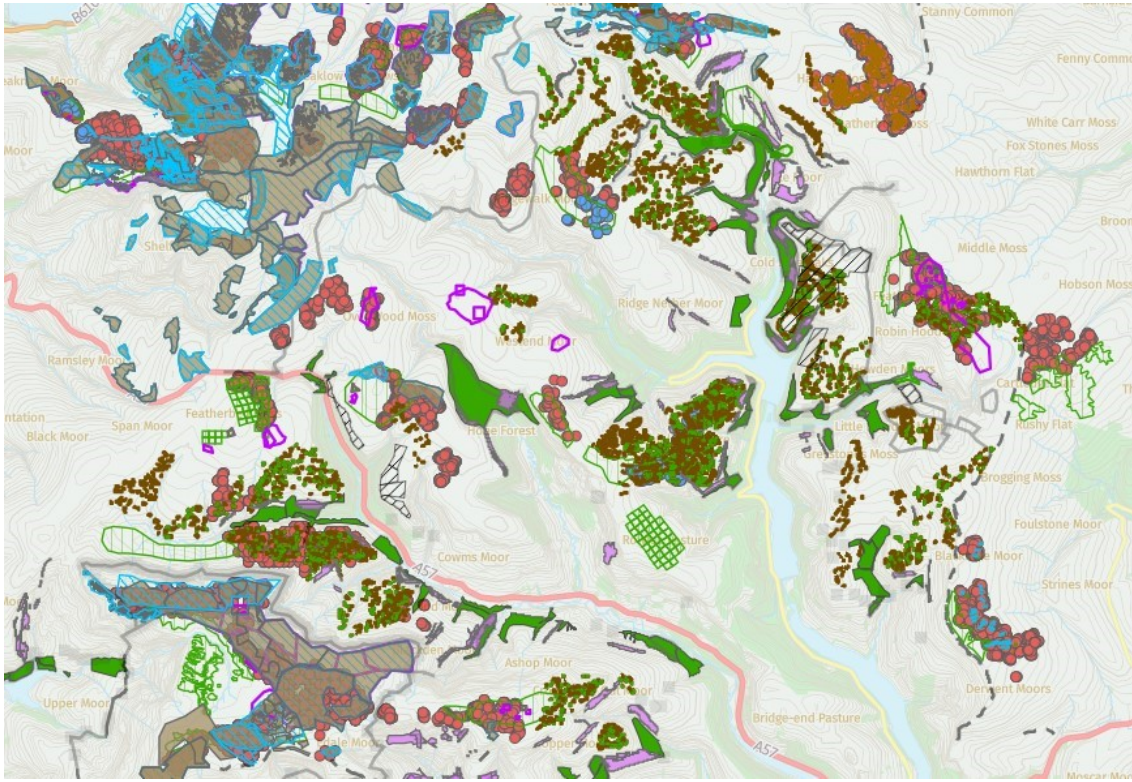
Partner Highlights

Moors for the Future Partnership Moor Mapping Project

An interactive map showing 17 years of moorland restoration is now [available to view](#).

The [Moor Mapping Project](#) was commissioned by Natural England to provide an online map of all of upland restoration carried out in the Peak District National Park since 2003.

The map is based on data from Moors for the Future Partnership's work, as well as from other partners and stakeholders, who have kindly contributed data for use in this project. [Read more...](#)



Esmée Fairbairn - This is it: peat bogs are the UK's climate superpower

Esmée Fairbairn Funding Manager and Our Natural World Lead, Jenny Dadd, writes why, when it comes to powerful solutions to the nature and climate crises, peat bogs are it.

"Nature and climate are in crisis, but there's one solution right under our noses. 'This is it'. This is peatlands." [Read more...](#)



Yorkshire Peat Partnership: A music video on Fleet Moss

In last month's newsletter we shared the news that Jenny Sharman and Lyndon Marquis, of [Yorkshire Peat Partnership](#), spent a hard but happy April day on Fleet Moss filming a music video with celebrated cellist, singer and songwriter [Sarah Smout](#). You can now watch the music video for the single 'Atlas' in collaboration with the [Yorkshire Wildlife Trust](#) as part of her new project, Wild Music. [Watch the video...](#)

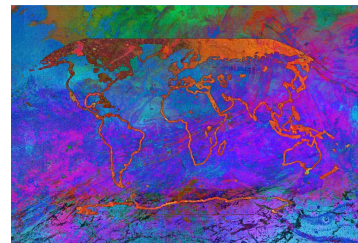
Sarah will also be introducing her official music video filmed on Fleet Moss during a public peatland film night as part of the [IUCN UK PP Conference](#) on Tuesday 14th September between 7:30pm – 8:30pm, entrance through the [Virtual Peatland Pavilion](#).



Other News

IPCC Sixth Assessment Report - AR6 Climate Change 2021: The Physical Science Basis

The new report provides the most updated physical understanding of the climate system and climate change, combining the latest advances in climate science, and multiple lines of evidence. [Read more...](#)

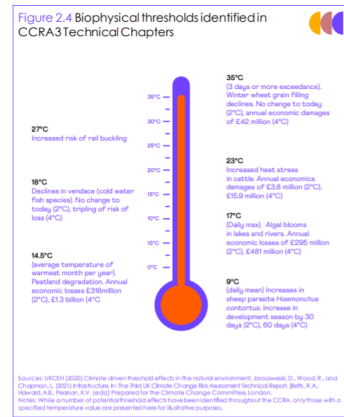


Independent Assessment of UK Climate Risk

The Adaptation Committee's Independent Assessment of UK

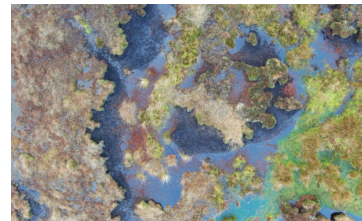
Climate Risk sets out the priority climate change risks and opportunities for the UK. The report also considers peatlands role in this.

"Other estimates focussing on peatlands suggest that increased carbon emissions from peatlands due to hotter, drier conditions could lead to annual average damage costs of £1.1billion (2050s), and up to £1.5–£2.2 billion (2080s)" [Read more...](#)



Satellites track "bog breathing" to help monitor peatlands

New research, published on this year's [Bog Day](#) (July 25th 2021), demonstrates the potential for measuring "bog breathing" - or peatland surface motion – to monitor restoration sites in future. [Read more...](#)



United Nations recognizes major Irish Peatland Restoration initiative

Dianna Kopansky of the [United Nations Environment Programme](#) (UNEP) and Global Peatlands Initiative (GPI) has recognised the initiative led by Bord na Móna (Irish Peat Board) to restore damaged peatlands as part of an overall plan to restore more than 50,000 hectares of Irish peatlands. [Read more...](#)



Public Consultation of Northern Ireland Peatland Strategy Open

The [Department for Agriculture, Environment, and Rural Affairs](#) (DAERA) have developed a draft Northern Ireland Peatland Strategy 2021-2040 which will provide a framework for conserving intact semi-natural peatlands and restoring degraded semi-natural peatlands. [Read more...](#)



Minister Poots pictured with Jennifer Fulton, CEO of Ulster Wildlife

Peatlands in the spotlight for Highland school pupils

More than 1,600 high school pupils across the Highland

region are taking part in outdoor science sessions exploring the crucial role peatlands play in the fight against climate change. [Read more...](#)



Resources

SAGES Stories: Bog Tales

SAGES, the IUCN UK Peatland Programme and the Scottish Storytelling Centre hosted the '[Bog Tales](#)' event series in June, where researchers from across Scotland participated in storytelling workshops to learn how to create modern myths inspired by their science. Watch the contributions below:



- [Little Fergus' Big Adventure](#)
- [Daisy the Hero](#)
- [Discovering Silent Secrets of Soil](#)

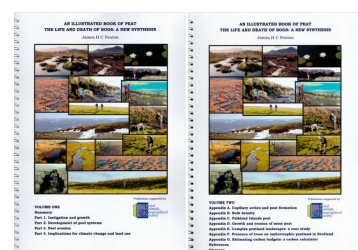
Policy and Guidance to Restore Peatlands

For [World Peatlands Day](#) (2nd June 2021) five EU transnational projects exploring innovative measures to save our peatlands have released the **Peatlands Across Europe: Innovation and Inspiration** guide outlining their experiences and recommendations. [Learn more...](#)



An Illustrated Book of Peat. The life and death of bogs: A new synthesis

The focus of this book by Dr James Fenton is on temperate blanket peat and raised bogs, for which the British Isles are a world centre. Peatlands are much in the public eye these days owing to the important role of peat bogs in carbon



storage and sequestration, and their impact on climate change.

Peatland Training Programme

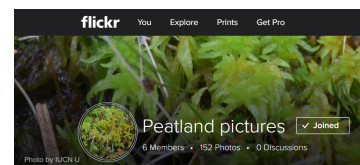
[Part 1 of a Peatland Training Programme](#) is now available as a means of establishing a logical learning curve, introducing key peatland concepts, then moving on to the implications of these for peatland policy, and finally offering more in-depth information about certain topics.

The resource “... *has clarified so many points regarding definitions, classification and general concepts regarding peatlands ... I cannot stress how helpful it has been, and has most definitely proven to me I'm interested in pursuing a career in peatland conservation.*” **MSc student, University of Plymouth**



Peatland community resource to share images

To help celebrate, communicate and educate about the importance of peatlands IUCN UK Peatland Programme have set up a Flickr group called 'Peatland Pictures' for the peatland community to share images.



[Learn more and submit your photos](#)

Events

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

From steaming swamp to blanket bog: Peatlands in action exhibition, St Andrews
14th August - 31st October

From this August (2021), explore Peru's steaming swamps through this virtual gallery, or in person in the beautiful surroundings of the [St Andrews Botanic Gardens](#).

IUCN World Conservation Congress, Marseille, France
3rd - 11th September 2021

[Conference](#) comprised of forum, exhibition & Members' Assembly takes place every 4 years this

year focussing on contribution to [post 2020 Global Biodiversity Framework](#). Now being delivered as a "hybrid" event, allowing both physical and remote attendance.

IUCN UK Peatland Programme [Peatlands in Partnership: a road to recovery Conference 2021](#)
13th - 16th September 2021

Our annual [conference series](#) present opportunities for policy makers, scientists, land managers and practitioners from different disciplines to share their knowledge, experience and enthusiasm of peatland conservation and management.

COP 15 - [2020 UN Biodiversity Conference](#), Kunming, China
5th - 10th October 2021

COP26 – [26th United Nations Climate Change Conference](#), Glasgow SEC
1st - 12th November 2021

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.

Contributing Author for the Global Peatlands Assessment, Global Peatlands Initiative
[More information](#)

Closing date: Friday 3rd September

Land Outdoors & Nature Project Manager, Marsden Moor / National Trust

[More information and application form](#)

Closing date: Sunday 12th September

Peatland Restoration Fund, NatureScot

[More information and application form](#)

Closing date: Thursday 30th September

Research Publications

- Carless, D., Kulesa, B., Booth, A.D., Drocourt, Y., Sinnadurai, P., Street-Perrott, F.A. and Jansson, P., 2021. An integrated geophysical and GIS based approach improves

estimation of peatland carbon stocks. *Geoderma*, 402, p.115176.

<https://doi.org/10.1016/j.geoderma.2021.115176>

- Flood, K., Mahon, M. and McDonagh, J., 2021. Assigning value to cultural ecosystem services: The significance of memory and imagination in the conservation of Irish peatlands. *Ecosystem Services*, 50, p.101326.
<https://doi.org/10.1016/j.ecoser.2021.101326>
- Goudarzi, S., Milledge, D.G., Holden, J., Evans, M.G., Allott, T.E., Shuttleworth, E.L., Pilkington, M. and Walker, J., 2021. Blanket Peat Restoration: Numerical Study of the Underlying Processes Delivering Natural Flood Management Benefits. *Water Resources Research*, 57(4), p.e2020WR029209. <https://doi.org/10.1029/2020WR029209>
- Howson, T., Chapman, P.J., Shah, N., Anderson, A.R. and Holden, J., The effect of forest-to-bog restoration on the hydrological functioning of raised and blanket bogs. *Ecohydrology*, p.e2334. <https://doi.org/10.1002/eco.2334>
- Huang, Y., Ciais, P., Luo, Y., Zhu, D., Wang, Y., Qiu, C., Goll, D.S., Guenet, B., Makowski, D., De Graaf, I. and Leifeld, J., 2021. Tradeoff of CO₂ and CH₄ emissions from global peatlands under water-table drawdown. *Nature Climate Change*, pp.1-5.
<https://doi.org/10.1038/s41558-021-01059-w>
- de Jong, M., van Hal, O., Pijlman, J., van Eekeren, N. and Junginger, M., 2021. Paludiculture as paludifuture on Dutch peatlands: An environmental and economic analysis of Typha cultivation and insulation production. *Science of The Total Environment*, p.148161. <https://doi.org/10.1016/j.scitotenv.2021.148161>
- Lees, K.J., Artz, R.R.E., Chandler, D., Aspinall, T., Boulton, C.A., Buxton, J., Cowie, N.R. and Lenton, T.M., 2021. Using remote sensing to assess peatland resilience by estimating soil surface moisture and drought recovery. *Science of The Total Environment*, 761, p.143312. <https://doi.org/10.1016/j.scitotenv.2020.143312>
- Moxey, A., Smyth, M.A., Taylor, E. and Williams, A.P., 2021. Barriers and opportunities facing the UK Peatland Code: A case-study of blended green finance. *Land Use Policy*, 108, p.105594. <https://doi.org/10.1016/j.landusepol.2021.105594>
- Regensburg, T.H., Chapman, P.J., Pilkington, M.G., Chandler, D.M., Evans, M.G. and Holden, J., 2021. Effects of pipe outlet blocking on hydrological functioning in a degraded blanket peatland. *Hydrological Processes*, 35(3), p.e14102.
<https://doi.org/10.1002/hyp.14102>
- Williams-Mounsey, J., Grayson, R., Crowle, A. and Holden, J., 2021. A review of the effects of vehicular access roads on peatland ecohydrological processes. *Earth-Science Reviews*, p.103528. <https://doi.org/10.1016/j.earscirev.2021.103528>

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 December 2021. To submit articles please email: info@iucn.org.uk by Wednesday 24th November

Privacy policy:

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 or telephone us on: 01904 659570.

For information about reports and initiatives referred to in this newsletter please visit: www.iucn-uk-peatlandprogramme.org. You are receiving this newsletter as you signed-up. If you would no longer like to receive these emails, please reply to this email letting us know to unsubscribe you

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