



a world of soil... ..a sustainable world! (suggested view with 4 columns)



Harnessing soil biodiversity to promote human health in cities

[nature.com](#)

npj Urban Sustainability - Harnessing soil biodiversity to promote human health in cities



Trillions of tonnes of carbon locked in soil has been left out of environmental models – and it's on the move

 theconversation.com

New research shows carbon in soil minerals is much more important than anybody realised.

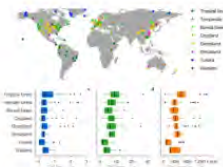


What is dirt? There's a whole wriggling world alive in the ground beneath our feet, as a soil scientist explains

 theconversation.com

Rock dust is only part of the story of soil. Living creatures, many of them too tiny to see, keep that soil healthy for growing everything from food to forests.

Headlines



Projected soil carbon loss with warming in constrained Earth system models

 nature.com

Large uncertainties remain in Earth system models in predicting soil carbon-climate feedbacks. Here, the authors constrained projected soil carbon changes in ESMs using observation-derived data, and found that



Study reveals how humanity could unite to address global challenges

 phys.org

New research led by the University of Oxford has found that perceptions of globally shared life experiences and globally shared biology can strengthen psychological bonding with humanity at large, which can



No birdsong, no water in the creek, no beating wings: how a haven for nature fell silent

 [theguardian.com](https://www.theguardian.com)

As the soundscape of the natural world began to disappear over 30 years, one man was listening and recording it all



A sustainable future begins at ground level

 theconversation.com

Not all types of ground are the same and understanding how varied ground types react to environmental stresses is key to achieving true sustainability.



'Water is more valuable than oil': the corporation cashing in on America's drought

 [theguardian.com](https://www.theguardian.com)

In an unprecedented deal, a private company purchased land in a tiny Arizona town – and sold its water rights to a suburb 200 miles away

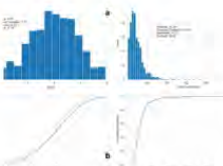


Urban greenspaces and nearby natural areas support similar levels of soil ecosystem services

 [nature.com](https://theconversation.com)

npj Urban Sustainability - Urban greenspaces and nearby natural areas support similar levels of soil ecosystem services

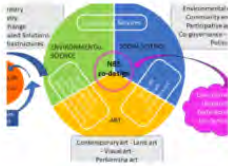
Politics



Accessibility inequality across Europe: a comparison of 15-minute pedestrian accessibility in cities with 100,000 or more inhabitants

 [nature.com](https://theconversation.com)

npj Urban Sustainability - Accessibility inequality across Europe: a comparison of 15-minute pedestrian accessibility in cities with 100,000 or more inhabitants



Aula Verde (tree room) as a link between art and science to raise public awareness of nature-based solutions

[nature.com](https://www.nature.com)

Scientific Reports - Aula Verde (tree room) as a link between art and science to raise public awareness of nature-based solutions



The frantic pace of modern life is damaging our sense of time, but nature can help us heal – new study

[theconversation.com](https://www.theconversation.com)

Feelings of “time scarcity” are on the rise, but research shows that natural surroundings can help us to slow down.



World faces ‘deathly silence’ of nature as wildlife disappears, warn experts

[theguardian.com](https://www.theguardian.com)

Loss of intensity and diversity of noises in ecosystems reflects an alarming decline in healthy biodiversity, say sound ecologists

Science, info & more...



Climate and land use changes explain variation in the A horizon and soil thickness in the United States

[nature.com](https://www.nature.com)

Soil moisture and temperature determine A horizon and solum thickness, while land use and soil erosion contribute to its temporal variation across the conterminous United States, according to analyses of soil survey data



Researchers find the more flood driving factors there are, the more extreme a flood is

[phys.org](https://www.phys.org)

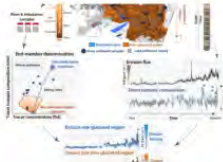
There are several factors that play an important role in the development of floods: air temperature, soil moisture, snow depth, and the daily precipitation in the days before a flood. In order to better understand



Prehistoric peatland plants and bugs found in UK 'time capsule'

[theguardian.com](https://www.theguardian.com)

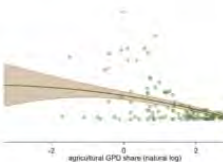
Frozen snapshot could help revive ancient Exmoor woodland and protect against ravages of climate change



Human-triggered magnification of erosion rates in European Alps since the Bronze Age

[nature.com](https://www.nature.com)

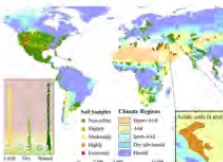
Using a lake sediment core taken from the European Alps and combining a source-sink approach with isotope geochemistry, it has been established that the effects of human activities have outweighed those



Researchers publish dataset of over 6,000 agri-environmental policies from all over the world

[phys.org](https://www.phys.org)

There can be no analysis without data. In this spirit, researchers from the University of Bonn and the Swiss Federal Institution of Technology (ETH) Zurich have published a database containing over 6,000 agri-



Mapping the world's salted soils: A leap forward in combating land degradation

[phys.org](https://www.phys.org)

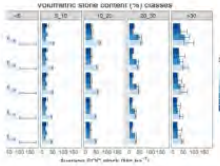
A team of researchers has developed an approach that maps the soil salt content around the world with an exceptional detail of 10 meters. This advance tackles the pressing need for accurate assessments of soil



Soil may release more carbon than expected, affecting climate change models

[phys.org](https://www.phys.org)

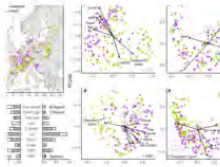
The accuracy of climate models depends on many factors—greenhouse gas emissions from industrial and transportation activity, farm animal "emissions," urban growth and loss of forests, and solar reflections off



Assessing soil carbon stocks accurately

phys.org

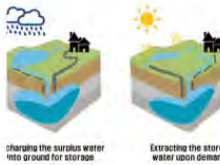
Researchers from Teagasc have published an article in *Geoderma Regional* highlighting the consequences of not measuring soil organic carbon (SOC) stocks in Irish grassland soils precisely. Quantifying changes



Fungal community composition predicts forest carbon storage at a continental scale

nature.com

Soil microbial diversity and composition is thought to play a major role in elemental cycling. Here, the authors analyse a large dataset of soil microbiome and carbon data from European forests and find that soil



Scientists discover that the natural purification of groundwater is enhanced by nitrate

phys.org

In recent years, the world has been experiencing floods and droughts as extreme rainfall events have become more frequent due to climate change. For this reason, securing stable water resources throughout the



The omnipresence of PFAS—and what we can do about them

phys.org

Per- and poly-fluoroalkyl substances (PFAS)—also known as “forever chemicals”—are everywhere. Created in the 1940s, these synthetic compounds are an unseen ingredient in many items that we use in our



I've studied sand dunes for 40 years – here's what people find most surprising

theconversation.com

Dunes can preserve a record of historic climate changes and shifting continents.



Tenure-Track Junior Professor Chair position on Extreme hydrological events (floods, droughts) and global change in the South. Institute of Research for Development Montpellier, France

researchgate.net

Holding an IRD Junior Professorship means : Giving your career a boost: after a pre-tenure contract of 3 to 6 years, you can move up to the prestigious position of research director at IRD. Carrying out top-level



Quantitative Ecologist. Royal Botanic Gardens, Kew London, United Kingdom

researchgate.net

An exciting opportunity for a Quantitative Ecologist with experience in community ecology and modelling to join Kew's expanding mycorrhizal research team. This position will involve databasing, managing,

Jobs



How cruise ships became a catastrophe for the planet | It's Complicated

YouTube

Cruising is booming – 2023 ticket sales have surpassed historic levels and 2024 has seen the launch of the largest cruise ship ever built. But as cruise touri...



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**"A refreshing perspective on
what it means to be wealthy."**

–Don Smith, Kiss the Ground

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into the

SOIL

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Into the Soil | The Wisdom of Regenerative Farming | Full Documentary

 YouTube

"A refreshing perspective on what it means to be wealthy" – Don Smith, Kiss the Ground In the documentary "Into the Soil" we follow Brigid LeFevre, who runs a...

Videos



Week in wildlife – in pictures: nosy polar bears, a waving seal and blue-footed boobies

 theguardian.com

The best of this week's wildlife photographs from around the world



Reel by @soilassociation on Instagram.

 Instagram



 **Zoom into Soil Webinar: Carbon Sequestration**
Wednesday 8 May 12-1pm (UK time) Join Prof. Pete Smith, from @aberdeenuni, & Dr. Jagadeesh Yeluripati, from @JamesHuttonInst, on our next webinar as they discuss carbon sequestration. REGISTER FOR FREE: <https://t.co/UkuuFliK0Y>

 x.com

British Society of Soil Science (@Soil_Science) on X

Photos (& some news too)



Key #soil threats in   erosion  floods & landslides  organic matter loss  salinisation  contamination  compaction  sealing  biodiversity loss Our dashboard maps unhealthy soils & related degradation to support restoration  <https://t.co/eNUPJO8pAZ> #GSB2023 #SoilHealth

 x.com

EU_ScienceHub (@EU_ScienceHub) on X



Soil Benchmark | Data analytics software for farm advisors

 soilbenchmark.com

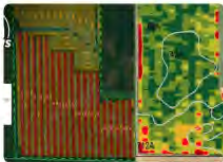
Unbiased, data driven tools for farmers, advisors and agronomists to uncover practical insights that improve the health of their soils.



Soils Matter, Get the Scoop!

 wordpress.com

A blog about what affects how well soil holds water



And our number 1 most-read article in 2023 is... drumroll... Relationship of Soil Health Indicators to Yield and Nitrate-N Loss. Read it now: <https://t.co/PH0Q2PANXh>

 x.com

Agronomy, Crop, and Soil Science Societies (@ASA_CSSA_SSSA) on X

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