

CheTerraPesti #98 - The earth beneath your feet - A soil magazine. Mar. 10, 2025

50 Items

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



The state of soils in Europe

[europa.eu](#)

This report delves into the intricate interplay between drivers, pressures and impacts on soil in the 32 Member States of the European Environment Agency (EEA)...

The carbon footprint of everything



The carbon footprint of everything

oecd.org

This paper explores the potential of widespread and reliable information on the greenhouse gas emissions associated with any good or service or the activities of any firm – in short, the carbon footprint of everything.



Newsletter #4 - CURIOSOIL

curiosoil.eu

At CURIOSOIL, we launched the "Why I Teach Soil" campaign to raise awareness about soil health and promote soil literacy among teachers, head teachers and students. The campaign offers free educational

Headlines



Defining 'soil science'

sciencedirect.com

"Soil science is the study of the soil of the Earth and other planets, using evolving theories and knowledge to understand its role in sustaining ecosystem functioning, tackling environmental challenges, and supporting



Israel's bombing of Gaza caused untold environmental damage – recovery will take effort and time

theconversation.com

The humanitarian toll of more than a year of conflict will be augmented by the risk of further health issues due to poor hygiene facilities and air quality.



Carbon capture in Mediterranean soil: how farmland can trap greenhouse gases

theconversation.com

'Carbon farming' has huge potential in the region, but diverse soils and land uses present a challenge.

Politics



Global trends and local variations in land take per person

[sciencedirect.com](#)

Globally, urban areas are growing at a faster rate than their population, potentially reducing environmental sustainability due to undesirable land ta...



Trump's science-denying fanatics are bad enough. Yet even our climate 'solutions' are now the stuff of total delusion | George Monbiot

[theguardian.com](#)

The 'progress' made at Cop29 has been on carbon markets: a world of magical thinking, over-claiming and distorted truth, says Guardian columnist George Monbiot



Greenery as a mitigation and adaptation strategy to urban heat

[nature.com](#)

In this Review, we evaluate the potential of green infrastructure as a mitigation strategy, focusing on greenery on the ground (parks) and greenery on buildings (green roofs and green walls). Green infrastructure



What are farmers in the EU required to do to protect the environment?

[theguardian.com](#)

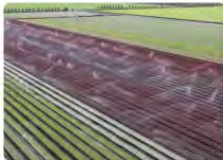
Greenhouse gases and pollutants from farms urgently need reducing but green policies have triggered furious protests



Healthy soil grows more food and cuts emissions, but government inaction means too much soil is degraded

 phys.org

The soil beneath our feet is a living entity. It is home to many microbes on Earth responsible for crucial processes such as decomposition and supporting plant health.



Fertile land for growing vegetables is at risk — but a scientific discovery could turn the tide

 theconversation.com

Organic soils, one of the pillars of Québec's food self-sufficiency, could disappear within 50 years. Fortunately, the application of straw or wood chips could regenerate these soils.



Absolutely wasted: the inner-city garden using food scraps to create top grade soil

 theguardian.com

An urban compost project has fostered an ingenious way to turn all kinds of waste food into fertiliser

Science, info & more...



The shortcut to less warming? It runs through a farm field

 theconversation.com

Slashing emissions of methane, a potent greenhouse gas, could slow the pace of climate change.



Global soil map pinpoints key sites for conservation

 nature.com

Worldwide soil survey identifies hotspots of biodiversity.



Citizen science & soil connectivity: Where are we?

sciencedirect.com

A fifty-four per cent of the global population is estimated to live disconnected from the natural environment. Furthermore, a large majority of our community unknown how significant is the soil in their life,



Assessing soil health with underpants

science.org

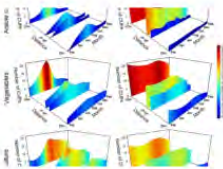
We watched as the two young boys stuck their shovels in the ground and painstakingly dug up the remains of the underpants. Most of the organic cotton fabric had decomposed in the 2 months that the underpants had



The sound of restored soil: Measuring soil biodiversity with eco-acoustics

phys.org

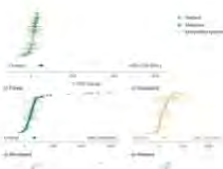
U.K. and Australian ecologists have used audio technology to record different types of sounds in the soils of a degraded and restored forest to indicate the health of ecosystems.



Pesticide mixtures shown to be present in soil and plants all year round, not just during application times

phys.org

In conventional agriculture, synthetic chemical pesticides are used in various crops such as arable farming, vegetable growing and viticulture. A study by the RPTU University Kaiserslautern-Landau, published in Scientific



Increased but not pristine soil organic carbon stocks in restored ecosystems

nature.com

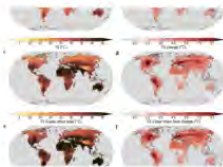
Ecosystem restoration boosts soil organic carbon (SOC) stocks, but not to pristine levels. Our global second-order meta-analysis shows that restoration increases SOC across different contexts, yet reveals a SOC



Direct measurements can reduce uncertainty in soil carbon credit markets

 phys.org

Directly measuring soil carbon rather than relying on predictive models can provide hard evidence of how much carbon is being stored, allowing for better assessments of confidence in carbon markets for croplands,



Changes in event soil moisture-temperature coupling can intensify very extreme heat beyond expectations

 nature.com

Climatic changes in extreme events are well studied, but research has so far focused on moderate extremes. The authors show that changes in very extreme heat events can be, depending on the region, much



Rain on wildfire burn scars can trigger destructive debris flows – a geologist explains how

 theconversation.com

Debris flows can move with the speed of a freight train, picking up and demolishing anything in their path.



Understanding the spread of agriculture in the Western Mediterranean (6th-3rd millennia BC) with Machine Learning tools

 nature.com

Neolithic farming practices differed across the Mediterranean. Here, the authors apply a machine learning approach to combined archaeological and paleoclimatic data, investigating the impact of climate on the spread



Scientists have discovered a 3 billion-year-old beach buried on Mars

 theconversation.com

The discovery indicates water may have remained stable on Mars for much longer than scientists thought.



Cows help farms capture more carbon in soil, study shows

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

Research also reveals that a mixture of arable crops and cattle helps improve the biodiversity of the land .



Tenure Track scientist as working group head (m/f/d) on "Participatory resilience assessment of farming systems" - Germany

 [zalf.de](https://www.zalf.de)

The position focuses on the development and implementation of participatory methods for the assessment of farming system resilience considering diverse changes within and beyond the system.



Scientist (m/f/d) for Field Trial Evaluation and Results Management - Germany

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

We are seeking a Scientist (m/f/d) for field trial evaluation and results management. You will be part of the Breeding Technology department for our cluster Maize and Oil Crops at KWS SAAT SE in Einbeck (Lower

Jobs



Restoration Officer - Careers | Royal Botanic Gardens, Kew - UK

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

In the UK and globally, the value of biodiversity is increasingly important in human lives and livelihoods. RBG Kew's scientific mission as a world-leading biodiversity institute is to stop biodiversity loss and develop



Education for Sustainability | Jaimie Cloud | TEDxWindham

 YouTube

Jaimie Cloud is passionate about inspiring young people to think about the world, their relationship to it, and their ability to influence it in an entirely ne...

Videos


Soil Health
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Soil Health

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Dr Jennifer Rowntree, Associate Professor in Ecological Genetics, outlines the critical role that in-field soil health research and agri-tech can play in enabl...

RE
Awakening Soil Curiosity to Catalyse Soil Literacy | Intro...
Watch later
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Watch on

YouTube

Awakening Soil Curiosity to Catalyse Soil Literacy | Introducing CURIOSOIL

 YouTube

More than 60% of soil ecosystems in Europe are threatened by degradation. CURIOSOIL seeks to address this crisis by increasing soil literacy through collaborat...

Photos (& some news too)



Hackathon: Exploring augmented reality in a mobile application for soil education - CURIOSOIL

 curiosoil.eu

Traditional educational methods often fail to captivate children or effectively demonstrate the dynamic and invisible processes happening beneath the Earth's surface. The hackathon "Digging deep: Innovating soil



Regenerative Agriculture

 scenichudson.org

Learn how it improves the entire ecosystem of a farm — from the soil on up.



Ansel Adams Photographs

 [archives.gov](https://www.archives.gov)

Ansel Adams Photographs

Number closed in Bologna (Italy) Mar 12, 2025. 3:24 PM (CET)

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