



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



Headlines



Twelve European countries broke temperature records in 2022

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

Continent records hottest ever summer as analysis shows temperatures rising twice as fast as global average



Skiing in the Alps faces a bleak future thanks to climate change

 theconversation.com

The Alps are warming at twice the global rate.



Visiting green spaces deters mental health drug use, researchers find

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

Positive effects were stronger among those reporting the lowest annual household income, says Finnish study



Reforestation means more than just planting trees

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

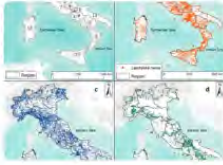
Scientists are figuring out the best strategies to regrow lost forests



Global Water Monitor | 2022 Summary Report

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

The year 2022 will be remembered as the third consecutive La Niña year. There were extraordinarily devastating floods in Pakistan, while multi-year droughts in eastern South America, the western US...

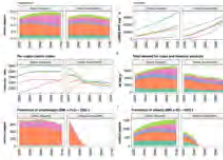


Integrating multiple information sources for landslide hazard assessment: the case of Italy

 nature.com

Scientific Reports - Integrating multiple information sources for landslide hazard assessment: the case of Italy

Politics



Overcoming global inequality is critical for land-based mitigation in line with the Paris Agreement

 nature.com

In a world of deepening inequalities, climate policies might be feasible in high-income countries only. Here the authors find that overcoming global inequality through sustainable socio-economic development is critical for



Deforestation: proposed EU import ban may fail to protect tropical rainforests and farmers – here's how it should work

 theconversation.com

The EU have introduced a new regulation on the import of products linked to deforestation – but will this reduce deforestation globally?



Kenya declares war on millions of birds after they raid crops

 theguardian.com

Toxic pesticides used to eradicate grain-eating quelea may harm the country's endangered raptors, say conservationists



Increasing freshwater supply to sustainably address global water security at scale

 nature.com

Scientific Reports - Increasing freshwater supply to sustainably address global water security at scale

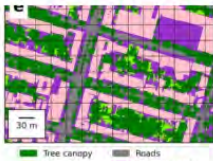


Educazione sul suolo: concorso europeo per le attività nelle scuole (in Italian)

arpae.it

Il concorso, lanciato da PREPSOIL, è rivolto a scuole primarie e secondarie. Scadenza 25 gennaio 2023

Science, info & more...



New York City's greenery absorbs a surprising amount of its carbon emissions

iop.org

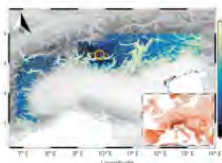
A study of vegetation across New York City and some densely populated adjoining areas has found that on many summer days, photosynthesis by trees and grasses absorbs all the carbon emissions produced by cars,



The era of the megalopolis: how the world's cities are merging

theconversation.com

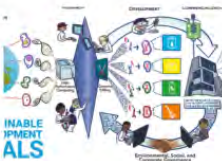
Quite how to gauge the size of a city – or where one ends and the next begins – is getting harder to determine. The 21st century belongs to the limitless city.



Recent waning snowpack in the Alps is unprecedented in the last six centuries

nature.com

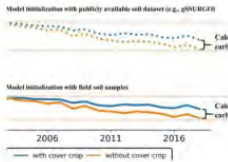
Snow is an important component of the environment and climate of mountain regions, but providing a long-term historical context for recent changes is challenging. Here, the authors use ring-width data from shrubs



The little things that matter: microbial biodiversity for the UN SDGs

nature.com

The astronomical number of individual microorganisms that exist on Earth provides an immeasurable trove from which potential microbial-based solutions can be drawn upon to drive the development of



Research could simplify process for calculating soil carbon credits

sciencedirect.com

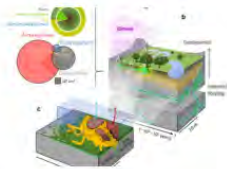
Cropland carbon budget depicts the amount of carbon flowing in and out of agroecosystems and the changes in carbon stocks of soil and living biomass d...



Increased atmospheric dust is masking greenhouse gases' warming effect

nature.com

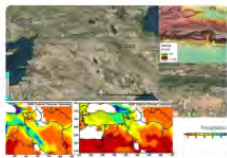
A new study shows that global atmospheric dust—microscopic airborne particles from desert dust storms—has a slight overall cooling effect on the planet that has hidden the full amount of warming caused by



The contribution of living organisms to rock weathering in the critical zone

nature.com

npj Materials Degradation - The contribution of living organisms to rock weathering in the critical zone



Neolithic hydroclimatic change and water resources exploitation in the Fertile Crescent

nature.com

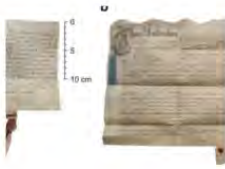
Scientific Reports - Neolithic hydroclimatic change and water resources exploitation in the Fertile Crescent



How the last 12,000 years have shaped what humans are today

phys.org

While humans have been evolving for millions of years, the past 12,000 years have been among the most dynamic and impactful for the way we live today, according to an anthropologist who organized a special journal



Tracking the British agricultural revolution through the isotopic analysis of dated parchment

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

Scientific Reports - Tracking the British agricultural revolution through the isotopic analysis of dated parchment



Warning of unprecedented heatwaves as El Niño set to return in 2023

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

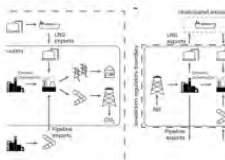
Scientists say phenomenon coupled with growing climate crisis likely to push global temperatures 'off the chart'



Four ways winter heatwaves affect humans and nature

 phys.org

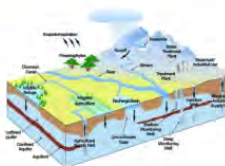
An extreme winter heatwave meant countries across Europe experienced a record-breaking New Year's Day. New daily temperature records for the month of January were set in at least eight countries: Belarus, Czechia,



Significant reductions in global greenhouse gas emissions still possible

 phys.org

About a quarter of the world's electricity currently comes from power plants fired by natural gas. These contribute significantly to global greenhouse gas emissions (amounting to 10% of energy-related



Groundwater replenishes much faster than scientists previously thought

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

A large part of the world's liquid freshwater supply comes from groundwater. These underground reservoirs of water—which are stored in soil and aquifers—feed streams, sustain agricultural lands, and provide



Environmental scientists identify priorities to address pressing issues

wiley.com

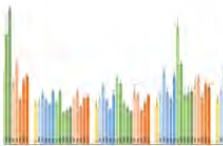
Accelerating environmental challenges increases the need to focus synthesis science on the most pressing questions. Seven priority research topics emerged: (1) diversity, equity, inclusion, and justice (DEIJ), (2)



How pastoral farming can help to avoid a biodiversity crisis

theconversation.com

Pastoral communities should be included in conservation initiatives – but the ecology of pastoral lands has long been misunderstood. .



A comparative study of fifteen cover crop species for orchard soil management: water uptake, root density traits and soil aggregate stability

nature.com

Scientific Reports - A comparative study of fifteen cover crop species for orchard soil management: water uptake, root density traits and soil aggregate stability



Less intensively managed grasslands have higher plant diversity and better soil health, research shows for first time

wiley.com

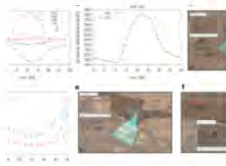
Researchers have shown—for the first time—that less intensively managed British grazed grasslands have on average 50% more plant species and better soil health than intensively managed grassland. The



Why growing fungi at home is beginning to mushroom

theguardian.com

Home fungus growers can boost soil quality in small gardens and cultivate exotic varieties using coffee grounds and online kits



The diverse meteorology of Jezero crater over the first 250 sols of Perseverance on Mars

[nature.com](#)

Meteorology measurements from NASA's Perseverance rover on Mars reveal a diversity of processes at work in the atmospheric boundary layer at Jezero crater over a range of temporal scales.



Geological, multispectral, and meteorological imaging results from the Mars 2020 Perseverance rover in Jezero crater

[science.org](#)

Perseverance's Mastcam-Z instrument provides high-resolution stereo and multispectral images with a unique combination of spatial resolution, spatial coverage, and wavelength coverage along the rover's traverse in



Arrakis: the tiny satellite aiming to reveal what dark matter is made of

[theconversation.com](#)

By spotting and counting tiny galaxies, we can work out how much dark matter is hiding in the cosmos.



Postdoctoral Fellow in Agronomy and Soil Sciences in arid areas. Mohammed VI Polytechnic University. Benguerir, Morocco

[researchgate.net](#)

Soil salinization is a major local soil degradation process, which results in the temporary or permanent loss of arable land. This is mainly driven by increased salt content in soil leading to reduced crop growth.



Associate Professor of physical geography - natural hazards Norwegian University of Science and Technology Trondheim, Norway

[researchgate.net](#)

The Department of Geography at the Norwegian University of Science and Technology invites applications for a full-time associate professor in Physical Geography, with particular focus on natural hazards relevant to

Jobs

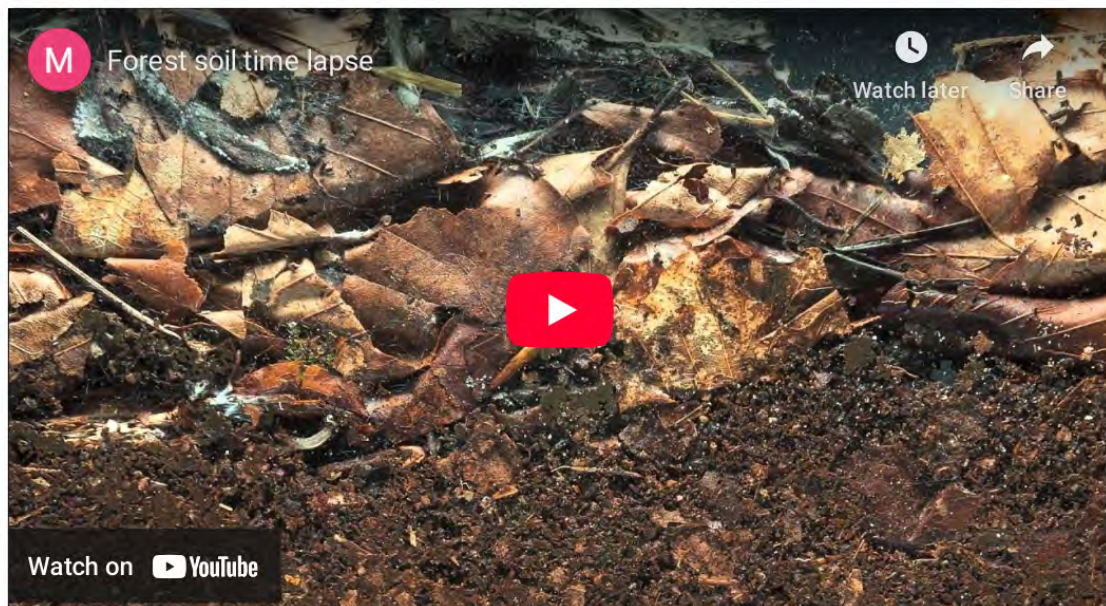


Associate Professor of Health Design in Landscape Architecture - University of Copenhagen. Copenhagen, Denmark

hr-manager.net

We seek candidates to perform excellent research and teaching within evidence-based health design in landscape architecture.

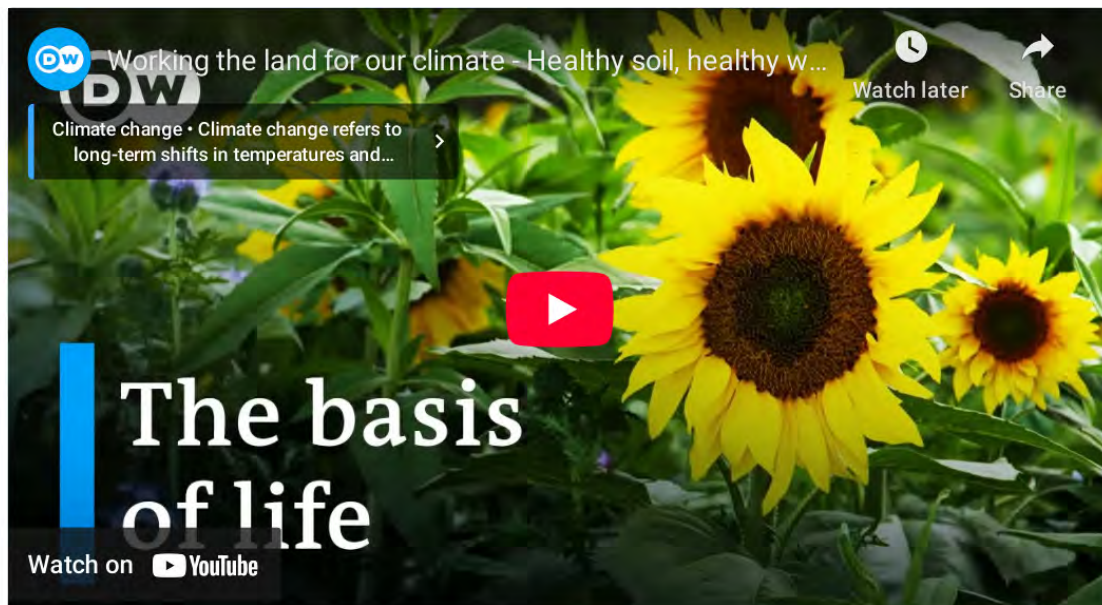
Videos



Forest soil time lapse

YouTube

Forest soil time lapse Bioturbation is the mixing of (plant) residues into soils and sediments by biotic activity. It is one of the fundamental processes in e...



Working the land for our climate - Healthy soil, healthy world | DW Documentary

YouTube

Every year, over 100,000 square kilometers of good soil is lost worldwide. The ground is concreted over, treated with chemicals, and farmed carelessly. Yet it ...



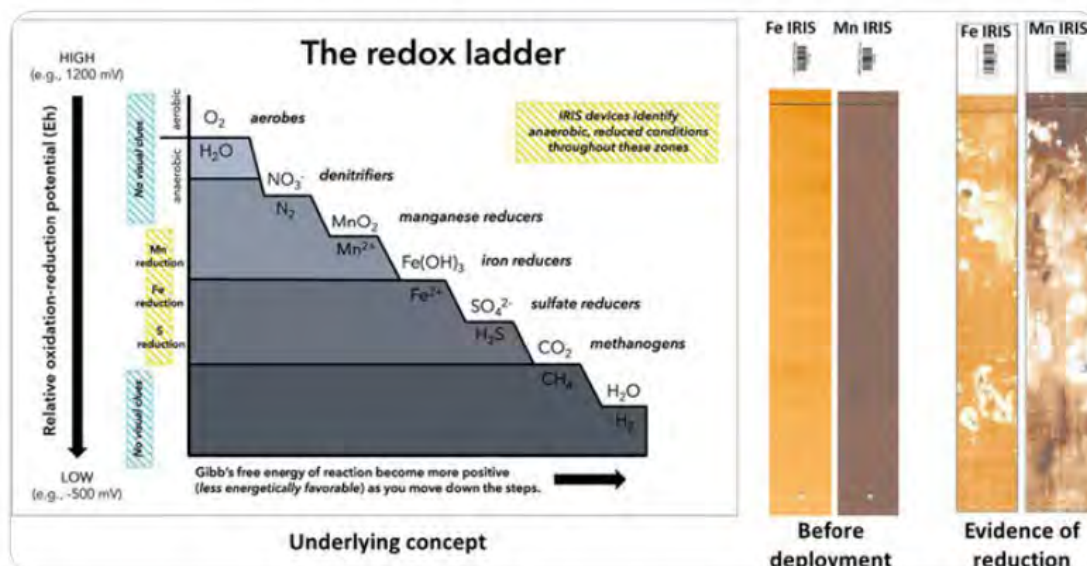
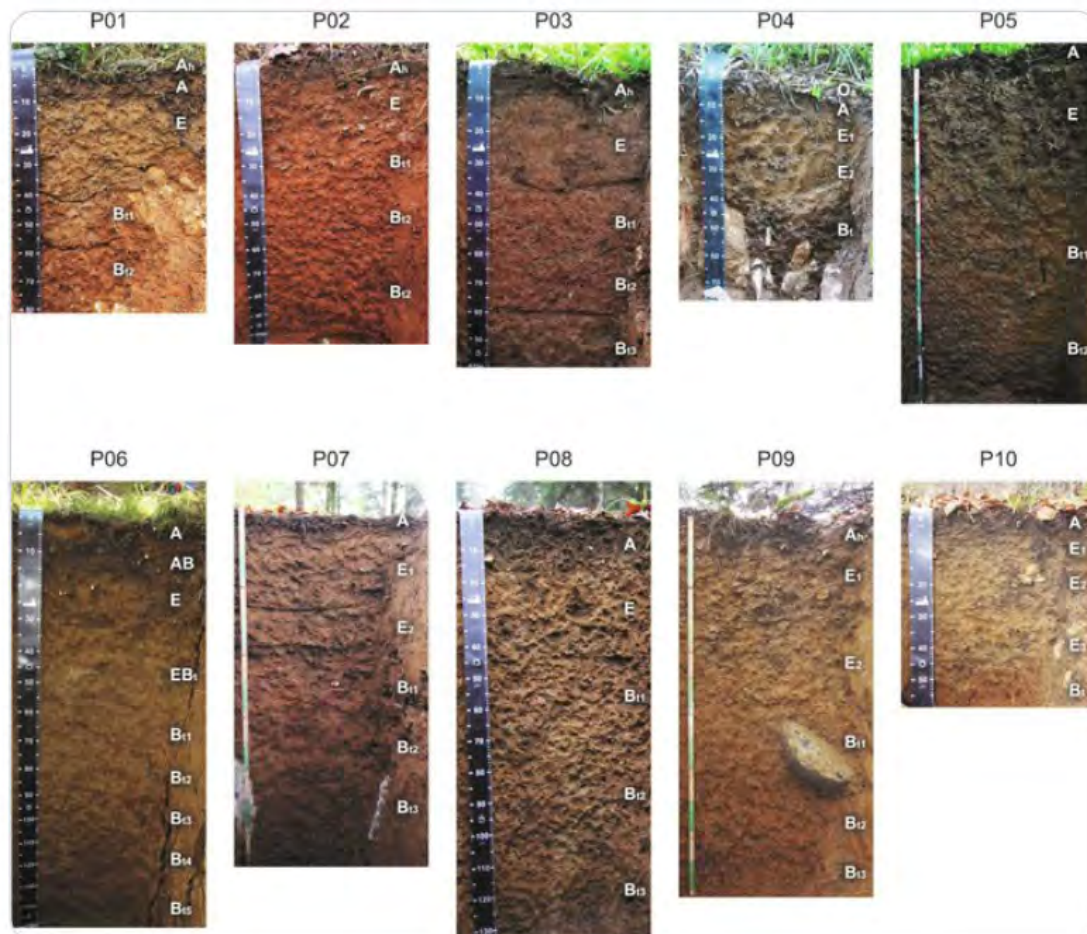
Into the Soil | Regenerative Farming & Food Fermentation

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...



Photos (& some news too)



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