

Created by [cheterrapesti](#)

Powered by [wakelet](#)

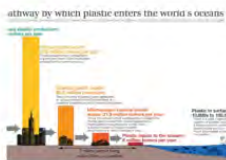


a world of soil... ..a sustainable world! (suggested view with 4 columns)



---

# Headlines



## Plastic Pollution

 [ourworldindata.org](https://ourworldindata.org)

The use of plastics has many benefits – it is affordable, versatile, resistant, and can help reduce other forms of waste – especially food waste. However, when poorly managed it can pollute the environment



## Why soil is a surprisingly noisy place

 [bbc.com](https://bbc.com)

The worms, grubs and roots rummaging unseen beneath our feet produce a cacophony of sounds that we are only just starting to listen to and understand.



## Global Land Outlook 2nd edition

 unccd.int

The second edition of the Global Land Outlook (GLO2), Land Restoration for Recovery and Resilience, sets out the rationale, enabling factors, and diverse pathways by which countries and communities can reduce and



## Global nature run data with realistic high-resolution carbon weather for the year of the Paris Agreement

 nature.com

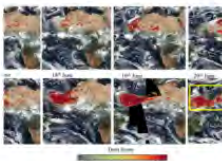
Measurement(s) atmospheric carbon dioxide, methane and carbon monoxide Technology Type(s) numerical simulation Factor Type(s) None Sample Characteristic - Organism long-lived greenhouse gases Sample



## Does 'green energy' have hidden health and environmental costs?

 theconversation.com

No energy source is perfect, but solar and wind have a much lower health and environmental footprint than fossil fuels, a study finds. Biopower, though, is a mixed bag.



## Investigation of June 2020 giant Saharan dust storm using remote sensing observations and model reanalysis

 nature.com

Scientific Reports - Investigation of June 2020 giant Saharan dust storm using remote sensing observations and model reanalysis

---

# Politics



## EU unveils plan for 'largest ever ban' on dangerous chemicals

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

Up to 12,000 substances could fall within the scope of the new 'restrictions roadmap'



## ACT for LAND Campaign

[actforland.eu](https://actforland.eu)

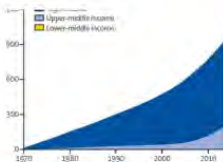
This is a story that nobody likes. A story about a planet losing its skin, its own life. While world leaders argue the living land continues to turn into desert



## California accuses ExxonMobil of deceiving public on hazards of plastics

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

Attorney general has launched an inquiry into fossil fuel companies' role in causing global environmental crisis



## USA and EU are responsible for the majority of ecological damage caused by excess use of raw materials

[thelancet.com](https://thelancet.com)

These results show that high-income nations are the primary drivers of global ecological breakdown and they need to urgently reduce their resource use to fair and sustainable levels. Achieving sufficient reductions



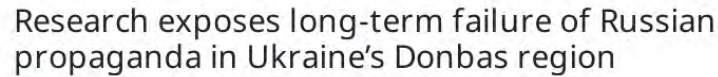
## Killing us softly every day: why the UK must wise up on air quality

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

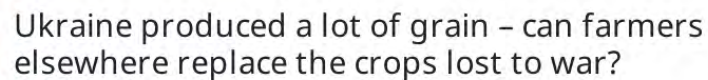
The news that almost all of us are breathing in unacceptable levels of pollution shows the government's complacency



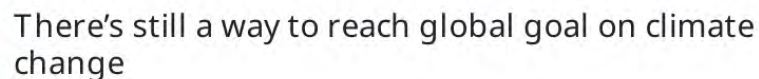
Transitioning to fossil-free transport and reducing car use are necessary to meet European and national climate goals. Cities are promising leverage p...



A study of thousands of stories from media outlets churning out propaganda in Ukraine's Donbas in the years after Russia's first invasion suggests that the Kremlin's disinformation campaign has long neglected



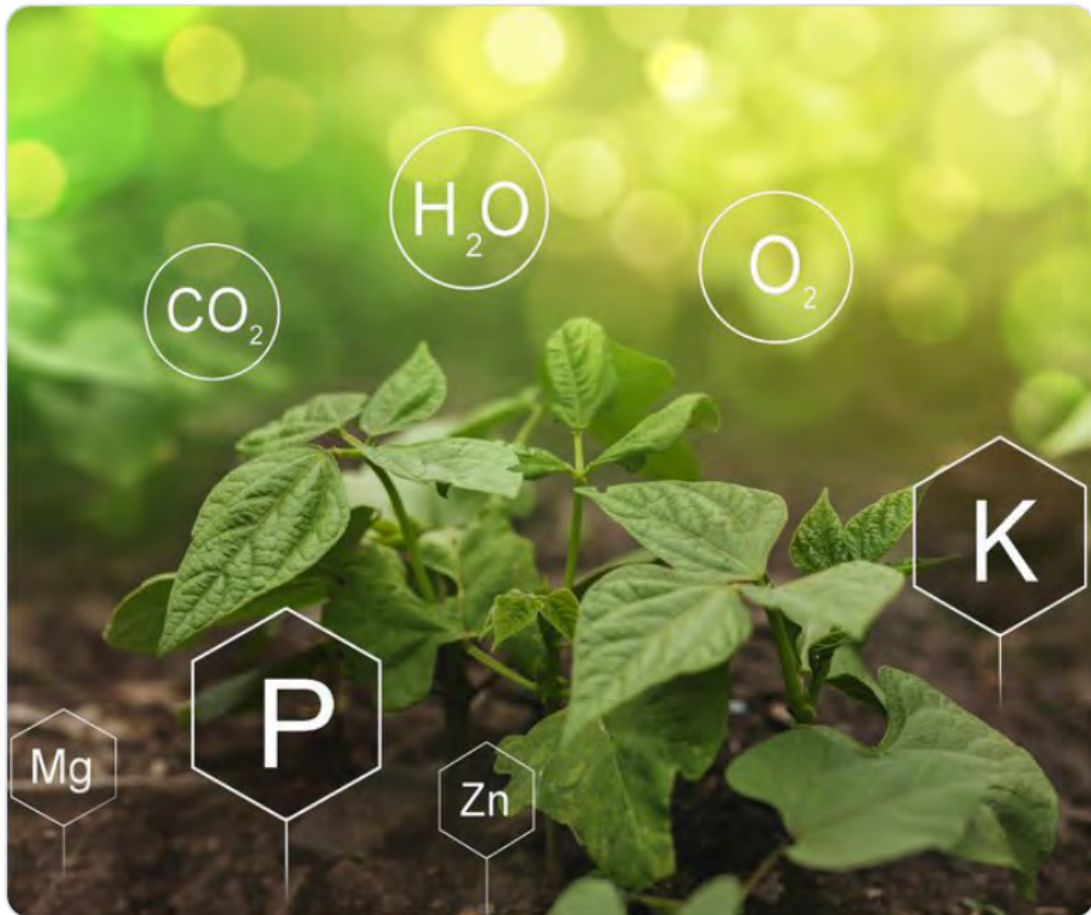
Ukraine and Russia account for around 12% of the global market in food calories.



If nations do all that they've promised to fight climate change, the world can still meet one of two internationally agreed upon goals for limiting warming. But the planet is blowing past the other threshold that



A new model simulation of climate change during the past 2 million years indicates that the appearances and disappearances of hominin species correlate with long-term climatic anomalies.



## Science, news & more...



Dune: we simulated the desert planet of Arrakis to see if humans could survive there

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

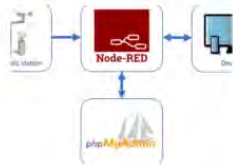
Is Dune scientifically plausible? We ran a climate model to find out.



Gli antenati dei moderni asiatici arrivarono prima in Europa (in Italian)

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

Uno studio suggerisce che i primi esseri umani provenienti dall'Africa non si separarono immediatamente in una popolazione orientale e una occidentale.



## Agroclimatic Evolution web application as a powerful solution for managing climate data

 [nature.com](#)

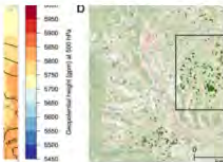
Scientific Reports – Agroclimatic Evolution web application as a powerful solution for managing climate data



## Storia di una frana (In italian)

 [nature.com](#)

Uno studio ha ricreato, attraverso una simulazione, diverse versioni di un disastro del 2009, per capire come il cambiamento climatico influenza il rischio di frane.



## A severe landslide event in the Alpine foreland under possible future climate and land-use changes

 [nature.com](#)

The area affected by a landslide analogous to an Alpine foreland event in 2009 could be up to 45% larger under 4 K of global warming, or 10% if warming is limited in line with the Paris Agreement, according to



## Droughts self-propagate, just like wildfires

 [phys.org](#)

Up to 30% of the rainfall deficit can be caused by “drought self-propagation,” the DRY-2-DRY European Research Council (ERC) project shows.



## Thawing permafrost is roiling the Arctic landscape, driven by a hidden world of changes beneath the surface as the climate warms

 [theconversation.com](#)

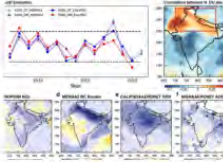
Ground is collapsing and massive lakes are draining in a matter of days. Thawing permafrost is having profound effects on the region and its infrastructure.



## Italy seeks to study, sample Europe's southernmost glacier

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

Italian scientists are racing against time to study, scan and sample Europe's southernmost glacier before it melts and disappears as a result of rising global temperatures.



## Black carbon-climate interactions regulate dust burdens over India revealed during COVID-19

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

Black carbon produced by human activities impacts climate. Here, the authors find that black carbon-climate interactions regulate Indian dust during the premonsoon season and further affect the outbreak of the



## Paired gas measurements: A new biogeochemical tracer?

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

The Apparent Respiratory Quotient of Soils and Tree Stems and the Processes That Control It



## The pleasant smell of wet soil indicates danger to bacteria-eating worms, researchers find

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

The smell of geosmin is unmistakable: It's the odor that permeates the air after a summer rain squall or fills your nose while gardening. It's the smell of wet soil—an earthy, almost comforting scent.



## NASA's EMIT will map tiny dust particles to study big climate impacts

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

To help researchers model climate effects, the Earth Surface Mineral Dust Source Investigation mission will measure the composition of minerals that become airborne dust.



## Tree loss in tropics casts doubt over climate goals

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

Tropical regions of the world lost 11.1 million hectares of forest cover in 2021, new data shows, calling into question global pledges to end deforestation by 2030.



## How to survive a heatwave

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

Countries can adapt to intensifying heatwaves – but there's a limit.



## Do mushrooms really use language to talk to each other? A fungi expert investigates

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

New research has found what may be language in electrical impulses transmitted between mushrooms.



## Using drones to study forest canopy in UNESCO world heritage site

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

Old-growth forests provide windows into the history of both landscapes and climate. Furthermore, as the pressures of climate change and biodiversity loss amplify, studying and monitoring old-growth forests



## Growing up in rural or suburban areas improves spatial navigation

[medicalxpress.com](https://medicalxpress.com)

People who grew up in rural or suburban areas have better spatial navigation skills than those raised in cities, particularly cities with grid-pattern streets, finds a new study led by researchers at UCL, University of



## Le reazioni alla valutazione della ricerca italiana (in Italian)

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

L'ANVUR elogia le università per i risultati su giovani e terza missione, ma è accusata da alcuni di mancanza di trasparenza.

---

# Jobs



Tenure Track Position for a Scientist and future Working Group Leader (m/f/d) on "Demand-Driven Innovations in the Agri-Food System".  
Müncheberg, Germany

[researchgate.net](https://researchgate.net)

- conceptualize and investigate agri-food systems' transformation with a focus on the urban-rural interface within agricultural landscapes - assess the conditions and new system trajectories which align regional agri-food



Assistant Professor in Molecular Environmental Science. Mohammed VI Polytechnic University  
Benguerir, Morocco

[successfactors.eu](https://successfactors.eu)

The successful applicant will conduct research in molecular environmental science willing to understand the mechanisms controlling the fate and behavior of elements in the environment, from the weathering of the



UNIVERSITY OF  
GOTHENBURG

Associate Senior Lecturer in Ecosystem Science.  
Göteborgs universitet, Göteborg, Sweden

[reachmee.com](https://reachmee.com)

We are seeking a highly motivated young scientist with profound experience on greenhouse gas (GHG) flux measurements from terrestrial ecosystems by using eddy covariance (EC) techniques. The successful



Nature Is Speaking – Edward Norton is The Soil | Conser...



Watch later



Share

# EDWARD NORTON IS THE SOIL



Watch on  YouTube

[natureisspeaking.org](http://natureisspeaking.org)

## Nature Is Speaking – Edward Norton is The Soil | Conservation International (CI)

 YouTube

Julia Roberts, Harrison Ford, Edward Norton, Penélope Cruz, Robert Redford and Ian Somerhalder all join forces to give nature a voice. Watch the films and tak...



## Bean Time-Lapse - 25 days | Soil cross section

YouTube

Kidney bean time lapse with soil cross section. Showing how roots and upper part of plant grows.  
Play speed - 17280x (one shot every 9 minutes 36 seconds play...

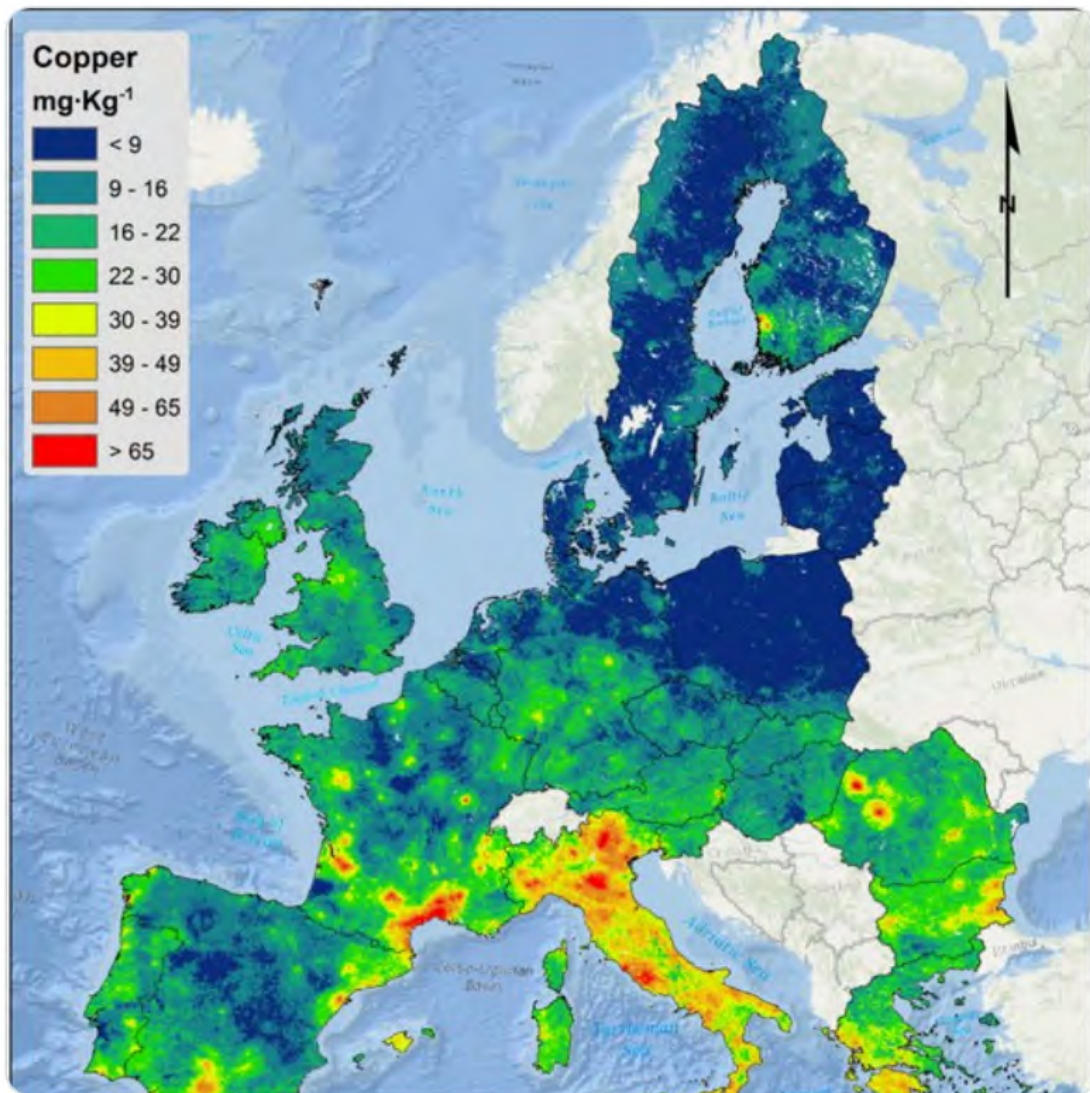


## What is Soil (and Why is it Important)?: Crash Course Geography #17

YouTube

Soil brings together all four spheres of physical geography, and understanding soil composition is kind of like baking! So in today's episode, we're going to s...







---

Number closed in Bologna (Italy) May. 4th, 2022. 1:18 PM (CET)

Contact us:

Twitter at [@cheterrapesti](#)

Facebook at [CheTerraPesti - The earth beneath your feet](#)

mail: [fmalucelli \(at\) arpae.it](mailto:fmalucelli@arpae.it)

