



CheterraPesti #87- The earth beneath your feet
magazine. Aug. 30, 2022

62 Items

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



Il suolo perso è perso per sempre - Omnis Magazine (in Italian)

[omnismagazine.com](#)

"Il consumo di suolo, non solo non rallenta, ma nel 2021 riprende a correre con maggiore forza, superando la soglia dei 2 metri quadrati al secondo e sfiorando i 70 chilometri quadrati di nuove coperture artificiali



Consumo di suolo, dinamiche territoriali e servizi ecosistemici. Edizione 2022 (in Italian)

snpambiente.it



Consumo del suolo e cambiamento climatico - Strategie regionali ed europee (in Italian)

undefined

Conferenza internazionale ed escursione 29 e 30 settembre 2022 a Bolzano

Headlines



Arctic is warming nearly four times faster than the rest of the world – new research

theconversation.com

The Arctic is on average around 3°C warmer than it was in 1980.



Extreme heatwaves: surprising lessons from the record warmth

nature.com

Unprecedented temperatures are coming faster and more furiously than researchers expected, raising questions about what to anticipate in the future.



How climate change and unplanned urban sprawl bring more landslides

nature.com

More settlements will suffer as heavy rains and unregulated construction destabilize slopes in the tropics, models show.



Public Consultation on a possible EU Soil Health Law for protecting, sustainably managing and restoring EU soils

[europa.eu](https://europea.eu)

The European Commission has opened a new public consultation to gather input from citizens and stakeholders on a possible EU Soil Health Law. As part of the EU Soil Strategy 2030, the European Commission is



The hiatus of the handshake

science.org

Human contact has been altered in ways that may affect endemic infections for years to come



What is Cop15 and why does it matter for all life on Earth?

theguardian.com

Once-in-a-decade plans to protect the natural world and halt its destruction will be decided in Canada in December



Poland's border wall will cut Europe's oldest forest in half

theconversation.com

A barrier built to stop human migrants will instead cut off animals and scientific cooperation.



Quantifying Earth system interactions for sustainable food production via expert elicitation - Nature Sustainability

nature.com

Determining the safe operating space for sustainable food production depends on the interactions of multiple processes within the Earth system. Expert knowledge provides critical insight into how these



How Colombian coffee farmers helped my climate-change research

 nature.com

Community engagement enabled Jessica Eise to boost the relevance of her research. Here are her six tips for how to do this.

Politics



Cities embrace their water — and build resilience

 nature.com

Briony Rogers helps cities to connect to their environment to better survive drought and storm surges.



How Much Food Can We Grow in Urban Areas?

wiley.com

As urban populations boom, urban agriculture is increasingly looked to as a local food source and a way to help combat inequitable food access. But little is known about how productive urban agriculture is compared to



US fossil fuel firm sues insurer for refusing to cover climate lawsuit

 theguardian.com

Aloha Petroleum's case against AIG could set precedent as to whether firms are protected against climate damage claims

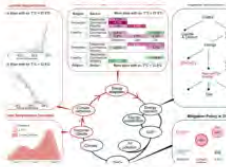
Science, info & more...



Global inventory of suitable, cultivable and available cropland under different scenarios and policies - Scientific Data

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

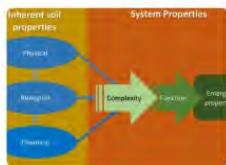
Scientific Data - Global inventory of suitable, cultivable and available cropland under different scenarios and policies



Increased energy use for adaptation significantly impacts mitigation pathways - Nature Communications

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

A new study characterizes adaptation in mitigation pathways, and shows that climate adaptation can lead to higher energy demand, power system costs and carbon prices, with mitigation's benefits compensating



A new theory for soil health

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

We need to change how we think about soil,



Mediterranean wineries are in a climate hotspot. Climatologists are helping them adapt

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

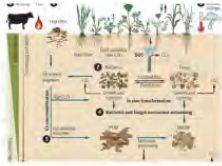
From the possible demise of Merlot grapes in Bordeaux to loss of olive trees in north Africa, the impacts of climate change will be felt by farmers across the Mediterranean region, say climatologists.



More than 57 billion tons of soil have eroded in the U.S. Midwest

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

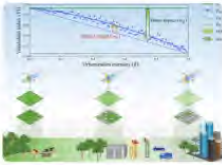
Researchers discovered startling soil erosion rates in the Midwest. Farming has worsened erosion, but no-till practices and cover crops can help.



A fresh look into grasslands as carbon sinks

phys.org

Grasslands have the capability to store carbon, functioning as an important tool in a battle against climate change. While scientific interest in grassland soil for carbon sequestration is not new, researchers from



Direct and indirect impacts of urbanization on vegetation growth across the world's cities

science.org

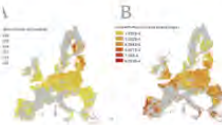
Urban environments, regarded as "harbingers" of future global change, may exert positive or negative impacts on urban vegetation growth.



Astronauts might be able to use asteroid soil to grow crops

sciencenews.org

Researchers grew romaine lettuce, chili pepper and pink radish plants in mixtures of faux asteroid soil and peat moss.



Study on adjusting pesticide regulation and use in European soils

phys.org

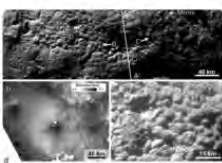
Plant protection products raise concerns because their application may affect certain soil organisms regarded as non-target species and which could be highly sensitive to certain pesticides. The European Food and



Indigenous noble gases in the Moon's interior

science.org

The origin of volatiles in the Moon's interior is debated. Scenarios range from inheritance through a Moon-forming disk or "synestia" to late accretion by meteorites or comets. Noble gases are excellent tracers of



Large-scale cryovolcanic resurfacing on Pluto - Nature Communications

nature.com

Giant icy volcanos (cryovolcanos) on Pluto are unique in the imaged solar system and provide evidence for unexpected, active geology late in Pluto's history.



Rates and drivers of aboveground carbon accumulation in global monoculture plantation forests - Nature Communications

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

Tree planting is a promising yet controversial natural climate solution. Here the authors perform a global analysis of aboveground C accumulation in tree monocultures, identifying key predictors such as



Growing cereal crops with less fertilizer

 phys.org

Researchers at the University of California, Davis, have found a way to reduce the amount of nitrogen fertilizers needed to grow cereal crops. The discovery could save farmers in the United States billions of dollars



Help a photo editor out by creating good pictures in the field

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

Have you ever wondered why some research makes science news and other research doesn't? Of course, content is king but in addition to having significant findings, strong visuals can catch the attention of the



7-million-year-old limb fossils may be from the earliest known hominid

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

An earlier report on one of the bones of a 7-million-year-old creature that may have walked upright has triggered scientific misconduct charges.



The Tonga eruption may have spawned a tsunami as tall as the Statue of Liberty

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

A massive undersea volcanic eruption in the South Pacific in January created a tsunami that was initially 90 meters tall, computer simulations suggest.

Jobs



Scientific Project Officer – Population modelling, European Commission Joint Research Centre (JRC) Ispra, Italy

researchgate.net

We are looking for a population modeller that contributes to the further development of population component of the Global Human Settlement Layer activities. Primarily S/he will develop and apply innovative methods



Assistant Professor in Global Environmental Change Dartmouth College. Hanover, NH - USA

interfolio.com

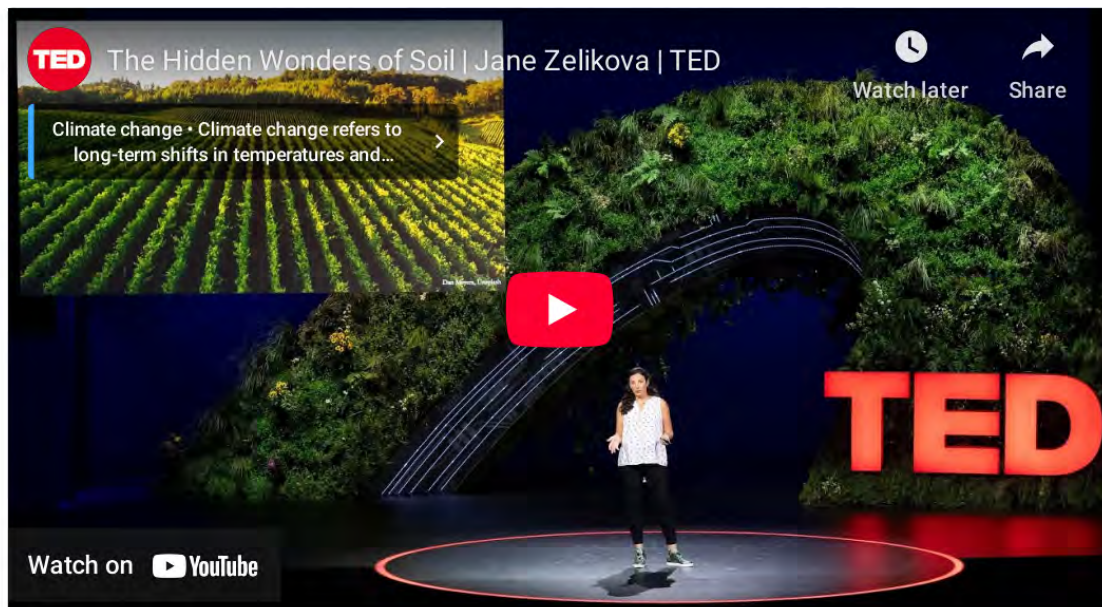
The Department of Geography at Dartmouth College seeks a full-time tenure-track Assistant Professor in Global Environmental Change. Areas of particular interest include present and future hydrology and water



Research Scientist / Senior scientist (geochemistry) Geological Survey of Finland, Espoo, Kuopio, or Rovaniemi. Finland

valtiolle.fi

The Geological Survey of Finland (GTK) is looking for a research scientist or senior scientist for geochemical investigations for the Mineral Economy Solutions unit. Your office is in Espoo, Kuopio, or Rovaniemi,



The Hidden Wonders of Soil | Jane Zelikova | TED

YouTube

From nourishing our foods to storing massive amounts of carbon, soil is teeming with diverse microbial life that could slow global warming. Climate change scientist Jane Zelikova calls for agricultural practices that protect Earth's soil by growing climate-adapted crops that don't mess

Videos



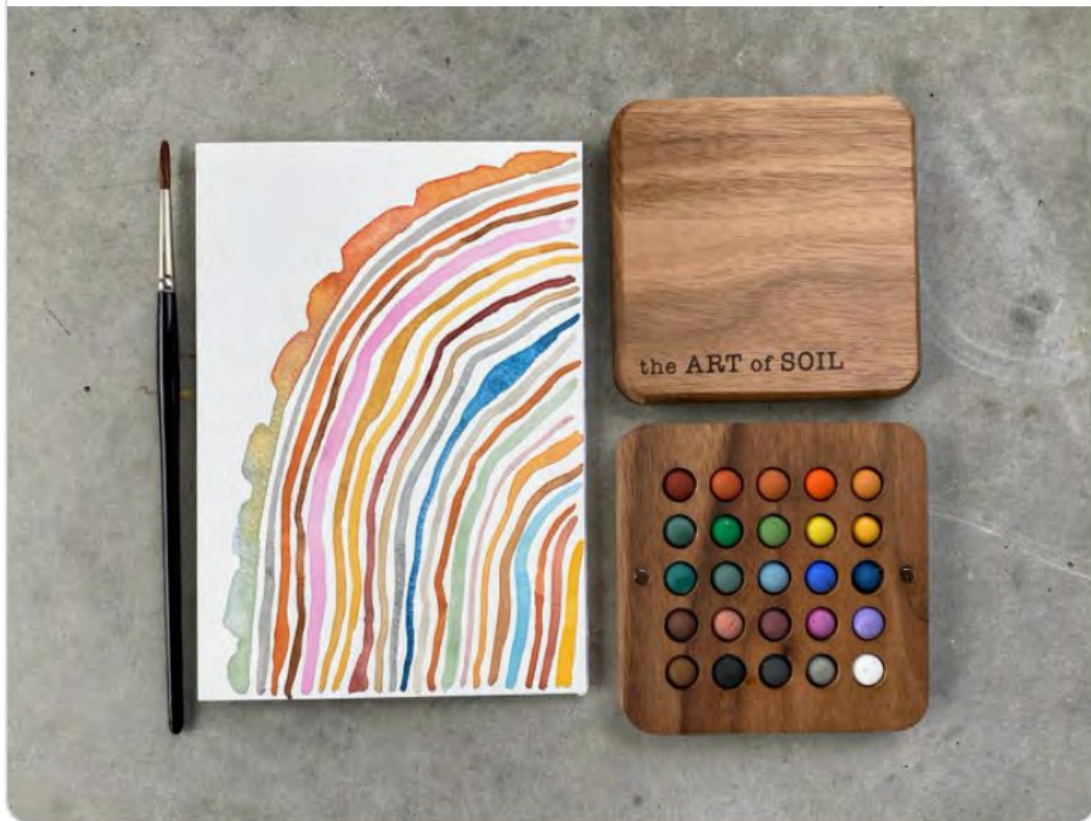
Let's #StopSoilErosion to ensure a food secure future

fao.org

5 reasons why we need to protect our soils



Photos (& some news too)



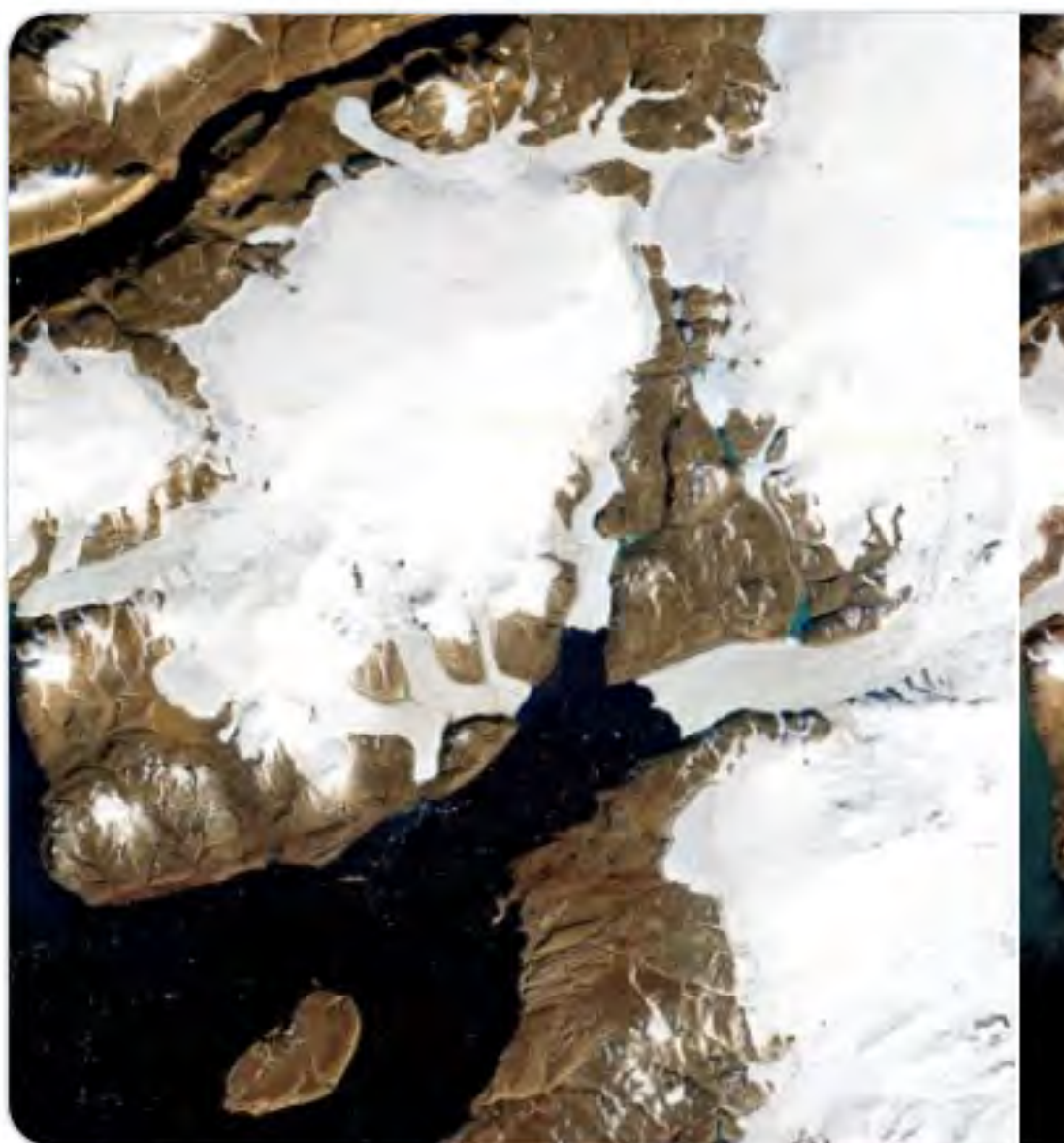
Pakistan floods cause devastation – in pictures

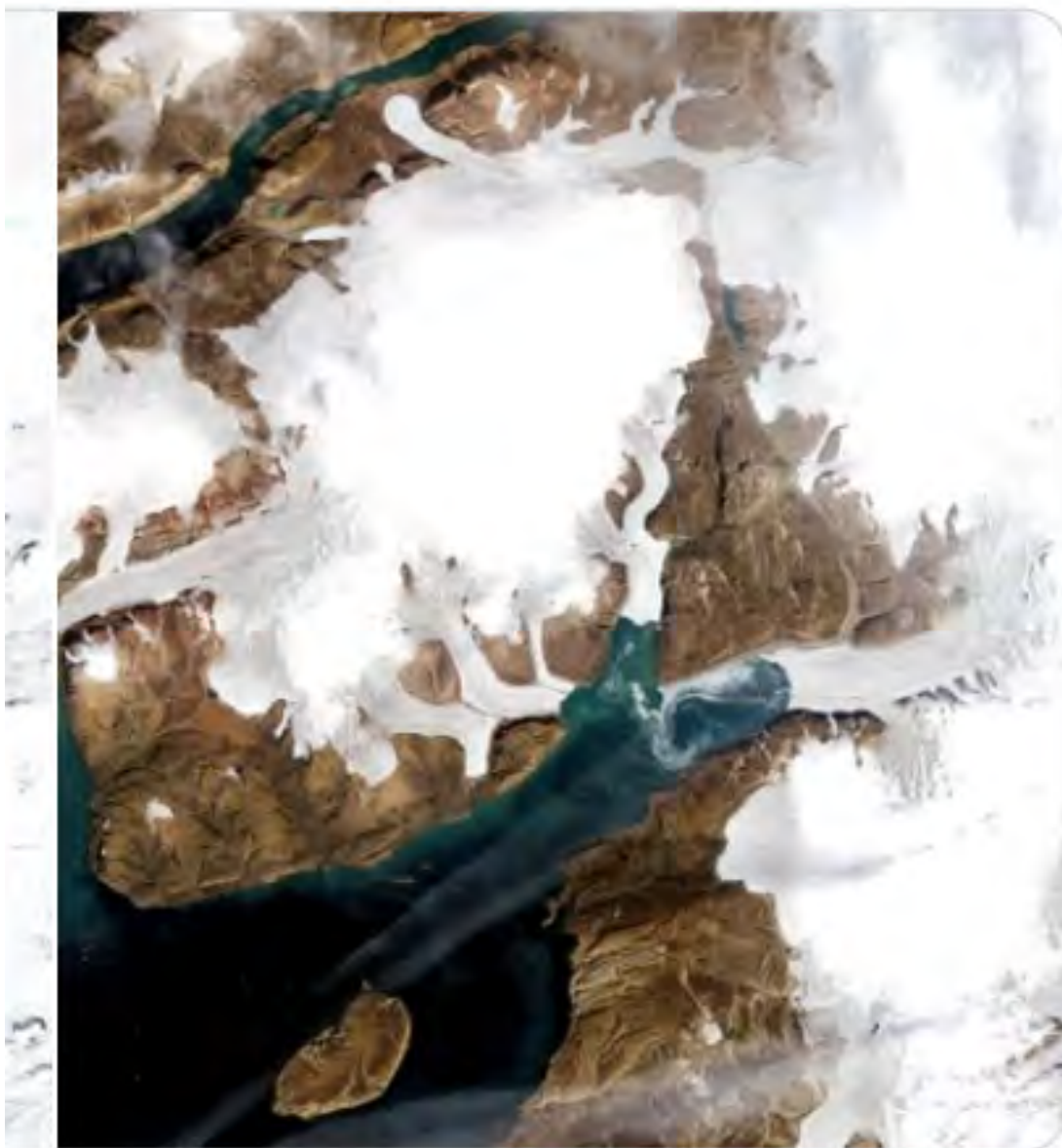
[theguardian.com](https://www.theguardian.com)

Flooding in Pakistan has killed more than 1,000 people and affected over 30 million, in a catastrophe that is still unfolding. 'We are witnessing the worst flooding in the history of the country,' says Dr Fahad Saeed, a









Number closed in Bologna (Italy) Aug. 30, 2022. 6:10 PM (CET)

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