



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



Estimating the environmental impacts of 57,000 food products

[pnas.org](#)

One barrier to enabling transitions to more environmentally sustainable food systems is the lack of detailed environmental impact information. We provide an initial approach to overcome this barrier using publicly

Headlines



Alfred Hartemink on LinkedIn: #soilscience #soil #soils #future

[in](https://www.linkedin.com) linkedin.com

"A More Vital Soil Science Future" - some ideas published in the Soil Science Society of America Journal: <https://lnkd.in/guZtGrYb>. (Open Access) #soilscience...



The EU Mission Soil launches its Manifesto

europea.eu

The EU Mission Soil Manifesto highlights the urgent need for action to protect soil health. It represents a key step for further local engagement by mobilising regions, municipalities, businesses, schools and other



Political ideology and generosity around the globe

pnas.org

In a world severely put under stress by COVID-19, generosity becomes increasingly essential both when able to transcend local boundaries, building upon universalistic values, and when directed toward more local



Incident dementia and long-term exposure to constituents of fine particle air pollution: A national cohort study in the United States

pnas.org

Identifying the culprits of PM_{2.5} constituents that are most responsible for elevated risks of neurodegeneration is of paramount importance. We perform a US nationwide cohort study of the associations between



Residential green space in childhood is associated with lower risk of psychiatric disorders from adolescence into adulthood

pnas.org

Growing up in urban environments is associated with risk of developing psychiatric disorders, but the underlying mechanisms are unknown. Green space can provide mental health benefits and possibly lower risk of



How soils changed life on Earth

theconversation.com

What fossil records tell us about when the Earth was first covered by plants.



Circularity in Europe strengthens the sustainability of the global food system

nature.com

Ensuring that waste or by-products from one process form the input of another is key for food systems sustainability. This study assesses the biophysical potential of redesigning the European (EU27 + UK) food



State spaces for agriculture: A meta-systematic design automation framework

oup.com

Abstract. Agriculture is a designed system with the largest areal footprint of any human activity. In some cases, the designs within agriculture emerged over th



Cut council tax for green gardeners to help cities tackle climate change

phys.org

According to new research from the University of Sheffield, policymakers should offer incentives, such as council tax or water bill discounts, to encourage gardeners to use environmentally sensitive techniques to help



Sustainable investments are on the rise: does the EU have what it takes to fight greenwashing?

 theconversation.com

Markets are increasingly siding with investment choices that prioritise environmental sustainability, social commitment and ethical and transparent corporate governance.



Regional Carbon Farming? An Italian Example

 arc2020.eu

Can local or regional carbon farming programs provide a place-based alternative to a EU-wide, standardised, CAP resembling carbon farming protocol? A look into the Rete Rurale Nazionale in Italy, and how private

Politics



EU environmental watchdog criticises calls to stall pesticides cut

 theguardian.com

European Environment Agency says Ukraine crisis cannot be used to justify delay



Five misused food and farming terms, from natural to intensive – and what they really mean

 theconversation.com

Why 'local' and 'natural' food isn't always good for the environment, and 'industrial' or 'intensive' farming isn't always bad.



Nature as a model for greener cities

 phys.org

Swapping concrete and asphalt for trees, ponds and green roofs is an example of how cities can be adapted to cope with heavy rain and climate change. But time is running out. For nature-based solutions to



Preventing urban flooding in the face of climate change

 phys.org

Planners have come up with many innovative ways to prevent flooding caused by heavy downpours—from planting rain gardens to installing green roofs.



Earth's cathedrals: Europe's mountains are cultural heritage, not just natural heritage

 theconversation.com

Often thought of as eternal, mountains are vulnerable to climate change and tourism. To protect them, they should be recognised for their cultural values, not just their natural characteristics.



The 2023 EU AgriResearch Conference

europa.eu

The third edition of the EU Agricultural Research and Innovation Conference will take place in Brussels from 31 May until 1 June 2023.

Science, info & more...



Soil carbon debt of 12,000 years of human land use

pnas.org

Land use and land cover change has resulted in substantial losses of carbon from soils globally, but credible estimates of how much soil carbon has been lost have been difficult to generate. Using a data-driven



Botanist Stefano Mancuso: 'You can anaesthetise all plants. This is extremely fascinating'

 theguardian.com

An advocate of plant intelligence, the Italian author discusses the complex ways in which plants communicate, whether they are conscious, and what his findings mean for vegans



Air pollution: how bad is particulate matter for your health?

 theguardian.com

Particulate pollution poses one of the greatest environmental risks to health, according to the WHO. So what is a safe level of exposure?



Call for input: Carbon Farming Certification Methodologies

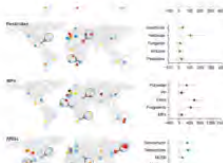
 europa.eu



Unearthing the origins of agriculture

pnas.org

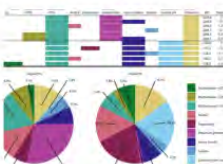
Archaeobiology is offering new insights into the long-debated roots and evolution of the practice that made large human settlements and our modern complex society possible—even if at a cost



Soil contamination in nearby natural areas mirrors that in urban greenspaces worldwide

 nature.com

Liu et al. demonstrate that human-driven soil contamination in natural areas mirrors that in nearby urban greenspaces globally, and highlight the potential influence that soil contaminants have on ecosystem functions.



Global analysis shows soil ecosystems under stress

 phys.org

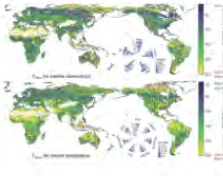
By statistically analyzing data from around the world, scientists have determined that multiple natural and human stressors are reducing levels of biodiversity and soil functioning in soil ecosystems. The number and



Soil restoration may be the key to better health and well-being in urban areas

 nature.com

Biodiversity is widely linked to human health, however, connections between human health and soil biodiversity in urban environments remain poorly understood. Here, we stress that reductions in urban soil



Global variations in critical drought thresholds that impact vegetation

phys.org

In a new study, a group from Peking University, China, present a highly novel data-led method that identifies, at all locations, the onset and extent of vegetation suppression for increasing levels of drought.



Often overlooked, 'residual emissions' are critical to fighting climate change

nature.com

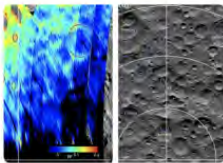
Residual emissions, as a noticeable component of net-zero plans, should be analysed transparently and with specificity. By examining the national long-term strategies, the authors find that currently residual emissions



The current status and future trends of forest understory vegetation

phys.org

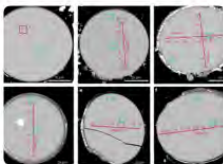
A review published in the journal *Forestry Research* focuses on understory vegetation biodiversity, regeneration, biomass, nutrient content and storage, carbon and nitrogen relationships, functional traits, litter



Study reveals map of moon's water near its south pole

iop.org

The amount and distribution of water on the lunar surface are related to the input and production of water by solar wind and meteoroid bombardment, balanced by photodestruction and mobility across the



New water reservoir on moon

nature.com

Analysis of lunar soils sampled by the Change-5 mission suggests that impact glass beads may host a substantial inventory of solar wind-derived water on the Moon's surface.



Evaluation of viticultural practices on soil organic carbon storage in the Burgundy vineyards. CNRS, Dijon, France

researchgate.net

The proposed Post-Doc project, based on a network of identified plots representative of viticultural practices in the Burgundy Region, aims to i) assess the organic carbon stocks present in viticultural soils, ii) determine



Tenure Track Position for a Scientist (m/f/d) on "Digital Technologies for Ecosystem Service Indicators". Leibniz Centre for Agricultural Landscape Research. Müncheberg, Germany

zalf.de

This Classic Tenure Track Call invites applications with a focus on the development and analysis of indicators that can quantify ecosystem services and biodiversity at the landscape level. Digital tools including

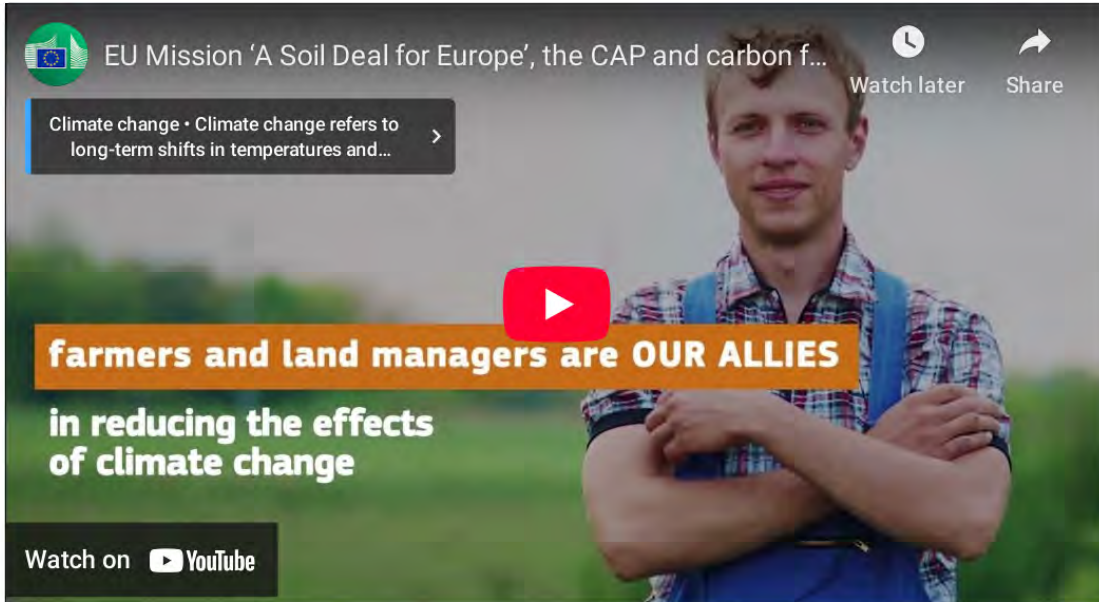
Jobs



Professor in Geostatistics - Geomodeling. Mohammed VI Polytechnic University, Ben Guerir, Morocco

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

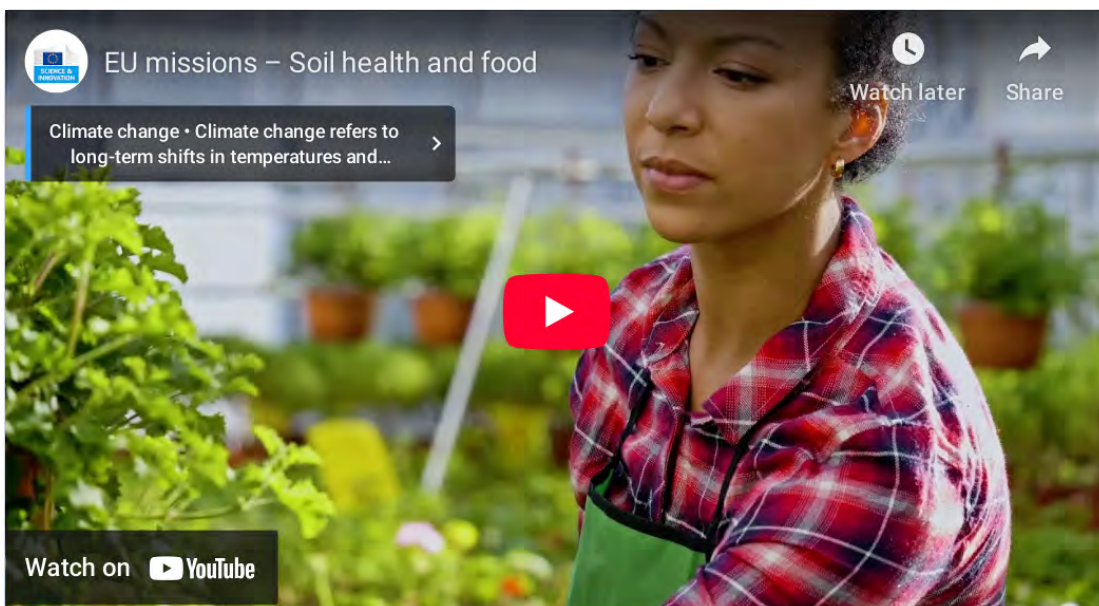
Areas of research: • Data science and analysis • Geostatistics • Geomodeling



EU Mission 'A Soil Deal for Europe', the CAP and carbon farming

 YouTube

EU Mission 'A Soil Deal for Europe', the CAP and carbon farming <https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-...>



Soil health and food

 YouTube

#EUmissions #MissionSoil #EUGreenDeal Land and soils are essential for all life-sustaining processes on our planet. They are the basis for the food we grow as ...

Videos

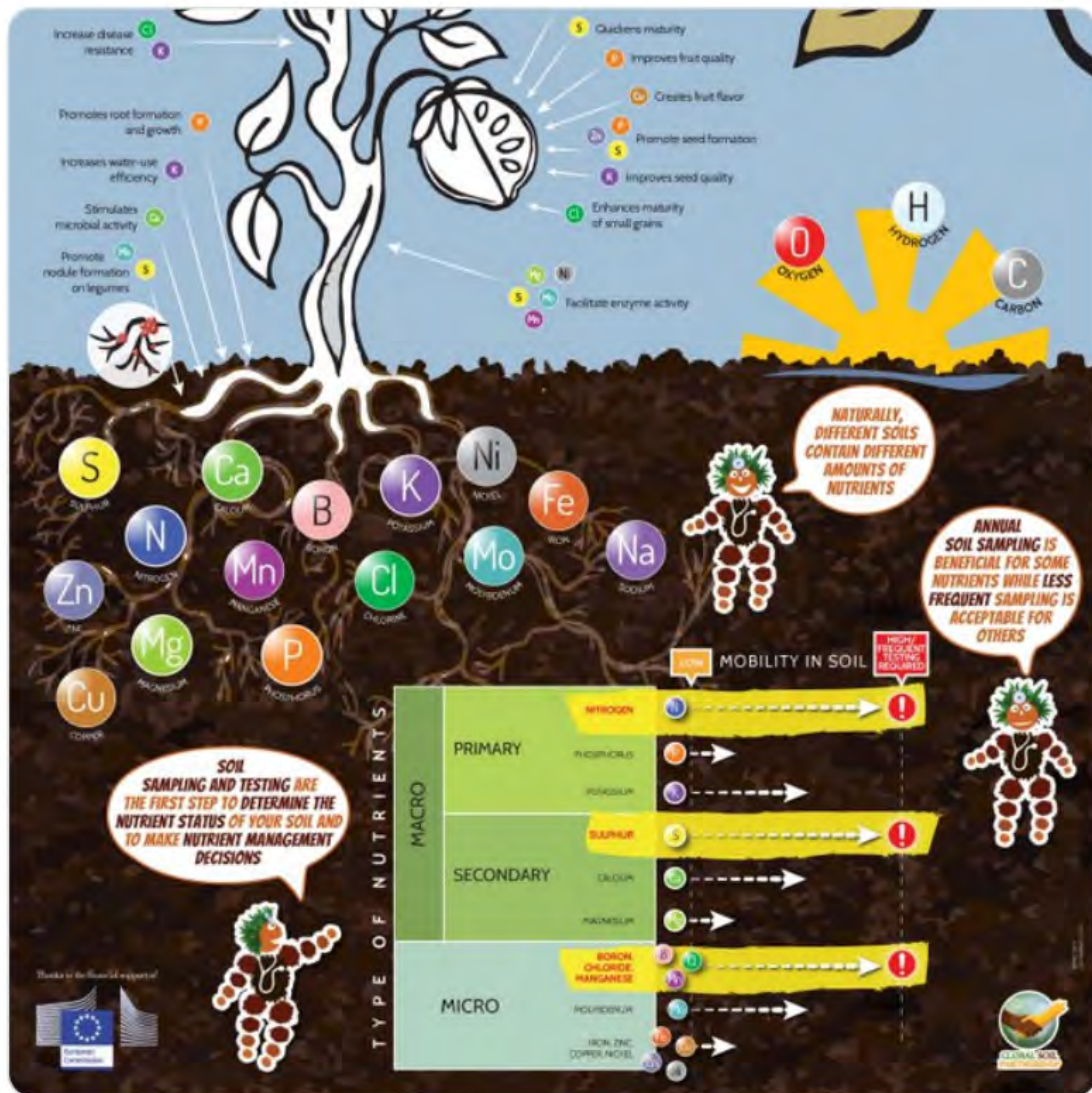


The video player shows a close-up of several earthworms in dark, moist soil. The worms are reddish-brown with lighter segments. The title 'Soil hosts most of our biodiversity' is overlaid in white text. A red play button is in the center. In the top left corner, there is a logo with the EU flag and the text 'Soil Matters' next to a small green plant icon. In the top right corner, there are icons for 'Watch later' and 'Share'. On the left side of the video, there are three small white heart icons. At the bottom left of the video frame, there is a black bar with the text 'Watch on' and the YouTube logo.

Soil Matters 

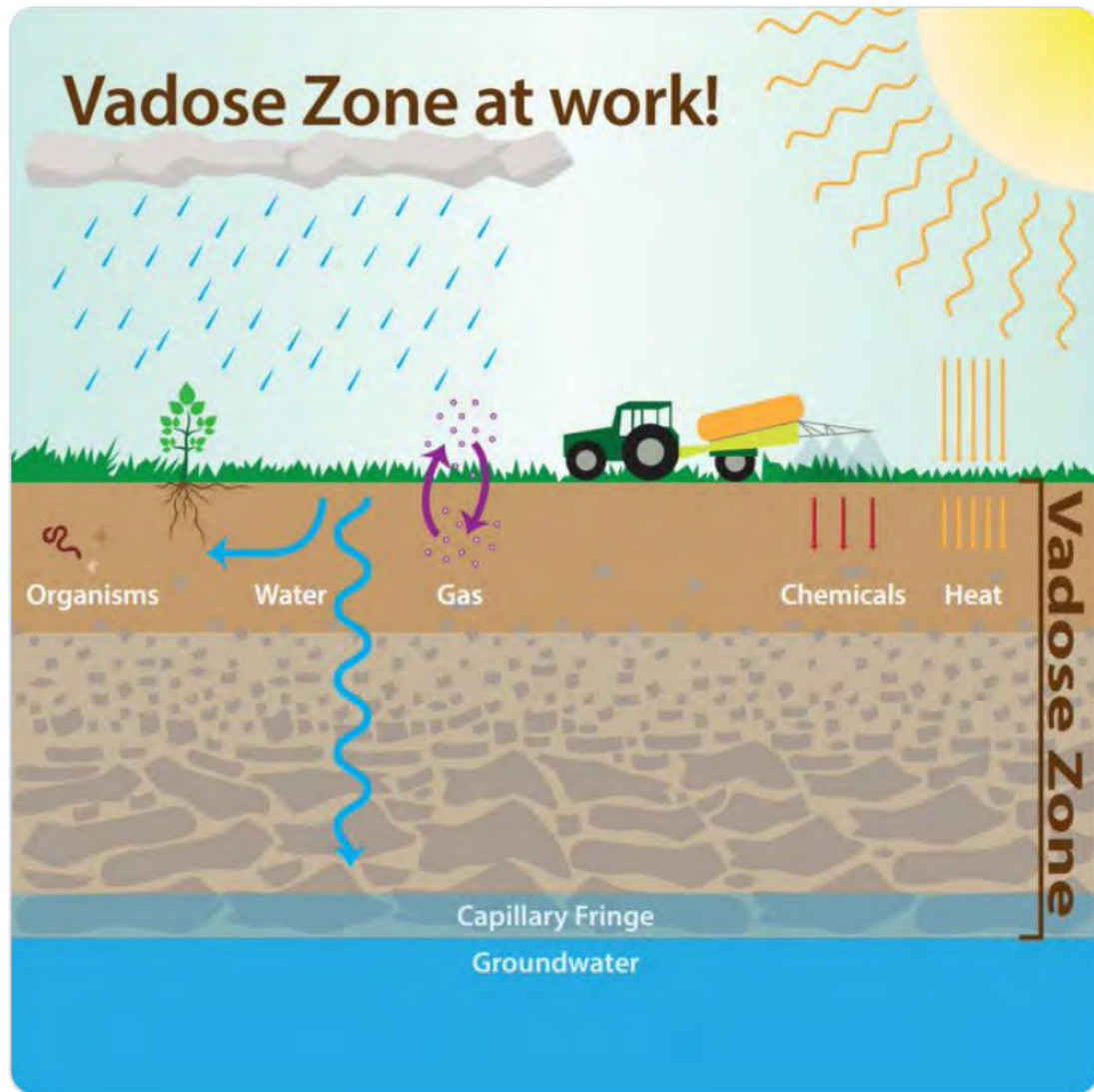
 YouTube

Life on earth depends on soil. Soil provides food, cleans water, captures carbon, hosts biodiversity and recycles nutrients. Learn more about what the EU is do...





Photos (& some news too)







Number closed in Bologna (Italy) May 4, 2023. 10:30 AM (CET)

Contact us:

Twitter at [@cheterrapesti](#)

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

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