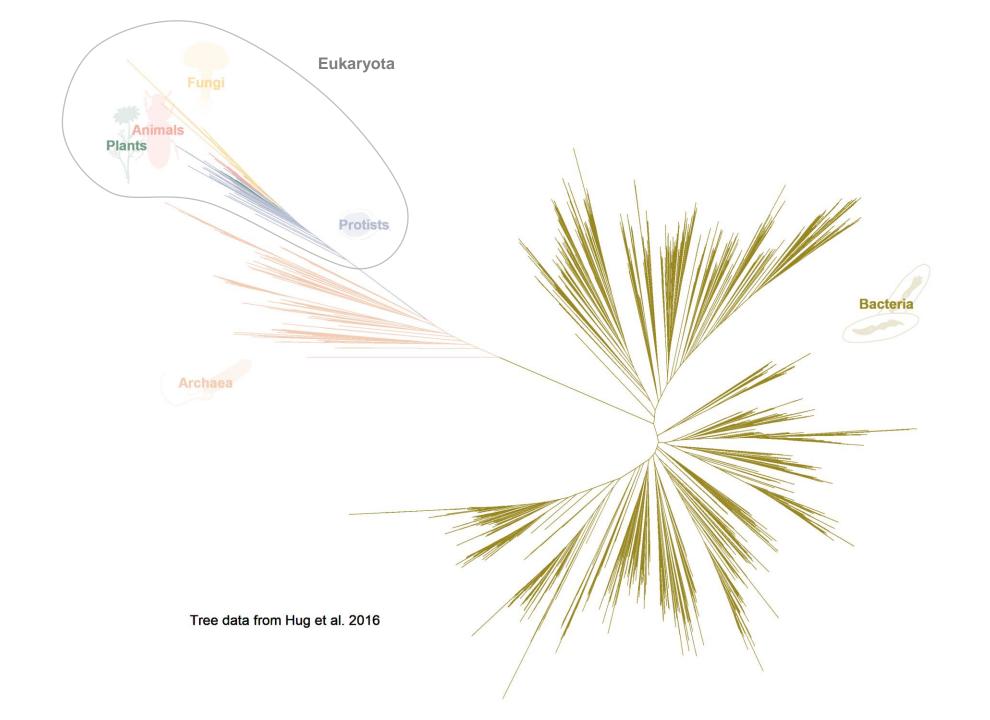


What are fungi?



They're everywhere





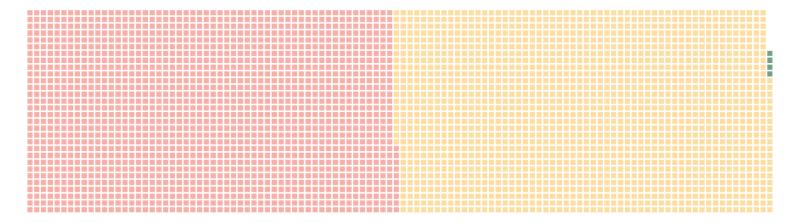
They're everywhere

Total **described** diversity

■ = 100,000 species



Total **estimated** diversity



They interact with everything

Roots and Associated Fungi Drive Long-Term Carbon Sequestration in Boreal Forest

K. E. Clemmensen^{1,*}, A. Bahr², O. Ovaskainen³, A. Dahlberg^{1,4}, A. Ekblad⁵, H. Wallander², J. Stenlid¹, R. D. Finlay¹, D. A. ...

+ See all authors and affiliations

Science 29 Mar 2013: Vol. 339, Issue 6127, pp. 1615-1618 DOI: 10.1126/science.1231923

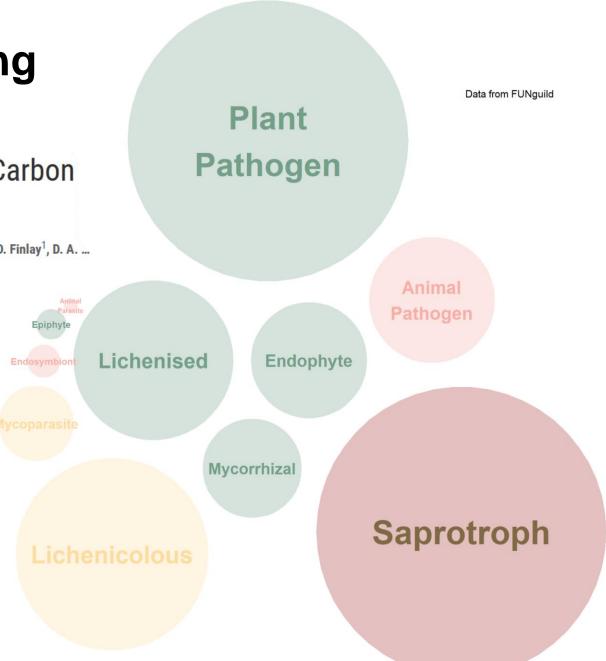
Article Open Access | Published: 07 November 2019

Global mycorrhizal plant distribution linked to terrestrial carbon stocks

Nadejda A. Soudzilovskaia [™], Peter M. van Bodegom, César Terrer, Maarten van't Zelfde, Ian McCallum, M. Luke McCormack, Joshua B. Fisher, Mark C. Brundrett, Nuno César de Sá & Leho Tedersoo

Nature Communications 10, Article number: 5077 (2019) | Cite this article

11k Accesses 8 Citations 249 Altmetric Metrics



They're indispensable to us

Soy sauce and miso

Alcohol

Dairy

Edible fungi

Food

Breadmaking

Meat substitutes

Statins

Medicine

Immunosuppressants

Antibiotics

Biofuels

Leather and cotton processing

Manufacturing and industry

Paper manufacturing

Plastics and biomaterials

Washing detergents

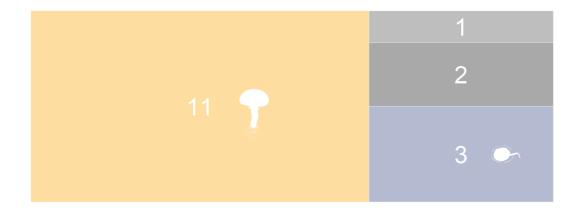
Bioremediation

Environmental management

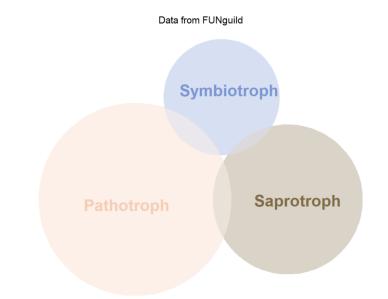
Agricultural biocontrol

They're also a ticking time bomb

Causes of published disease-driven animal and plant extinction/extirpation events



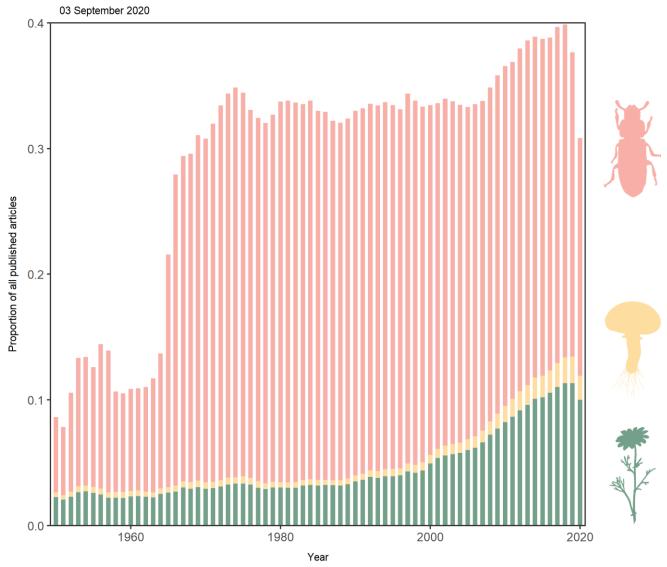






What's the issue?

Representation of the eukaryote kingdoms in Europe PMC



Names - common, scientific, regions etc...



Advanced

About

Assessment process

Resources & Publications

More

English

2 September 2020

Fungi kingdom (343)

Plantae kingdom (43556)

Animalia kingdom (76457)

No one will protect what they don't care about; and no one will care about what they have never experienced

- David Attenborough

Number of UK undergraduate courses for eukaryote kingdoms





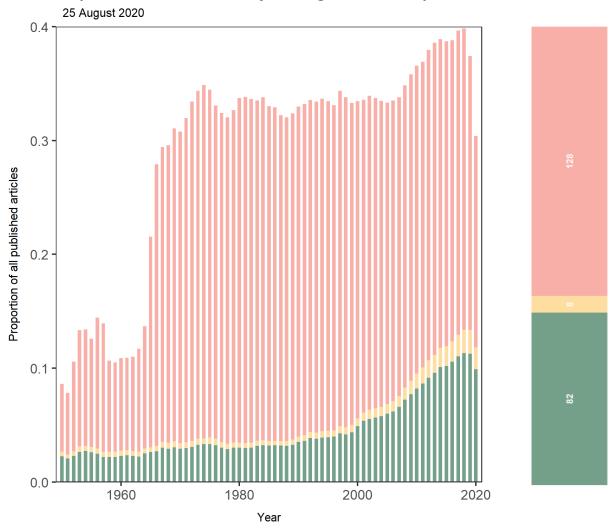


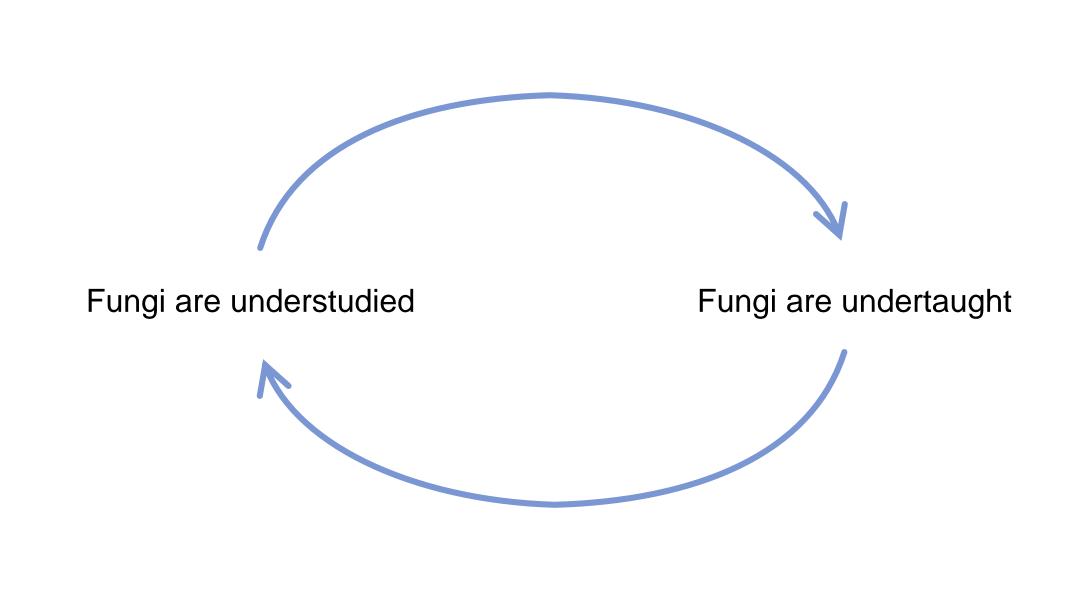
Number of mentions in undergraduate biology module descriptions



Number of mentions in undergraduate biology module descriptions

Representation of the eukaryote kingdoms in Europe PMC





What's the way forward?

No one will protect what they don't care about; and no one will care about what they have never experienced

- David Attenborough

Kew Science Festival



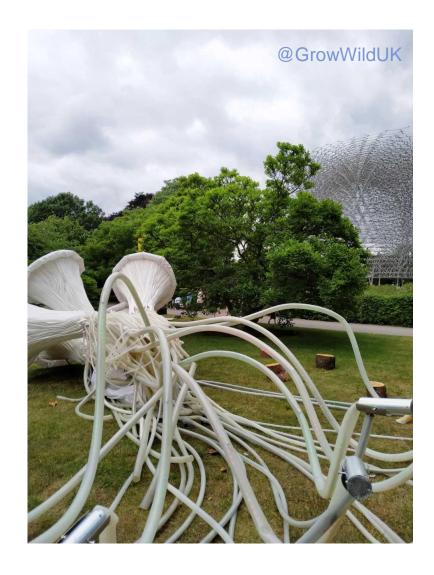
Kew Science @KewScience · Jul 15, 2019

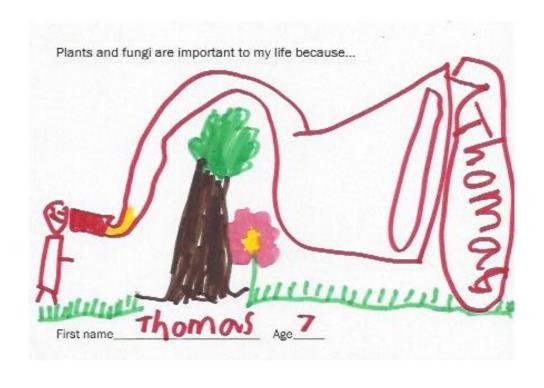
From fungi quests and the DNA factory, to lab tours and debates - come and get involved with our science @kewgardens this weekend 20 - 21 July #KewSciFest expi.co/01nOqB



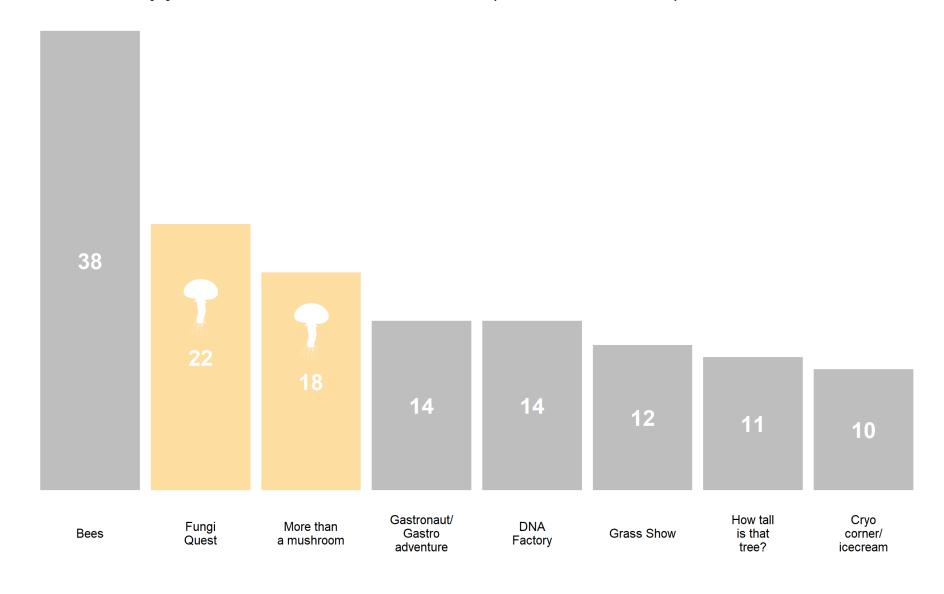


Kew Science Festival

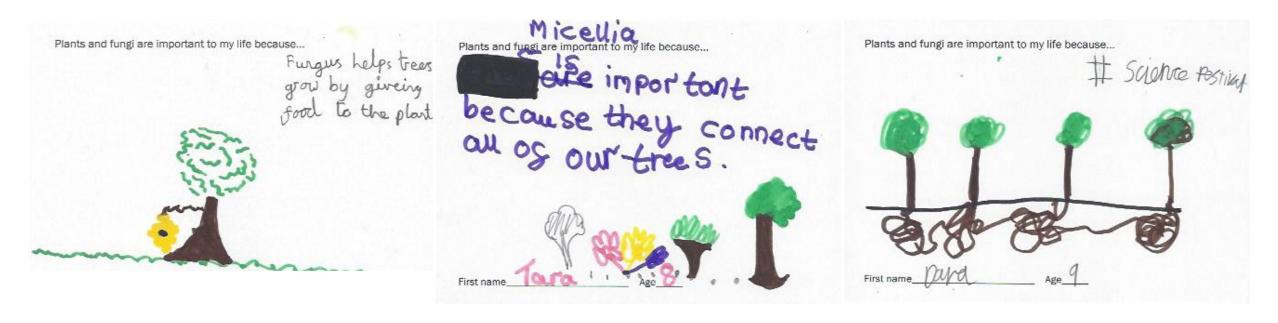




Visitors' most enjoyed activities at Kew Science Festival 2019 (out of 39 total activities)



Kew Science Festival



That pollution is affecting the fungi and therefore that will affect the trees. I didn't know that before.

That fungi helps plants. I thought only plants helped plants.

I learnt that fungi aren't useless. Cause you might think - what's the point of a fungus? Disgusting. But I don't think that, cause it has lots of cures.







Fungi provide both challenges and answers

Give people the opportunity to learn about fungi







