MEET THE AUTHORS AND ILLUSTRATORS

Keely Mills
British Geological Survey, Cambridge, UK
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I love tiny microscopic plants called diatoms; these tell me lots about how water quality has changed both today and in the past.
Paleoscience and the UN Sustainable Development Goals (p. 4)

Frank Oldfield
University of Liverpool, UK
oldfield.f@gmail.com
For over 60 years I've used fossil plant remains, magnetism, and radioactivity to measure and date past environmental changes especially those driven by human activities.
Can we tell how climate will change in the future? (p. 6)

Mariem Saavedra-Pellitero
University of Birmingham, UK
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I am a micropaleontologist who uses a microscope to study beautiful, tiny algae called coccolithophores (pronounced "coc-co-lith-o-fours") to reconstruct the climate of the past.
How green were the oceans in the past? (p. 9)

Juliet Sefton
Tufts University, Medford, MA, USA
Juliet.Sefton@tufts.edu, @SeftonGeo
I am a sea-level scientist who loves collecting mud to find out what it tells us about the ups and downs of past sea levels.
Why sea level is not level (p. 16)

Hadar Elyashiv
MARUM, Germany, and The University of Haifa, Israel
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I'm a marine sedimentologist, playing with mud and sand – studying how it is transported and influences the seafloor. Also a passionate science communicator.
A message from the buried past (p. 20)

Silvia Frisia
University of Newcastle, Australia
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I am a caver and a mineralogist. I look at crystals through powerful microscopes and decipher how they record the climate history of Earth.
The South Pacific and climate change (p. 30)

Pauline Treble
ANSTO, Lucas Heights, Australia
pauline.treble@ansto.gov.au
I am a paleoclimatologist. I turned my interest in caving into a cool career – interpreting the geochemical record in cave stalagmites to understand how our climate changes.
The South Pacific and climate change (p. 30)

Joe McConnell
Desert Research Institute, Reno, NV, USA
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I use ice-core chemistry records to study how past human activities have impacted the environment, and how the environment has effected human societies.
Linking lead pollution in ice cores to ancient history (p. 34)

Matthew Jones
University of Nottingham, UK
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Analyzing mud allows me to understand how water availability has changed through time. I'm a big fan of oxygen isotopes!
Paleoscience and the UN Sustainable Development Goals (p. 4)

Iván Hernández-Almeida
ETH Zürich, Switzerland
ivan.hernandez@erdw.ethz.ch
I work to understand climate's fingerprint buried in the seafloor. Sometimes science is too complex, so I write stories to help others to understand, remember, and imagine.
How green were the oceans in the past? (p. 9)

Margot Courtillat
University of Perpignan, France
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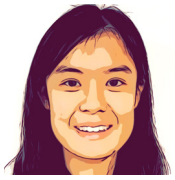
I'm a micropaleontologist. I am working with tiny marine fossils to reconstruct the climate of the past!
From the depths of the Amundsen Sea (p. 12)



Fangyi Tan
Nanyang Technological University, Singapore
FANGYI001@e.ntu.edu.sg, @fangyi2110
I use corals and mangrove sediments to study changes in sea level over the past ~8000 years. It's fun looking for clues from the past!
Why sea level is not level (p. 16)

Jérémie Moreau
jeremie.morrow@googlemail.com, @jeremiemoreaubd
I am a comic-strip author. I create stories and draw them – mainly stories about nature and living beings.
Cover, The stone readers (p. 23)

Nicole Pierce
University of Newcastle, Australia
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I am a natural history illustrator and passionate about art-science collaboration. I specialize in fine art paintings, scientific illustrations and visual storytelling.
The South Pacific and climate change (p. 30)

Nathan Chellman
Desert Research Institute, Reno, NV, USA
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I study the chemistry of ice cores, tree rings, and lake sediments to look at how Earth's environment has changed over the past.
Linking lead pollution in ice cores to ancient history (p. 34)

Laura Hunt
British Geological Survey and University of Nottingham, UK
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I'm a geoscientist who analyzes the stable isotope composition of mud (ew!) to understand how tropical lakes have been affected by past environmental change.
Lake mud detectives (p. 36)

Angela Nankabirwa
National Fisheries Resources Research Institute, Jinja, Uganda
angelenankabirwa@gmail.com
I'm an algologist who studies functions and changes of algae communities in the environment to explain variations in fisheries and ecosystems as a whole.
Lake mud detectives (p. 36)

Andrea Miebach
University of Bonn, Germany
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I'm a paleoecologist studying how climate and people have changed the environment over thousands of years.
Pollen reveals the plant world of the past (p. 38)

María Eugenia de Porras
IANIGLA, CONICET, Argentina
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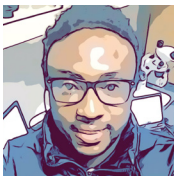
I'm a paleoecologist in love with arid and semiarid lands, studying their changes in environment and climate during the last 20,000 years.
Humans and environments in the most arid place of the world (p. 44)

Mauricio Uribe
Universidad de Chile, Santiago, Chile
mur@uchile.cl
I'm an archaeologist studying past societies in the Atacama Desert. I look for Pre Columbian settlements and pottery to disentangle their lifestyle and social complexity.
Humans and environments in the most arid place of the world (p. 44)



Jerry Olatoyan
University of the Witwatersrand, Johannesburg, South Africa
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I'm an archaeopalynologist – someone who finds it super cool to look at fossil pollen through a microscope, traveling back in time to assess environmental changes.
Past farmers and the environment (p. 49)

Peter Gitau
Sorbonne Université, Paris, France, and National Museums of Kenya
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I am an ecologist who travels back in time to find out how aquatic ecosystems respond to human and climate-driven changes.
Paleovirology (p. 52)

Cirenia Arias Baldrich
Oxford Brookes University, UK
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I am a scientist and freelance illustrator in love with science communication. I help others to communicate their work using the power of images, keeping the rigor science demands.
Illustrations

Alice Favory
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I'm an illustrator who does digital as well as traditional drawing. I draw futuristic universes and original characters.
Editorial illustration (p. 3)

Graciela Gil-Romera
CSIC, Zaragoza, Spain
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I'm a time-traveller who investigates how ecosystems coped with change in the past. I try to translate that knowledge to the present so we can have a better future.
Editor, Glossary (p. 54)

Tessa Driessen
Loughborough University, UK
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I'm a paleoecologist – someone who studies the ecology of the past – with a focus on diatoms and pollen in tropical crater lakes.
Lake mud detectives (p. 36)

Emma Rehn
James Cook University, Cairns, Australia
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I'm a charcoal specialist – I look at tiny burnt pieces of plants under a microscope to see ancient bushfires. I also draw comics!
How to record fires that burned thousands of years ago (p. 41)

Eugenia M. Gayó
UPWELL, Santiago, Chile
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I'm a human ecologist. Most of the time I'm studying how societies and their environment have interacted over the last 18,000 years!
Humans and environments in the most arid place of the world (p. 44)

Antonio Maldonado
University of Perpignan, France
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I'm a palynologist; I investigate past climate changes aided by microscopic pollen grains preserved in fossil records from southern South America.
Humans and environments in the most arid place of the world (p. 44)

Marco Palombelli
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I'm a comic artist-biologist using my expertise in both fields to weave stories about animals, people, and the wonderful planet they inhabit.
Paleovirology (p. 52)

Robyn Granger
University of Cape Town, South Africa
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I am a paleoceanographer, and I use tiny marine fossils as clues to help unravel the mysteries of how the ocean works.
Glossary (p. 54)

Peb & Fox
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We are two comic book authors who learn things about science by explaining them to others.
Paleotherapy (p. 60)

Boris Vannière
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I'm fascinated by wildfire history and human-environment interactions since prehistoric times, across the world but especially in the Mediterranean.
Editor, The stone readers (p. 23), Paleotherapy (p. 60)

Sarah Eggleston
Past Global Changes, Bern, Switzerland
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I'm an ice-core scientist now at PAGES, where I assist other paleoresearchers with their work.
Editor