MEET THE AUTHORS AND ILLUSTRATORS

Marie-Hélène Moncel
CNRS, National Museum of Natural History, Paris, France
marie-helene.moncel@mnhn.fr
I am a specialist of hominin behaviors, in particular technology and land-use patterns, from the earliest occupations in Europe to Neanderthal occupations.
Can climate change humankind? (p. 4)

Quentin Girardclos
quentingirardclos@gmail.com, @quentin.girardclos
As an illustrator in Strasbourg, France, I write and draw stories for comic books. I also work with scientists to illustrate presentations or articles.
Cover; Can climate change humankind? (p. 4); Paleotherapy (p. 80)

Marco Palombelli
ink.mpalo@gmail.com, @ilcorvoblu, @ilcorvoblu
I'm a comic artist/biologist using my expertise in both fields to weave stories about people, other animals, and the wonderful planet they inhabit.
Migrations (p. 8)

Peter Gitau
Alliance Sorbonne Université, France, and National Museums of Kenya, Nairobi, Kenya
ngashpeter@gmail.com, @peterngangaG
I am an ecologist who travels back in time to find out how aquatic ecosystems respond to human- and climate-driven changes.
Migrations (p. 8)

Liseth Pérez
Technische Universität Braunschweig, Germany
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I am a biologist. My research focuses on the long-term history of tropical lakes, and how they respond to recent climate and human influences.
Rapid drying of large, deep lakes in the karst mountains of the Lacandon Forest, southern Mexico (p. 12)

Matthias Bücker
Technische Universität Braunschweig, Germany
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As an applied geophysicist, I create images of subsurface electrical conductivity to learn about materials and structures without drilling a single borehole.
Rapid drying of large, deep lakes in the karst mountains of the Lacandon Forest, southern Mexico (p. 12)

Amanda Gerotto
University of São Paulo, Brazil
gerottoamanda@gmail.com
I investigate Earth's past climate from clues preserved in marine sediments and I love sharing and communicating science.
Will the Amazon survive a warmer world? (p. 16)

Marcos de Luca
Curso do Dalton, São Paulo, Brazil
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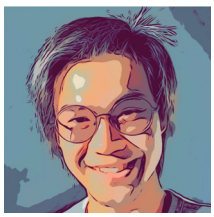
I'm a painter, a musician, and a drawing teacher, working mostly with kids. I like to paint almost-extinct animals, both on the streets and digitally.
Will the Amazon survive a warmer world? (p. 16)

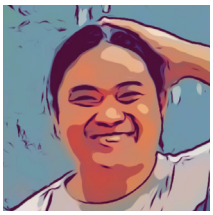
Renata Hanae Nagai
renatanagai@ufpr.br, @labpaleo2
I am an ocean scientist studying marine sediments chemistry and microfossils to reconstruct ocean and climate connections through time.
Will the Amazon survive a warmer world? (p. 16)

Gilles Ramstein
LSCE/IPSL, Gif-sur-Yvette, France
gilles.ramstein@lsce.ipsl.fr
I am a climate modeler who is passionate about climate change over many time periods, from millions of years in the past to the future.
Warm climates in the deep past (p. 18)



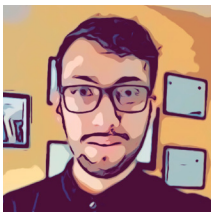
José Dominick Guballa
University of Toronto, Canada
doms.guballa@mail.utoronto.ca
I am a micropaleontologist interested in fossils of very small, plant-like ocean plankton called coccolithophores.
Ti(c)k to(c)k: Into the geologic clock (p. 22)

Deborah Tangunan
Cardiff University, UK
TangunanD@cardiff.ac.uk
I am a micropaleontologist studying fossil remains of microscopic marine algae called coccolithophores, and an occasional illustrator and digital artist.
Ti(c)k to(c)k: Into the geologic clock (p. 22)



Richard Jason Antonio
University of Bremen, Germany
rantonio@uni-bremen.de
I am a geologist specializing in igneous petrology and geochemistry, who studies rocks to understand the geologic evolution and history of an area.
Ti(c)k to(c)k: Into the geologic clock (p. 22)

Jesse José Nogot
Saskatchewan, Canada
jjosenogot@gmail.com
I am a freelance graphic artist and illustrator, always eager to learn new things to create and play with. I enjoy collaborating with scientists in transforming their research into visual illustrations.
Ti(c)k to(c)k: Into the geologic clock (p. 22)



Rodrigo Martínez-Abarca
Technische Universität Braunschweig, Germany
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I am a paleolimnologist and sedimentologist. I describe and analyze lacustrine sedimentary records. Some of them cover up to the last 140 thousand years in Mexico.
Past global warming in the Basin of Mexico (p. 25)

Antonio Flores-Martínez
National Polytechnic Institute, Mexico
antonio.mtzhm@gmail.com
I am a high-school student. I have been interested in painting since I was a child. I would like to study graphic design or engineering at university.
Past global warming in the Basin of Mexico (p. 25)

Margarita Caballero
National Autonomous University of Mexico, Mexico City, Mexico
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I study modern ecology of diatoms in Mexican lakes and carry out paleolimnological and paleoclimatic reconstructions for the Late Pleistocene and Holocene using these microalgae.
Past global warming in the Basin of Mexico (p. 25)

Claire S. Allen
British Antarctic Survey, Cambridge, UK
csall@bas.ac.uk
I use the fossils of microscopic algae (diatoms) preserved in marine sediment and ice cores to reconstruct environmental changes in the Southern Ocean and Antarctica.
What can algae tell us about Antarctic sea ice 130,000 years ago? (p. 28)

Eleanor (Ellie) Maedhbh Honan
Durham University and British Antarctic Survey, Cambridge, UK
eleanor.m.honan@durham.ac.uk, @EllieOnTheRocks
I am a PhD researcher studying how modern snow petrels interact with the sea-ice environment through analysis of tracking data and diet.
A gut-wrenching climate archive (p. 32)

Irene Malmeirca
British Antarctic Survey, Cambridge, UK
irealm37@bas.ac.uk
I am interested in using climate models to develop a better understanding of the changes in the ice sheet, sea ice, and climate over the last 800,000 years.
Better forecasts of sea ice change? (p. 38)

David Schroeder
Reading University, UK
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I am a sea-ice modeler improving the sea ice component of a climate model by implementing new physical processes.
Better forecasts of sea ice change? (p. 38)

Socorro Lozano-García
National Autonomous University of Mexico, Mexico City, Mexico
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My main research interests are vegetation history, palynology, fire history, and human impact during the Quaternary in neotropical areas, using sediments from ancient lakes.
Past global warming in the Basin of Mexico (p. 25)

Beatriz Ortega-Guerrero
National Autonomous University of Mexico, Mexico City, Mexico
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I am a geoscientist who analyzes the magnetic minerals in lake sediments to study environmental changes on several timescales.
Past global warming in the Basin of Mexico (p. 25)

Matthew Chadwick
British Antarctic Survey, Cambridge, UK
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I am a paleoceanographer who uses intricate tiny marine fossils (diatoms) to reconstruct the climate of the past.
What can algae tell us about Antarctic sea ice 130,000 years ago? (p. 28)

Thale Damm-Johnsen
Durham University, UK
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I am a paleoclimatologist who loves to look thousands of years back in time, through stomach oil deposits, to unravel how the Antarctic Ocean behaved in the past.
A gut-wrenching climate archive (p. 32)

Louise Sime
British Antarctic Survey, Cambridge, UK
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Climate modeling gets me out of bed in the morning. Comparing ice-core and other past climate measurements to my model data is endless fun.
Better forecasts of sea ice change? (p. 38)

Rachel Diamond
University of Cambridge, UK and British Antarctic Survey, Cambridge, UK
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I simulate what the Arctic looked like thousands of years ago, which helps us work out how the environment will change in future.
Better forecasts of sea ice change? (p. 38)

Stuart Umbo
Northumbria University, UK
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I develop new ways to recreate the temperature, thousands, sometimes millions of years in the past. I love traveling to remote places for my job.
The story of interglacial permafrost unraveled in frozen caves (p. 41)

Franziska Lechleitner
University of Bern, Switzerland
franziska.lechleitner@unibe.ch, @DrFranziskaAnna
I am a geochemist and cave lover – I use stalagmites to understand how climate and environmental conditions changed in the past.
The story of interglacial permafrost unraveled in frozen caves (p. 41)

Alena Kimbrough
University of Wollongong, Australia
akimbrough@uow.edu.au
I am a paleoclimatologist who studies ancient tropical climate. My research takes me deep into caves to learn the wonderful secrets stored in stalagmites.
Stalagmite memories of ancient rainfall (p. 46)

Angélica Ballesteros-Prada
INIBIOMA-CONICET and Museo Paleontológico, Bariloche, Argentina
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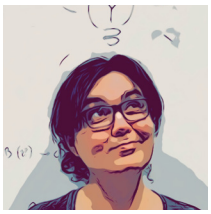
I'm a biologist; I study the past environment using tiny fossils. I love to play games, and I think that that's an excellent strategy to talk about science.
The mystery of the shells at the river bank (p. 51)

Paul Bierman
University of Vermont, Burlington, VT, USA
pbierman@uvm.edu
I focus on the Greenland Ice Sheet, direct the NSF/UVM Community Cosmogenic Facility, and am completing a book on the history of arctic science in the 1950s and 1960s and what it tells us about the future, "When the Ice is Gone", North, 2023.
From a secret cold war project to the future of the ice sheet (p. 56)

Foxes in Love
@foxes_in_love
This is a simple comic about simple foxes. They may not know much, but they know what love is.
Antarctic Foxes (p. 66)



Cirenia Arias Baldrich
cireniasketches@gmail.com, @CireniaSketches, @CireniaSketches
I am a scientist and freelance illustrator in love with science communication. I help others to communicate their work using the power of images.
Illustrations

Nathaelle Bouttes
LSCE/IPSL, Gif-sur-Yvette, France
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I'm a climate modeler working on carbon-cycle changes. I also love to translate research ideas into simple schematics whenever possible!
Editor; Ice-core records as clues to past changes (p. 67); Climate clues from past warm periods (p.68); Glossary (p. 75)

Emilie Capron
Institut des Géosciences de l'Environnement, Grenoble, France
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I reconstruct past climate and environmental changes using geochemical tracers measured in deep ice cores drilled in Greenland and Antarctica.
Editor; Ice-core records as clues to past changes (p. 67); Climate clues from past warm periods (p.68); Glossary (p. 75)

Sebastian Breitenbach
Northumbria University, UK
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I am a speleo-affine paleoclimatologist with focus on carbonate geochemistry. My work focuses on environmental changes on the continents, especially Siberia and Central Asia.
The story of interglacial permafrost unraveled in frozen caves (p. 41)

Daniel A. Becker
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I've been working as an illustrator in Australia since 2015. You can find more of my work at invisibleinkstudio.com.
Stalagmite memories of ancient rainfall (p. 46)

Andrew Christ
University of Vermont, Burlington, VT, USA
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I'm a glacial geomorphologist studying the evolution of the Antarctic and Greenland ice sheets over the last several million years by applying cosmogenic nuclides to a variety of climate archives.
From a secret cold war project to the future of the ice sheet (p. 56)

Alex Vauthier
University of Franche-Comté, France
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I am a student in archaeology. I basically dig... but I also like to create little stories.
Antarctic Foxes (p. 66)

Vincent Franchini
University of Franche-Comté, France
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I am a student in art history and archeology at the University of Besançon. I hope to continue with a master's on the Morvan massif.
Paleotherapy (p. 80)

Boris Vannière
CNRS, Besançon, France, and University of Bern, Switzerland
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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; Paleotherapy (p. 80)

Graciela Gil-Romera
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I'm a time-traveler 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

Sarah Eggleston
Past Global Changes, Bern, Switzerland
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I'm an ice-core scientist, mathematician, and science officer at PAGES, where I assist paleoresearchers from a wide range of fields with their work.
Editor