

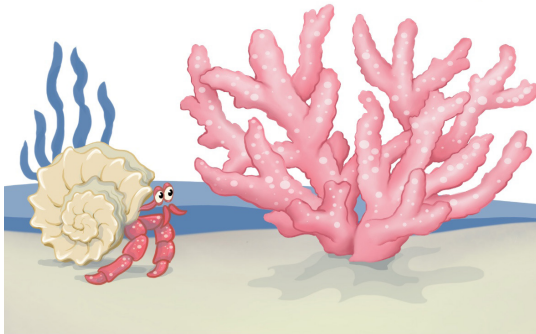


TABLE OF CONTENTS

- 3 Editorial - Has changed, is changing, will change: Our home the Earth**
Boris Vannière, Graciela Gil-Romera and Sarah Eggleston
- 4 Paleoscience and the UN Sustainable Development Goals**
Keely Mills and Matthew Jones
- 6 Can we tell how climate will change in the future?**
Frank Oldfield
- 9 How green were the oceans in the past?**
Iván Hernández-Almeida and Mariem Saavedra-Pellitero
- 12 From the depths of the Amundsen Sea**
Margot Courtillat
- 16 Why sea level is not level**
Juliet Sefton and Fangyi Tan
- 20 A message from the buried past: Deciphering the location of ancient settlements**
Hadar Elyashiv



- 23 The stone readers**
Jérémie Moreau and Boris Vannière
- 28 Young scientists speak about global change sciences**
Stella Alexandroff, Alicja Bonk and Tamara Trofimova
- 30 The South Pacific and climate change**
Silvia Frisia, Nicole Pierce and Pauline Treble
- 34 Linking lead pollution in ice cores to ancient history**
Nathan Chellman and Joe McConnell
- 36 Lake mud detectives**
Laura Hunt, Angela Nankabirwa and Tessa Driessen



- 38 Pollen reveals the plant world of the past**
Andrea Miebach
- 41 How to record fires that burned thousands of years ago**
Emma Rehn
- 44 Humans and environments in the most arid place of the world**
María Eugenia de Porras, Eugenia M. Gayó, Mauricio Uribe and Antonio Maldonado
- 49 Past farmers and the environment**
Jerry Olatoyan
- 52 Paleovirology**
Marco Palombelli and Peter Gitau
- 54 Glossary**
Robyn Granger and Graciela Gil-Romera
- 56 Meet the authors and illustrators**
- 58 Resources and references**
- 59 Acknowledgments**
- 60 Paleotherapy**
Boris Vannière and Peb & Fox



Cover Jérémie Moreau

Editors Boris Vannière, Graciela Gil-Romera and Sarah Eggleston