

## **EDITORIAL**

69 Nuclear fallout

## **OPINION & COMMENT**

70 Correspondence: Challenging convention / The value of attribution / Tried and tested / Difficult but not impossible / The current status of climate change research

## **FEATURE**

76 In search of a black swan  
Shanta Barley

79 An army of observers  
Kerri Smith

## **BOOKS & ARTS**

83 Living in Denial: Climate Change, Emotions, and Everyday Life  
*by Kari Marie Norgaard*  
Reviewed by Mike Hulme

84 Changing Planet, Changing Health: How the Climate Crisis Threatens Our Health and What We Can Do about It  
*by Paul R. Epstein and Dan Ferber*  
Reviewed by Anthony Costello

85 The Economics of Enough: How to Run the Economy as if the Future Matters  
*by Diane Coyle*  
Reviewed by Dimitri Zenghelis

## **INTERVIEW**

87 The human face of climate change  
Interview with Mary Robinson

## **ANALYSIS**

89 Policy Watch: EU seeks perfect policy mix  
Sonja van Renssen

90 Market Watch: The second tsunami  
Anna Petherick

91 Blogosphere: Noise about nuclear  
Olive Heffernan

## **RESEARCH HIGHLIGHTS**

92 Our choice from the recent literature

## **NEWS & VIEWS**

94 Palaeoclimate: Ancient trees reveal their secrets  
Matthew Therrell

95 Marine biology: Old fish in hot water  
Myron A. Peck

- 96 **Sociology: Learning lessons on carbon storage**  
David Reiner
- 98 **Solar physics: Shining a light on solar impacts**  
Mike Lockwood
- 99 **Mitigation: A sweetener for biofuels**  
Richard A. Betts
- 101 **Ecology: Butterflies reset the calendar**  
Robert J. Wilson and David B. Roy
- 103 **Agriculture: Forecasting food**  
Andrew Challinor

## LETTERS

- 105 **Direct impacts on local climate of sugar-cane expansion in Brazil**  
Scott R. Loarie, David B. Lobell, Gregory P. Asner, Qiaozhen Mu  
and Christopher B. Field  
→N&V p99; Beyond Boundaries p124
- 110 **Tolerance limit for fish growth exceeded by warming waters**  
A. B. Neuheimer, R. E. Thresher, J. M. Lyle and J. M. Semmens  
→N&V p95
- 114 **Interdecadal modulation of El Niño amplitude during the past millennium**  
Jinbao Li, Shang-Ping Xie, Edward R. Cook, Gang Huang, Rosanne D'Arrigo, Fei Liu,  
Jian Ma and Xiao-Tong Zheng  
→N&V p94
- 119 **Methane emissions from permafrost thaw lakes limited by lake drainage**  
J. van Huissteden, C. Berrittella, F. J. W. Parmentier, Y. Mi, T. C. Maximov  
and A. J. Dolman

## BEYOND BOUNDARIES

- 124 **In short supply**  
Interview with Robert McDonald