

EDITORIAL

- 671 Look back, looking forward
671 Storms ahead

OPINION & COMMENT

- 672 **Commentary: Improvements in ice-sheet sea-level projections**
Andrew Shepherd and Sophie Nowicki
- 674 **Commentary: Clearing clouds of uncertainty**
Mark D. Zelinka, David A. Randall, Mark J. Webb and Stephen A. Klein
- 678 **Commentary: Whither methane in the IPCC process?**
Patrick M. Crill and Brett F. Thornton
- 680 **Commentary: Considering agriculture in IPCC assessments**
John R. Porter, Mark Howden and Pete Smith

INTERVIEW

- 684 **Progress in climate modelling**
Interview with Veronika Eyring

RESEARCH HIGHLIGHTS

- 686 **Our choice from the recent literature**

NEWS & VIEWS

- 687 **Climate policy: Transparency for Loss and Damage**
Reinhard Mechler
- 688 **Behavioural economics: Cash incentives avert deforestation**
Juan Camilo Cárdenas
- 690 **Mitigation: Decarbonization unique to cities**
Nadine Ibrahim
- 691 **Climate variability: Picking apart climate models**
Chris Huntingford
- 692 **Biology: Survival of the finfish**
Jennifer Sunday
- 694 **Infrastructure: Roadways in a rut**
Jo Sias Daniel

PERSPECTIVE

- 697 **New vigour involving statisticians to overcome ensemble fatigue**
Rasmus Benestad, Jana Sillmann, Thordis Linda Thorarinsdottir, Peter Guttorp,
Michel d. S. Mesquita, Mari R. Tye, Petteri Uotila, Cathrine Fox Maule, Peter Thejll,
Martin Drews and Kajsa M. Parding

LETTERS

- 704 **Increased costs to US pavement infrastructure from future temperature rise**
B. Shane Underwood, Zack Guido, Padmini Gudipudi and Yarden Feinberg
→N&V p694

- 708 Western Pacific emergent constraint lowers projected increase in Indian summer monsoon rainfall**
Gen Li, Shang-Ping Xie, Chao He and Zesheng Chen
- 713 Threats to North American forests from southern pine beetle with warming winters**
Corey Lesk, Ethan Coffel, Anthony W. D'Amato, Kevin Dodds and Radley Horton
- 718 Climatic vulnerability of the world's freshwater and marine fishes**
Lise Comte and Julian D. Olden
→N&V p692

ARTICLES

- 723 A typology of loss and damage perspectives**
Emily Boyd, Rachel A. James, Richard G. Jones, Hannah R. Young and Friederike E. L. Otto
→N&V p687
- 730 Membership nominations in international scientific assessments**
Philip Leifeld and Dana R. Fisher
- 736 Urban cross-sector actions for carbon mitigation with local health co-benefits in China**
Anu Ramaswami, Kangkang Tong, Andrew Fang, Raj M. Lal, Ajay Singh Nagpure, Yang Li, Huajun Yu, Daqian Jiang, Armistead G. Russell, Lei Shi, Marian Chertow, Yangjun Wang and Shuxiao Wang
→N&V p690
- 743 Change in the magnitude and mechanisms of global temperature variability with warming**
Patrick T. Brown, Yi Ming, Wenhong Li and Spencer A. Hill
→N&V p691
- 749 More losers than winners in a century of future Southern Ocean seafloor warming**
Huw J. Griffiths, Andrew J. S. Meijers and Thomas J. Bracegirdle