

## **EDITORIAL**

173 **Enhancing reporting standards**

## **COMMENTS**

174 **Locking in positive climate responses in cities**

Diana Ürge-Vorsatz, Cynthia Rosenzweig, Richard J. Dawson, Roberto Sanchez Rodriguez, Xuemei Bai, Aliyu Salisu Barau, Karen C. Seto and Shobhakar Dhakal

177 **City transformations in a 1.5°C warmer world**

William Solecki, Cynthia Rosenzweig, Shobhakar Dhakal, Debra Roberts, Aliyu Salisu Barau, Seth Schultz and Diana Ürge-Vorsatz

181 **Sustainable Development Goals and climate change adaptation in cities**

Roberto Sanchez Rodriguez, Diana Ürge-Vorsatz and Aliyu Salisu Barau

183 **Turning Paris into reality at the University of California**

David G. Victor, Ahmed Abdulla, David Auston, Wendell Brase, Jack Brouwer, Karl Brown, Steven J. Davis, Carrie V. Kappel, Alan Meier, Mark Modera, Rebecca Zarin Pass, David Phillips, Jordan Sager and David Weil and TomKat Natural Gas Exit Strategies Working Group

## **BOOKS & ARTS**

186 **Time to re-think solutions**

Janet K. Swim and Ashley J. Gillis

187 **On our bookshelf**

## **RESEARCH HIGHLIGHTS**

188 **Our choice from the recent literature**

## **NEWS & VIEWS**

189 **Political psychology: Underestimating belief in climate change**

John T. Jost

190 **Bibliometrics: Searching for climate-conflict links**

Cullen S. Hendrix

191 **Atmospheric electricity: An uncertain future for lightning**

Lee T. Murray

## **PERSPECTIVE**

193 **Integrating human behaviour dynamics into flood disaster risk assessment**

J. C. J. H. Aerts, W. J. Botzen, K. C. Clarke, S. L. Cutter, J. W. Hall, B. Merz, E. Michel-Kerjan, J. Mysiak, S. Surminski and H. Kunreuther

## **LETTERS**

200 **Sampling bias in climate-conflict research**

Courtland Adams, Tobias Ide, Jon Barnett and Adrien Detges

→N&V p190

204 **Bottom-up linking of carbon markets under far-sighted cap coordination and reversibility**

Jobst Heitzig and Ulrike Kornek

- 210 **A projected decrease in lightning under climate change**  
Declan L. Finney, Ruth M. Doherty, Oliver Wild, David S. Stevenson,  
Ian A. MacKenzie and Alan M. Blyth  
→N&V p191
- 214 **Increasing importance of precipitation variability on global livestock grazing lands**  
Lindsey L. Sloat, James S. Gerber, Leah H. Samberg, William K. Smith,  
Mario Herrero, Laerte G. Ferreira, Cécile M. Godde and Paul C. West
- 219 **Mitigation potential of soil carbon management overestimated by neglecting N<sub>2</sub>O emissions**  
Emanuele Lugato, Adrian Leip and Arwyn Jones
- 224 **A global synthesis of animal phenological responses to climate change**  
Jeremy M. Cohen, Marc J. Lajeunesse and Jason R. Rohr
- 229 **Ecological complexity buffers the impacts of future climate on marine consumers**  
Silvan U. Goldenberg, Ivan Nagelkerken, Emma Marangon, Angélique Bonnet,  
Camilo M. Ferreira and Sean D. Connell

## ARTICLES

- 234 **Under-estimated wave contribution to coastal sea-level rise**  
Angélique Melet, Benoit Meyssignac, Rafael Almar and Gonéri Le Cozannet
- 240 **Global carbon stocks and potential emissions due to mangrove deforestation from 2000 to 2012**  
Stuart E. Hamilton and Daniel A. Friess
- 245 **Climate-driven range shifts of the king penguin in a fragmented ecosystem**  
Robin Cristofari, Xiaoming Liu, Francesco Bonadonna, Yves Cherel,  
Pierre Pistorius, Yvon Le Maho, Virginie Raybaud, Nils Christian Stenseth,  
Céline Le Bohec and Emiliano Trucchi
- 252 **Anthropogenic range contractions bias species climate change forecasts**  
Søren Faurby and Miguel B. Araújo

## CORRECTIONS

- 257 **Author Correction: Global patterns in mangrove soil carbon stocks and losses**  
Trisha B. Atwood, Rod M. Connolly, Hanan Almahasheer, Paul E. Carnell,  
Carlos M. Duarte, Carolyn J. Ewers Lewis, Xabier Irigoien, Jeffrey J. Kelleway,  
Paul S. Lavery, Peter I. Macreadie, Oscar Serrano, Christian J. Sanders,  
Isaac Santos, Andrew D. L. Steven and Catherine E. Lovelock
- 257 **Author Correction: In the observational record half a degree matters**  
Carl-Friedrich Schleussner, Peter Pflöiderer and Erich M. Fischer
- 257 **Author Correction: Whither methane in the IPCC process?**  
Patrick M. Crill and Brett F. Thornton
- 258 **Measuring progress from nationally determined contributions to mid-century strategies**  
Gokul Iyer, Catherine Ledna, Leon Clarke, James Edmonds, Haewon McJeon,  
Page Kyle and James H Williams
- 258 **The price of fast fashion**
- 258 **A global synthesis of animal phenological responses to climate change**  
Jeremy M. Cohen, Marc J. Lajeunesse and Jason R. Rohr