

## **EDITORIAL**

377 **Shifting habitats**

## **CORRESPONDENCE**

378 **High climate sensitivity in CMIP6 model not supported by paleoclimate**  
Jiang Zhu, Christopher J. Poulsen and Bette L. Otto-Bliesner

## **COMMENTS**

380 **Evolution of the Galapagos in the Anthropocene**  
P. Salinas-de-León et al.

382 **Climate-tracking species are not invasive**  
Mark C. Urban

## **RESEARCH HIGHLIGHTS**

385 **Our choice from the recent literature**

## **NEWS & VIEWS**

386 **Climate policy: Economics from zero-sum to win-win**  
Paul Tobin

387 **Ozone pollution: The climate penalty of plants**  
Mehliyar Sadiq

388 **Water resources: Implications of losing snowpack**  
Julie A. Vano

390 **Marine biology: Climate shifts for krill predators**  
Jessica Melbourne-Thomas

## **PERSPECTIVE**

392 **The co-evolution of technological promises, modelling, policies and climate change targets**  
Duncan McLaren and Nils Markusson

## **REVIEW ARTICLES**

398 **Adjusting the lens of invasion biology to focus on the impacts of climate-driven range shifts**  
Piper D. Wallingford et al.

406 **Disconnects between ecological theory and data in phenological mismatch research**  
Heather M. Kharouba and Elizabeth M. Wolkovich

## **MATTERS ARISING**

- 416 **Achieving atmospheric verification of CO<sub>2</sub> emissions**  
Armin Schwartzman and Ralph F. Keeling
- 418 **An appeal to cost undermines food security risks of delayed mitigation**  
Matthew N. Hayek, Sonali P. McDermid and Dale W. Jamieson
- 420 **Reply to: An appeal to cost undermines food security risks of delayed mitigation**  
Tomoko Hasegawa et al.

## **LETTERS**

- 422 **Synchronized tropical Pacific and extratropical variability during the past three decades**  
Jun-Chao Yang, Xiaopei Lin, Shang-Ping Xie, Yu Zhang, Yu Kosaka and Ziguang Li
- 428 **Arctic freshwater fish productivity and colonization increase with climate warming**  
Steven E. Campana et al.

## **ARTICLES**

- 434 **The evolution of ideas in global climate policy**  
Jonas Meckling and Bentley B. Allan  
→N&V p386
- 439 **Climate and health damages from global concrete production**  
Sabbie A. Miller and Frances C. Moore
- 444 **Vegetation feedbacks during drought exacerbate ozone air pollution extremes in Europe**  
Meiyun Lin et al.  
→N&V p387
- 452 **Drought less predictable under declining future snowpack**  
Ben Livneh and Andrew M. Badger  
→N&V p388
- 459 **Agricultural risks from changing snowmelt**  
Yue Qin et al.  
→N&V p388
- 466 **Diminishing CO<sub>2</sub>-driven gains in water-use efficiency of global forests**  
Mark A. Adams, Thomas N. Buckley and Tarryn L. Turnbull
- 472 **Projected shifts in the foraging habitat of crabeater seals along the Antarctic Peninsula**  
Luis A. Hückstädt et al.  
→N&V p390