

Contents

Issue 5 Volume 9 June 2011

esa

255 Guest Editorial

Getting creative to sustain research infrastructure
JP Parsons, SC Duke, and ML Klein

256 Dispatches

Carbon footprint fixes vary by location
Streetwise birds have bigger brains
Australian whales lead the South Pacific chorus
Double trouble for Arctic animals
Pesticide ban boosts water quality
A more responsible lawn
Safeguarding Africa's coast from oil spills
Lawsuit seeks to protect Pacific walrus
Ancient fleas underfoot
Unusual pollutant pattern found in loggerhead turtles

261 Write Back

Letters to the editor regarding the contents of past issues and comments on topics of current concern to *Frontiers* readers

264 Research Communications

Alteration of streamflow magnitudes and potential ecological consequences: a multiregional assessment
DM Carlisle, DM Wolock, and MR Meador 264

Restoration relevance of recent National Fire Plan treatments in forests of the western United States
T Schoennagel and CR Nelson 271

278 Reviews

Mediterranean cork oak savannas require human use to sustain biodiversity and ecosystem services
MN Bugalho, MC Caldeira, JS Pereira, J Aronson, and JG Pausas 278

The phenology of plant invasions: a community ecology perspective
EM Wolkovich and EE Cleland 287

295 Concepts and Questions

Quantifying multiple threats to endangered species: an example from loggerhead sea turtles
AB Bolten, LB Crowder, MG Dodd, SL MacPherson, JA Musick, BA Schroeder, BE Witherington, KJ Long, and ML Snover

302 Trails and Tribulations

Buffalo and Maslow's hammer
KA Alexander, JK Blackburn, and EA Frimpong

304 Frontiers Trading Post

Products, services, academic programs and courses, employment opportunities, awards, announcements, conferences, and meetings

308 Life Lines

Ciconian conundrums
A Burton



Cover picture: The bark of Mediterranean cork oaks (*Quercus suber*) is harvested every 9–12 years, providing an ecosystem service of high socioeconomic value, yet cork oak savannas are under threat. A new “payment for ecosystem services” is proposed, which may help promote the ecological and economic viability of this unique ecosystem.

Central photo: Cork harvesting in Portugal; © C Silva

Background photo: Recently harvested cork oak planks; © N Calado

Beyond the Frontier: Listen to Miguel Bugalho discussing this topic on *Frontiers'* monthly podcast, at www.frontiersinecology.org.