



Programme on Ecosystem Change and Society (PECS): Knowledge for Sustainable Stewardship of Social-ecological Systems

Guest Editors: Albert Norström, Marja Spierenburg, Meriem Bouamrane, and Patricia Balvanera

## Guest Editorial

Programme on Ecosystem Change and Society: Knowledge for sustainable stewardship of social-ecological systems  
Albert V Norström, Patricia Balvanera, Marja Spierenburg, and Meriem Bouamrane

[HTML](#)

[Download Citation](#)

## Research

A holistic approach to studying social-ecological systems and its application to southern Transylvania  
Jan Hanspach, Tibor Hartel, Andra I. Milcu, Friederike Mikulcak, Ine Dorresteijn, Jacqueline Loos, Henrik von Wehrden, Tobias Kuemmerle, David Abson, Anikó Kovács-Hostyánszki, András Báldi, and Joern Fischer

[HTML](#)

[Download Citation](#)

Plausible futures of a social-ecological system: Yahara watershed, Wisconsin, USA  
Stephen R Carpenter, Eric G. Booth, Sean Gillon, Christopher J. Kucharik, Steven Loheide, Amber S. Mase, Melissa Motew, Jiangxiao Qiu, Adena R Rissman, Jenny Seifert, Evren Soylu, Monica Turner, and Chloe B Wardropper

[HTML](#)

[Download Citation](#)

Biophysical and sociocultural factors underlying spatial trade-offs of ecosystem services in semiarid watersheds  
Marina García-Llorente, Irene Iniesta-Arandia, Bárbara A. Willaarts, Paula A Harrison, Pam Berry, María del Mar Bayo, Antonio J Castro, Carlos Montes, and Berta Martín-López

[HTML](#)

[Download Citation](#)

Participatory scenario planning in place-based social-ecological research: insights and experiences from 23 case studies Elisa Oteros-Rozas, Berta Martín-López, Tim M Daw, Erin L. Bohensky, James R.A. Butler, Rosemary Hill, Julia Martin-Ortega, Allyson Quinlan, Federica Ravera, Isabel Ruiz-Mallén, Matilda Thyresson, Jayalaxshmi Mistry, Ignacio Palomo, Garry D. Peterson, Tobias Plieninger, Kerry A. Waylen, Dylan M. Beach, Iris C. Bohnet, Maike Hamann, Jan Hanspach, Klaus Hubacek, Sandra Lavorel, and Sandra P. Vilardy [HTML](#)

[Download Citation](#)

The Montérégie Connection: linking landscapes, biodiversity, and ecosystem services to improve decision making Matthew G. E. Mitchell, Elena M Bennett, Andrew Gonzalez, Martin J Lechowicz, Jeanine M. Rhemtulla, Jeffrey A Cardille, Kees Vanderheyden, Geneviève Poirier-Ghys, Delphine Renard, Sylvestre Delmotte, Cécile H Albert, Bronwyn Rayfield, Maria Dumitru, Hsin-Hui Huang, Martine Larouche, Kate N Liss, Dorothy Y Maguire, Kyle T Martins, Marta Terrado, Carly Ziter, Lucie Taliana, and Karine Dancose

[HTML](#)

[Download Citation](#)

Social-ecological drivers of multiple ecosystem services: what variables explain patterns of ecosystem services across the Norrström drainage basin? Megan Meacham, Cibele Queiroz, Albert V Norström, and Garry D Peterson

[HTML](#)

[Download Citation](#)

Elasticity in ecosystem services: exploring the variable relationship between ecosystems and human well-being Tim M. Daw, Christina C. Hicks, Katrina Brown, Tomas Chaigneau, Fraser A. Januchowski-Hartley, William W. L. Cheung, Sérgio Rosendo, Beatrice Crona, Sarah Coulthard, Chris Sandbrook, Chris Perry, Salomão Bandeira, Nyawira A. Muthiga, Björn Schulte-Herbrüggen, Jared Bosire, and Tim R. McClanahan [H](#)

[ML](#)

[Discussion](#)

[Download Citation](#)

Resilience to climate change in a cross-scale tourism governance context: a combined quantitative-qualitative network analysis Tobias Luthe and Romano Wyss [HTML](#)

[Download Citation](#)

Scale and ecosystem services: how do observation, management, and analysis shift with scale—lessons from Québec Ciara Raudsepp-Hearne and Garry D Peterson [HTML](#)

[Download Citation](#)

Stakeholder engagement and biodiversity conservation challenges in social-ecological systems: some insights from biosphere reserves in western Africa and France Meriem Bouamrane, Marja Spierenburg, Arun Agrawal, Amadou Boureima, Marie-Christine Cormier-Salem, Michel Etienne, Christophe Le Page, Harold Levrel, and Raphael Mathevet

[HTML](#)

[Download Citation](#)

Key features for more successful place-based sustainability research on social-ecological systems: a Programme on Ecosystem Change and Society (PECS) perspective Patricia Balvanera, Tim M Daw, Toby A Gardner, Berta Martín-López, Albert V. Norström, Chinwe Ifejika Speranza, Marja Spierenburg, Elena M Bennett, Michelle Farfan, Maïke Hamann, John N Kittinger, Tobias Luthe, Manuel Maass, Garry D Peterson, and Gustavo Perez-Verdin

[HTML](#)

[Download Citation](#)

## Synthesis

Exploring ecosystem-change and society through a landscape lens: recent progress in European landscape research Tobias Plieninger, Thanasis Kizos, Claudia Bieling, Laurence Le Dû-Blayo, Marie-Alice Budniok, Matthias Bürgi, Carole L. Crumley, Geneviève Girod, Pip Howard, Jan Kolen, Tobias Kuemmerle, Grega Milcinski, Hannes Palang, Kathrin Frommmer, and Peter H. Verburg [HTML](#)

[Download Citation](#)

Assessing ecosystem services for informing land-use decisions: a problem-oriented approach Johannes Förster, Jan Barkmann, Roman Fricke, Stefan Hotes, Michael Kleyer, Susanne Kobbe, Daniel Kübler, Christian Rumbaur, Marianna Siegmund-Schultze, Ralf Seppelt, Josef Settele, Joachim H. Spangenberg, Vera Tekken, Tomáš Václavík, and Heidi Wittmer [HTML](#)

[Download Citation](#)

### Insight

Nurturing communities of practice for transdisciplinary research Georgina Cundill, Dirk J Roux, and John N. Parker

[HTML](#)

[Download Citation](#)

Changes in biodiversity and trade-offs among ecosystem services, stakeholders, and components of well-being: the contribution of the International Long-Term Ecological Research network (ILTER) to Programme on Ecosystem Change and Society (PECS) Manuel Maass, Patricia Balvanera, Patrick Bourgeron, Miguel Equihua, Jacques Baudry, Jan Dick, Martin Forsius, Lubos Halada, Kinga Krauze, Masahiro Nakaoka, Daniel E. Orenstein, Terry W. Parr, Charles L. Redman, Ricardo Rozzi, Margarida Santos-Reis, Anthony M. Swemmer, and Angheluta Vădineanu

[HTML](#)

[Download Citation](#)

<https://www.ecologyandsociety.org/issues/view.php?sf=106>