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Permission date

Photo



Website

Research Fields

- Atmospheric chemistry
- Biogeochemistry
- Carbon Footprint Analysis
- Climatology
- Community & Disaster Planning
- Data Analysis & Statistical Modeling
- Ecology & Ecosystem Management
- Economics
- Energy policy & technology
- Ethics
- Fire
- Forestry & Forest Management
- Geographic Information Systems
- Horticulture
- Human Impacts - economics
- Human Impacts - health
- Human Impacts - policy
- Hydrology
- Impacts - agriculture & horticulture
- Impacts - ecosystems, populations
- Impacts - physical
- Instrumentation
- Mitigation Policy
- Modeling Climate
- Modeling Ecosystems
- Modeling Socioeconomic Processes
- Natural Resource Policy & Planning
- Outreach & Engagement
- Paleoclimatology
- Paleoecology
- Physical Ecology
- Physiological Ecology
- Urban Ecology
- Water Policy & Planning
- Other...

Specific Research Interests

David Hulse is Philip H. Knight Professor and former Chair in Landscape Architecture at the University of Oregon and a founding member of the University's Institute for a Sustainable Environment. His expertise is in the area of geographic information systems and the use of computer-based tools for facilitating land use planning and natural resource decision-making. He has worked extensively as a landscape planner in the U.S. and abroad. Current efforts include work with colleagues at the U.S. E.P.A., the National Science Foundation, the Oregon Watershed Enhancement Board and Oregon State University on development of spatial decision support systems for creating and evaluating alternative land and water use futures in the Willamette River Basin and elsewhere in Oregon. Hulse is a graduate of Harvard University's Graduate School of Design, a Fulbright Scholar, and a recipient of the US Chapter of the International Association for Landscape Ecology's Distinguished Landscape Practitioner Award.

Projects

Selected Recent Publications

D. HULSE, A. BRANSCOMB, C. ENRIGHT. (in prep.) Anticipating floodplain trajectories through alternative futures analysis. *Journal of Landscape Ecology*.

Y. LIU, M. MAHMOUD, H. HARTMANN, S. STEWART, T. WAGENER, D. SEMMENS, R. STEWART, H. GUPTA, D. DOMINGUEZ, D. HULSE, R. LETCHER, B. RASHLEIGH, C. SMITH, R. STREET, J. TICEHURST, M. TWERY, H. VAN DELDEN, R. WALDICK, D. WHITE, and L. WINTER. 2007. Formal scenario development for environmental impact assessment studies, in *State of the Art and Futures in Environmental Modelling and Software*, edited by Jakeman, A., A. Voinov, A. E. Rizzoli, and S. Chen, IDEA Book Series, Elsevier.

J. BOLTE, D. HULSE, S. GREGORY and C. SMITH. 2007. Modeling biocomplexity -- actors, landscapes and alternative futures. *Env. Modeling and Software*. 22(5) 570-579.

D. HULSE, S. GREGORY. 2004. Integrating resilience into floodplain restoration. *Journal of Urban Ecology*. Special Issue on Large-Scale Ecosystem Studies: Emerging trends in urban and regional ecology, vol. 7, pp. 295-314.

D. HULSE, A. BRANSCOMB, S. PAYNE. 2004. Envisioning Alternatives: using citizen guidance to map future land and water use. *Journal of Ecological Applications*. v. 14, no. 2, pp. 325-341.

J. BAKER, D. HULSE, S. GREGORY, D. WHITE, J. VAN SICKLE, P.A. BERGER, D. DOLE, N.H. SCHUMAKER. 2004. Alternative futures for the Willamette River Basin, Oregon. *Journal of Ecological Applications*. v. 14, no. 2, pp. 313-324.

D. HULSE, S. GREGORY, J. BAKER. (EDS). 2002. *Willamette River Basin Planning Atlas: Trajectories of environmental and ecological change*. (2nd edition), Oregon State University Press, Corvallis, Oregon 97333. 180 p.

Professional Activities

National Science Foundation LTER Science Task Force Advisory Committee 2004-2006

Willamette Partnership Board of Directors 2005-present

McKenzie River Trust Lands Committee 2004-present

State of the Nation's Ecosystem Report, Heinz Center, 2001-present