

## Dr. Fikret Berkes



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### Publications

- [Recent Publications](#)
- [Publications 2002 and Earlier](#)

### Education

B.Sc. McGill University, Montreal, Canada, 1968  
Ph.D. Marine Sciences, McGill University, Montreal, Canada, 1973

### Experience

Dr. Berkes is an applied ecologist by background and works at the interface of natural and social sciences. He joined the University of Manitoba in 1991 as the Director of NRI, a position he occupied until 1996. He has served as the President of the International Association for the Study of Common Property (1996-98) and as the leader of a number of research groups. He

has devoted most of his professional life to investigating the relations between societies and their resources, and to examining the conditions under which the "**tragedy of the commons**" may be avoided. He works on theoretical and practical aspects of community-based management, co-management, and traditional knowledge. His publications include the books,

***Sacred Ecology***

(Routledge, 2008),

***Breaking Ice***

(U Calgary Press, 2005),

***Navigating Social-Ecological Systems***

(Cambridge U Press, 2003), and

***Managing Small-Scale Fisheries***

(IDRC, 2001). See his list of publications and downloadable PDFs elsewhere on this web site.

Dr. Berkes holds a Tier I Canada Research Chair (2002) and the title of Distinguished Professor (2003). For more detail, click on Canada Research Chair at the NRI site.

## Research Interests

Dr. Berkes' main area of research is the commons, with current emphasis on adaptive co-management, complex systems/resilience, and indigenous knowledge. He works with Masters and PhD students who have an interdisciplinary orientation and an interest in combining social and ecological perspectives. Several of his national and international team projects involve NRI students. Five such projects were in progress in the past year: the SSHRC project, "**Community-based resource management in a multi-level world**", SSHRC/CURA project, "**Protected area creation, culture and development at the Cree community of Wemindji, James Bay, Quebec**" (with C. Scott, McGill, PI); the International Development Research Centre (IDRC) project, "**Community-based conservation and UNDP Equator Initiative cases**", the CIDA project, "**Building environmental governance capacity in Bangladesh**" (with C.E. Haque, NRI, PI); the Natural Resources Canada project, "**Adaptation as resilience building: a policy study of climate change vulnerability and adaptation on the Canadian Prairies**" (with H. Venema, IISD, PI).

## Selected Professional Activities and Networks

- [UNDP Equator Initiative](#) with the International Development Research Centre (IDRC) and international partners;
- [Millennium Ecosystem Assessment \(MEA\)](#) , Bridging Scales and Epistemologies

International Advisory Committee and book co-editor;

- [International Association for the Study of Commons \(IASC\)](#) ;
- [Resilience Alliance](#) , marine resilience project group;
- [ICARP Wk. Gr. 10, "Resilience, vulnerability and rapid change](#)
- Oceans Management Research Network (<http://www.omrn-rrgo.ca>)
- Sustainable Forest Management Network (<http://biology.ualberta.ca>)
- Referee for granting agencies: SSHRC; SSHRC/CURA; NSERC; NSF (US);
- Editorial Boards: Ecology & Society; International Journal of the Commons; Journal of Ecological Anthropology.

## Canada Research Chair CBRM Publications

Last Updated: November 2010

2010

**1. Berkes, F. 2010.** Shifting perspectives on resource management: resilience and the reconceptualization of 'natural resources' and 'management'. MAST Maritime Studies 9: 11-38.

**2. Marin, A., S. Gelcich, G. Araya, G. Olea, M. Espinola and J.C. Castilla 2010.** The 2010 tsunami in Chile: devastation and survival of coastal small-scale fishing communities. Marine Policy 34: 1381-1384.

**3. Robinson, L.W., J.A. Sinclair, and H. Spaling 2010.** Traditional pastoralist decision-making processes: Lessons for reforms to water resources management in Kenya. Journal of Environmental Planning and Management 53: 847-862.

**4. Berkes, F. 2010.** Rethinking community-based conservation. In: International Year of Biodiversity: Conservation Social Science. Wiley-Blackwell virtual publication <http://www.wiley.com/bw/vi.asp?ref=0888-8892&site=1> (original paper: Conservation Biology 18: 621-630, 2004.)

**5. Trimble, M., M. Ríos, C. Passadore, M. Szephegyi, M. Nin, F. Olaso Garcia, C. Fagúndez, P. Laporta 2010.** Ecosistemas costeros uruguayos: una guía para su conocimiento. Averaves, Cetáceos Uruguay, Karumbé. Editorial Imprenta Monteverde. Montevideo, Uruguay. [http://www.cetaceos.org.uy/publicaciones/arenas\\_final.pdf](http://www.cetaceos.org.uy/publicaciones/arenas_final.pdf)

**6. Robson, J.P. and F. Berkes 2010.** Sacred nature and community conserved areas. In: Nature and Culture: Rebuilding Lost Connections (S. Pilgrim and J. Pretty, eds.) Earthscan, London, pp. 197-216.

**7. Khan, S.M.M.H. and C.E. Haque 2010.** Wetland resource management in Bangladesh: implications for marginalization and vulnerability of local harvesters. Environmental Hazards 9: 54-73.

**8. Mamun, A. A. 2010.** Understanding the value of local ecological knowledge and practices for habitat conservation in human-altered floodplain systems: a case from Bangladesh. Environmental Management 45: 922-938.

**9. Nayak, P.K. and F. Berkes 2010.** Whose marginalization? Politics around environmental injustices in India's Chilika Lagoon. Local Environment 15: 553-567.

**10. Almudi, T. and D.C. Kalikoski 2010.** Traditional fisherfolk and no-take protected areas: the Peixe Lagoon National Park dilemma. Ocean & Coastal Management 53: 225-233.

**11. Almudi, T. and F. Berkes 2010.** Barriers to empowerment: fighting eviction for conservation in a southern Brazilian protected area.  
*Environment*  
15:217-215.

*Local*

**12. Berkes, F. and I.J. Davidson-Hunt 2010.** Innovating through commons use: community-based enterprises.

*International*

*Journal of the Commons*

4 (1): 1-7. [online] URL:

<http://www.thecommonsjournal.org/>

**13. Chapin, F.S. III, S.R. Carpenter, G. P. Kofinas, C. Folke, N. Abel, W.C. Clark, P. Olsson, D.M.S. Smith, B. Walker, O.R. Young, F. Berkes, R. Biggs, J.M. Grove, R.L. Naylor, E. Pinkerton, W. Steffen and F.J. Swanson 2010.** Ecosystem stewardship: sustainability strategies for a rapidly changing planet *Trends in Ecology and Evolution* 25: 241-249

**14. Berkes, F. 2010.** Linkages and multi-level systems for matching governance and ecology: lessons from roving bandits. *Bulletin of Marine Science* 86: 235-250 .

**15. Davidson-Hunt, I. and F. Berkes 2010.** Journeying and remembering: Anishinaabe landscape ethnoecology from northwestern Ontario. In: *Landscape Ethnoecology* (L.M. Johnson and E.S. Hunn, eds.) Berghahn, New York and Oxford, pp. 222-240 .

**16. Hoole, A.F. 2010.** Place-power-prognosis: community-based conservation, partnerships and ecotourism enterprise in Namibia. *International Journal of the Commons* 4 (1): 78-99. [online] URL: <http://www.thecommonsjournal.org/>

**17. Hoole, A. and F. Berkes 2010.** Breaking down fences: recoupling social-ecological systems for biodiversity conservation in Namibia. *Geoforum* 41: 304-317.5

**18. Marin, A. and F. Berkes 2010.** Network approach for understanding small-scale fisheries governance: The case of the Chilean coastal co-management system. *Marine Policy* 34:851-858..

- 19. Miller, A.M. and I. Davidson-Hunt 2010.** Fire, agency and scale in the creation of aboriginal cultural landscapes. *Human Ecology* 38: 401-414.
- 20. Orozco-Quintero, A. and F. Berkes 2010.** Role of linkages and diversity of partnerships in a Mexican community-based forest enterprise. *Journal of Enterprising Communities* 4: 148-161 .
- 21. Orozco-Quintero, A. and I.J. Davidson-Hunt 2010.** Community-based enterprises and the commons: the case of San Juan Nuevo Parangaricutiro, Mexico. *International Journal of the Commons* 4 (1): 8-35. [online] URL: <http://www.thecommonsjournal.org/>
- 22. Robinson, L.W. and F. Berkes 2010.** Applying resilience thinking to questions of policy for pastoralist systems: lessons from the Gabra of northern Kenya. *Human Ecology* 38:335-350.
- 23. Shukla, S.R. and A.J. Sinclair 2010.** Strategies for self-organization: learning from a village-level community-based conservation initiative in India.. *Human Ecology* 38:205-215.
- 24. Seixas, C.S. and F. Berkes 2010.** Community-based enterprises: the significance of partnerships and institutional linkages. *International Journal of the Commons* 4 (1): 183-212. [online] URL: <http://www.thecommonsjournal.org/>
- 25. Tarnoczi, T.J. and F. Berkes 2010.** Sources of information for farmers' adaptation

practices in Canada's Prairie agro-ecosystem.  
*Change*  
98: 299-305.

*Climatic*

## 2009

1. **Berkes, F. 2009.** Indigenous ways of knowing and the study of environmental change. *Journal of the Royal Society of New Zealand*  
39: 151-156.

2. **Robson, J.P., A.M. Miller, C.J. Idrobo, C. Burlando, N. Deutsch, J.-E. Kocho-Schellenberg, R.D. Pengelly and K.L. Turner 2009** . Building communities of learning: indigenous ways of knowing in contemporary natural resources and environmental management. *Journal of the Royal Society of New Zealand*  
39: 173-177.

3. **Zurba, M. 2009.** Bringing local synthesis into governance and management systems: the Girringun TUMRA case in northern Queensland, Australia. *Journal of the Royal Society of New Zealand*  
39: 170-182.

4. **Pretty, J., W. Adams, F. Berkes, S.F. de Athayde, N. Dudley, E. Hunn, L. Maffi, K. Milton, D. Rapport, P. Robbins, E. Sterling, S. Stolton, A. Tsing, E. Vintinner and S. Pilgrim 2009** . The intersections of biological diversity and cultural diversity: towards integration. *Conservation & Society* 7(2): 100-112.

5. **Turner, N.J., Y. Ari, F. Berkes, I. Davidson-Hunt, Z. F. Ertug, and A.M. Miller 2009.** Cultural management of living trees: an international perspective. *Journal of Ethnobiology*  
29: 237-270.

6. **Robinson, L.W. 2009.** A complex systems approach to pastoral commons. *Human Ecology* 37: 441-451.

7. **Dahlberg, A. C., and C. Burlando. 2009.** Addressing trade-offs: experiences from conservation and development initiatives in the Mkuze wetlands, South Africa. *Ecology and Society*

14

(2): 37. [online] URL: <http://www.ecologyandsociety.org/vol14/iss2/art37/>

8. **Berkes, F. 2009.** Indigenous traditions – the Arctic. In: *Berkshire Encyclopedia of Sustainability. Volume 2: The Spirit of Sustainability* (W. Jenkins, ed.) Berkshire, Great Barrington, MA, pp. 213-215.
9. **Peloquin, C. and F. Berkes 2009.** Local knowledge, subsistence harvests, and social-ecological complexity in James Bay. *Human Ecology* 37: 533-545.
10. **O'Brien, K., B. Hayward and F. Berkes 2009.** Rethinking social contracts: building resilience in a changing climate. *Ecology and Society* 14 (2): 12. [online] URL: <http://www.ecologyandsociety.org/vol14/iss2/art12/>
11. **Berkes, F. 2009.** Revising the commons paradigm. *Journal of Natural Resources Policy Research* 1: 261-264.
12. **Haque, C.E., A.K. Deb and D. Medeiros 2009.** Integrating conservation with livelihood improvement for sustainable development: the experiment of an oyster producers' cooperative in southwest Brazil. *Society and Natural Resources* 22: 554-570.
13. **Shukla, S. 2009.** Communicating education for sustainable development with less articulate and underprivileged communities: Innovative approaches to socially critical environmental education. In: *Biogeography and Biodiversity: IGU Commission Contribution to International Year of Planet Earth* (R.B. Singh, ed.) New Delhi: Rawat Publications, pp. 48-60.
14. **Shukla, S. 2009.** Augmenting women's contributions in community-based conservation of medicinal plants: Lessons from biodiversity and recipe contests. In: *Conservation of Medicinal Plants* (R.N. Pati and D.N. Tewari, eds.) New Delhi: APH Publishing.
15. **Shukla, S. and A.J. Sinclair. 2009.** Becoming a traditional medicinal plant healer: divergent views of practicing and young healers on traditional medicinal plant knowledge skills in India. *Ethnobotany Research and Applications* 7: 39-51. <http://www.ethnobotanyjournal.org/>
16. **Robson, J.P. 2009.** Out-migration and commons management: social and ecological change in a high biodiversity region of Oaxaca, Mexico. *International Journal of Biodiversity Science and Management* 5: 21-34
17. **Berkes, F., G.P. Kofinas and F.S. Chapin, III. 2009.** Conservation, community and livelihoods. In: *Principles of Ecosystem Stewardship: Resilience-based Resource Management in a Changing World*



(F.S. Chapin, III, G.P. Kofinas and C. Folke, eds.) Springer-Verlag, New York, pp. 129-147

18. **Berkes, F. 2009.** Social aspects of fisheries management. In: *A Fishery Manager's Guidebook. Second Edition* (K.L. Cochrane and S.M. Garcia, eds.) FAO/Wiley-Blackwell, pp. 52-74.

19. **O'Flaherty, R.M., I.J. Davidson-Hunt and A.M. Miller. 2009.** Anishinaabe stewardship values for sustainable forest management of the Whitefeather Forest, Pikangikum First Nation, Ontario. In: *Changing the Culture of Forestry in Canada* (M.G. Stevenson and D.C. Natcher, eds.) Canadian Circumpolar Institute Press, Edmonton, pp. 19-34.

20. **Berkes, F., I. Davidson-Hunt, N. Deutsch, C. Burlando, A. Miller, C. Peters, P. Peters, R. Preston, J. Robson, M. Strang, A. Tanner, L. Trapper, R. Trosper and J. Turner**

**2009**

. Institutions for Algonquian land use: change, continuity and implications for forest management. In:

*Changing the Culture of Forestry in Canada*

( M.G. Stevenson and D. C. Natcher, eds.) Canadian Circumpolar Institute Press, Edmonton, pp. 35-52.

21. **Shearer, J., P. Peters and I.J. Davidson-Hunt. 2009.** Co-producing a Whitefeather Forest cultural landscape monitoring framework. In: *Changing the Culture of Forestry in Canada* (M.G. Stevenson and D.C. Natcher, eds.) Canadian Circumpolar Institute Press, Edmonton, pp. 63-84.

22. **Armitage, D., R. Plummer, F. Berkes, R.I. Arthur, A.T. Charles, I.J. Davidson-Hunt, A.P. Diduck, N.C. Doubleday, D. Johnson, M. Marschke, P. McConney, E.W. Pinkerton, and E.K. Wollenberg . 2009.** Adaptive co-management for social-ecological complexity. *Frontiers in Ecology and the Environment* 7:95-102

23. **Berkes, F. 2009.** Evolution of co-management: role of knowledge generation, bridging organizations and social learning. *Journal of Environmental Management* 90:1692-1702.

24. **Berkes, F. 2009.** Community conserved areas: policy issues in historic and contemporary context. *Conservation Letters* 2:19-24.

25. **Berkes, F. and M. Kislalioglu Berkes. 2009.** Ecological complexity, fuzzy logic and holism in indigenous knowledge. *Futures* 41: 6-12.

26. **Marschke, M. and A.J. Sinclair. 2009.** Learning for sustainability: participatory resource management in Cambodian fishing villages.

*Journal of Environmental Management*  
90: 206-216.

## 2008

1. **Berkes, F. 2008.** Sacred Ecology. Second Edition, Routledge, New York
2. **Wiber, M., A. Charles and J. Kearney and F. Berkes 2008.** Enhancing community empowerment through participatory fisheries research. *Marine Policy* 33: 172-179.
3. **Suluk, T.K. and S.L. Blakney 2008.** Land claims and resistance to the management of harvester activities in Nunavut. *Arctic* 61(Suppl 1): 62-70.
4. **Kendrick, A. and M. Manseau 2008.** Representing traditional knowledge: resource management and Inuit knowledge of barren-ground caribou. *Society and natural Resources* 21 (5): 404-418.
5. **Mamun, A.A. and C.E. Haque 2008.** Understanding culture-based fisheries: an assessment of community-managed beel fisheries in Bangladesh. *Asian Fisheries Science* 21: 257-273.
6. **Fernandes, D. and F. Berkes 2008.** "More eyes watching . . ." Community-based management of the arapaima (*Arapaima gigas*) in central Guyana. In: *El Manejo de las pesquerias en la Amazonia* (eds. D. Pinedo y C. Soria). Ottawa: IDRC and Instituto del Bien Comun, pp. 285-305.
7. **Berkes, F. 2008.** Small-scale fisheries: alternatives to conventional management. In: *El Manejo de las Pesquerias en la amazonia* (eds. D. Pinedo y C. Soria). Ottawa: IDRC and Instituto del Bien Comun, pp. 447-463.
8. **Sims, L. and A.J. Sinclair. 2008.** Learning through participatory resource management programs: case studies from Costa Rica. *Adult Education Quarterly* 58: 151-168.
9. **Bonny, E. and F. Berkes. 2008.** Communication traditional environmental knowledge: addressing the diversity of knowledge, audiences and media types. *Polar Record* 44: 243-253.
10. **Berkes, F. and I.J. Davidson-Hunt. 2008.** The cultural basis for an ecosystem approach: Sharing across systems of knowledge. In: *The Ecosystem Approach. Complexity, Uncertainty, and Managing for Sustainability* (D. Waltner-Toews, J.J. Kay and N.-M.E. Lister, eds.) Columbia University Press, New York, pp. 109 - 124.
11. **Nayak, P. and F. Berkes. 2008.** Politics of co-optation: community forest management vs. Joint Forest Management in Orissa, India. *Environmental Management* 41: 707-718.
12. **O'Flaherty, R. M., I. J. Davidson-Hunt, and M. Manseau. 2008.** Indigenous knowledge and values in planning for sustainable forestry: Pikangikum First Nation and the Whitefeather Forest Initiative. *Ecology and Society* 13(1): 6. [online] URL: <http://www.ecologyandsociety.org/vol13/iss1/art6/>
13. **Berkes, F. 2008.** Commons in a multi-level world. *International Journal of the Commons* 2 (1): 1-6. [online] URL: <http://www.thecommonsjournal.org>

14. **Seixas, C.S. and B. Davy 2008.** Self-organization in integrated conservation and development initiatives. *International Journal of the Commons* 2 (1): 99-125. [online] URL: <http://www.thecommonsjournal.org>

## 2007

1. **Shukla, S. 2007.** Transmission of traditional medicinal plant knowledge: Local healers of Maharashtra, India. In: *Sustainable Development: Issues and Perspectives* (R.N. Pati and O. Schwarz-Herion, eds.) New Delhi: D.K. Printworld, pp. 41-67.

2. **Shukla, S. and J.S. Gardner. 2007.** Community-based approaches to environmental education: Lessons for socially critical education and biodiversity conservation. In: *Innovative Approaches to Education for Sustainable Development* (W.L. Filho, ed.) Frankfurt and Main: Peter Lang, pp. 97-115.

3. **Almudi, T., D.C. Kalikoski, J.P. Castello. 2007.** Territorial control as a fisheries management instrument: the case of artisanal fisheries in the estuary of Patos Lagoon, southern Brazil. *American Fisheries Society Symposium* 49: 187-196.

4. **Wiber, M., F. Berkes, A. Charles and J. Kearney. 2007.** A participatory approach to identifying research needs for community-based fishery management. *American Fisheries Society Symposium* 49: 587-594.

5. **Robson, J. P. 2007.** Local approaches to biodiversity conservation: lessons from Oaxaca, southern Mexico. *International Journal of Sustainable Development* 10: 267-286.

6. **Berkes, F. 2007.** Community-based conservation in a globalized world. *Proceedings of the National Academy of Sciences* 104: 15188-15193.

7. **Armitage, D., F. Berkes and N. Doubleday, editors 2007.** *Adaptive Co-Management: Collaboration, Learning, and Multi-Level Governance.* University of British Columbia Press, Vancouver.

8. **Armitage, D., F. Berkes and N. Doubleday 2007.** Introduction: moving beyond co-management. In: *Adaptive Co-Management* (D. Armitage, F. Berkes and N. Doubleday, eds.) University of British Columbia Press, Vancouver, pp. 1-15.

9. **Berkes, F. 2007.** Adaptive co-management and complexity: exploring the many faces of co-management. In: *Adaptive Co-Management* (D. Armitage, F. Berkes and N. Doubleday, eds.) University of British Columbia Press, Vancouver, pp. 19-37.

10. **Kearney, J. and F. Berkes 2007.** The importance of community for adaptive co-management. In: *Adaptive Co-Management* (D. Armitage, F. Berkes and N. Doubleday, eds.) University of British Columbia Press, Vancouver, pp. 191-207.

11. **Berkes, F., D. Armitage and N. Doubleday 2007.** Synthesis: adapting, innovating, evolving. In: *Adaptive Co-Management* (D. Armitage, F. Berkes and N. Doubleday, eds.) University of British Columbia Press, Vancouver, pp. 308-327.

12. **Berkes, F. and I.J. Davidson-Hunt 2007.** Communities and social enterprises in the age of globalization. *Journal of Enterprising Communities* 1: 209-221.

13. **O'Flaherty, R.M., I. Davidson-Hunt and M. Manseau 2007**. Keeping woodland caribou in the Whitefeather Forest. Sustainable Forest Management Network, SFM Network Research Note Series No. 27. [online] URL: [http://www.sfmnetwork.ca/html/publication\\_researchnotes\\_e.html](http://www.sfmnetwork.ca/html/publication_researchnotes_e.html)
14. **Hughes, T.P., L.H. Gunderson, C. Folke, A.H. Baird, D. Bellwood, F. Berkes, B. Crona, Helfgott, H. Leslie, J. Norberg, M. Nyström, P. Olsson, H. Österblom, M. Scheffer, H. Schuttenberg, R.S. Steneck, M. Tengö, M. Troell, B. Walker, J. Wilson and B. Worm 2007**. Adaptive management of the Great Barrier Reef and the Grand Canyon World Heritage Areas. *Ambio* 36: 586-592.
15. **Grant, S., F. Berkes and J. St. Louis 2007**. A history of change and reorganization: the pelagic longline fishery in Gouyave, Grenada. *Gulf and Caribbean Research* 19: 141-148. [[pdf](#)]
16. **Grant, S., F. Berkes and J. Brierley 2007**. Understanding the local livelihood system in resource management: the pelagic longline fishery in Gouyave, Grenada. *Gulf and Caribbean Research* 19: 113-122. [[pdf](#)]
17. **Folke, C., L. Pritchard, Jr., F. Berkes, J. Colding and U. Svedin 2007**. The problem of fit between ecosystems and institutions: Ten years later. *Ecology and Society* 12 (1): 30. [online] URL: <http://www.ecologyandsociety.org/vol12/iss1/art30/>
18. **Davidson-Hunt, I.J. and R.M. O'Flaherty 2007**. Researchers, indigenous peoples and place-based learning communities. *Society and Natural Resources* 20: 291-305.
19. **Caine, K.J., M.J. Salomons and D. Simmons 2007**. partnerships for social change in the Canadian North: revisiting the insider-outsider dialectic. *Development and Change* 38: 449-473.
20. **Berkes, F. 2007**. Understanding uncertainty and reducing vulnerability: lessons from resilience thinking. *Natural Hazards* 41: 283-295.
21. **Gardner, J.S. and J. Dekens 2007**. Mountain hazards and the resilience of social-ecological systems: lessons learned in India and Canada. *Natural Hazards* 41: 317-336.
22. **Haque, E.H., and D. Etkin 2007**. People and community as constituent parts of hazards: the significance of societal dimensions on hazards analysis. *Natural Hazards* 41: 271-282.
23. **Grant, S. and F. Berkes 2007**. Fisher knowledge as expert system: a case from the longline fishery of Grenada, the Eastern Caribbean. *Fisheries Research* 84: 162-170.
24. **Berkes, F., M. Kislalioglu Berkes and H. Fast 2007**. Collaborative integrated management in Canada's north: the role of local and traditional knowledge and community-based monitoring. *Coastal Management* 35: 143-162.
25. **Kearney, J., F. Berkes, A. Charles, E. Pinkerton and M. Wiber 2007**. The role of participatory governance and community-based management in integrated coastal and ocean management in Canada. *Coastal Management* 35: 79-104.

## 2006

1. **Nayak, P.K. 2006.** Adaptive community forest management: Some emerging trends in India. In: Institutional Dynamics and Stasis (L. Lebel, X. Jianchu, A. Contreras, eds.) RCSD, Chiang Mai, Thailand, pp. 89-109.
2. **Berkes, F. and I.J. Davidson-Hunt 2006.** Biodiversity, traditional management systems, and cultural landscapes: examples from the boreal forest of Canada. *International Social Science Journal* 187: 35-47.
3. **Berkes, F., W.V. Reid, T. Wilbanks and D. Capistrano 2006.** Conclusions. In: Bridging Scales and Knowledge Systems (W.V. Reid, F. Berkes, T. Wilbanks and D. Capistrano, eds). Millennium Ecosystem Assessment and Island Press, Washington DC, pp. 315-331.
4. **Reid, W.V., F. Berkes, T. Wilbanks and D. Capistrano 2006.** Introduction. In: Bridging Scales and Knowledge Systems (W.V. Reid, F. Berkes, T. Wilbanks and D. Capistrano, eds). Millennium Ecosystem Assessment and Island Press, Washington DC, pp. 1-17.
5. **Reid, W.V., F. Berkes, T. Wilbanks and D. Capistrano, editors. 2006.** Bridging Scales and Knowledge Systems: Linking Global Science and Local Knowledge in Assessments. Millennium Ecosystem Assessment and Island Press, Washington DC.
6. **Berkes, F. and N.J. Turner 2006.** Knowledge, learning and the evolution of conservation practice for social-ecological system resilience. *Human Ecology* 34: 479-494. [[Online](#)]  
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7. **Turner, N.J. and F. Berkes 2006.** Coming to understanding: Developing conservation through incremental learning in the Pacific Northwest. *Human Ecology* 34: 495-513. [[Online](#)]  
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8. **Parlee, B., F. Berkes and Teetl'it Gwich'in Renewable Resources Council 2006.** Indigenous knowledge of ecological variability and commons management: a case study on berry harvesting from northern Canada. *Human Ecology* 34: 515-528. [[Online](#)]  
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9. **Davidson-Hunt, I.J. 2006.** Adaptive learning networks: developing resource management knowledge through social learning forums. *Human Ecology* 34: 593-614. [[Online](#)]  
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10. **Chapin, F. S., III, M. Hoel, S. R. Carpenter, J. Lubchenco, B. Walker, T. V. Callaghan, C. Folke, S. Levin, K.-G. Mäler, C. Nilsson, S. Barrett, F. Berkes, A.-S. Crépin, K. Danell, T. Rosswall, D. Starrett, T. Xepapadeas and S. A. Zimov 2006** . Building resilience and adaptation to manage Arctic change. *Ambio* 35: 198-202. [

[Online](#)

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11. **Berkes, F. and T. Adhikari 2006.** Development and conservation: indigenous businesses and the UNDP Equator Initiative. *International Journal of Entrepreneurship and Small Business* 3: 671-690. [[Online](#)]

12. **Cash, D.W., W.N. Adger, F. Berkes, P. Garden, L. Lebel, P. Olsson, L. Pritchard and O. Young 2006** . Scale and cross-scale dynamics: governance and information in a multilevel world. *Ecology and Society* 11 (2): 8. [[Online](#)]

13. **Kim Nong and M. Marschke 2006.** Building networks of support for community-based coastal resource management in Cambodia. In: *Communities, Livelihoods and Natural Resources* (S.R. Tyler, ed.) Intermediate Technology Publications and International Development Research Centre, Ottawa, pp. 151-168. [[Online](#)

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14. **Berkes, F. 2006.** From community-based resource management to complex systems: the scale issue and marine commons. *Ecology and Society* 11(1): 45. [[online](#)

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15. **Marschke, M. and Berkes, F. 2006.** Exploring strategies that build livelihood resilience: a case from Cambodia. *Ecology and Society* 11(1): 42. [[online](#)

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16. **Berkes, F., T.P. Hughes, R.S. Steneck, J.A. Wilson, D.R. Bellwood, B. Crona, C. Folke, L.H. Gunderson, H.M. Leslie, J. Norberg, M. Nyström, P. Olsson, H. Österblom, M. Scheffer and B. Worm 2006** . Globalization, roving bandits and marine resources. *Science* 311: 1557-1558 [[Online](#)]

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