

## APPENDIX 1

**Table A1.1. Summary of papers in *Ecological Applications* (2000)**

Author	Title	Theme(s)	Grouped Theme(s)
Ford and Martinez	Traditional ecological knowledge, ecosystem science, and environmental management	n/a	n/a
Berkes et al.	Rediscovery of traditional ecological knowledge as adaptive management	Similarities between TEK and adaptive management; social mechanisms for traditional practices	1, 5, 6
Mauro and Hardison	Traditional knowledge of indigenous and local communities: international debate and policy initiatives	International law and policy regarding role of TEK in management and conservation of biodiversity; implications for scientists	2
Huntington	Using traditional ecological knowledge in science: methods and applications	Benefits and examples of using TEK; review of methods and challenges	3,4
Turner et al.	Traditional ecological knowledge and wisdom of aboriginal peoples in British Columbia	Knowledge systems	1
Nabhan	Interspecific relationships affecting endangered species recognized by O'Odham and Comcaac cultures	TEK and scientific views of species	1
Klubnikin et al.	The sacred and the scientific: traditional ecological knowledge in Siberian river conservation	Application of TEK in conservation; uniting of indigenous people and scientists in protest against Katun dam project	6,8
Gadgil et al.	New meanings for old knowledge: The People's Biodiversity Registers Program	Maintenance and creation of new contexts for folk ecological knowledge	5
Fernandez-Gimenez	The role of Mongolian nomadic pastoralists' ecological knowledge in rangeland management	Application of TEK in resource management; contradictions between TEK and management perceptions	6
Salmón	Kincentric ecology: indigenous perceptions of the human-nature relationship	Indigenous views of human-nature relationship	1
Pierotti and Wildcat	Traditional ecological knowledge: the third alternative (commentary)	Differences between Western natural resource management and indigenous TEK; multidisciplinary of TEK (nature, politics, ethics)	1

**Table A1.2. Summary of papers in *Ecology and Society* (2004)**

Author	Title	Theme	Grouped Theme
Folke	Traditional knowledge in social–ecological systems	n/a	n/a
Becker and Ghimire	Synergy between traditional ecological knowledge and conservation science supports forest preservation in Ecuador	Indigenous institutions and ecological knowledge used in interactions with conservation NGOs	5
Milestad and Hadatsch	Organic farming and social-ecological resilience: the alpine valleys of Sölktaaler, Austria	Similarities/differences between organic farming and farmers' perspectives on sustainable agriculture; implications for resilience	1
Davidson-Hunt and Berkes	Learning as you journey: Anishinaabe perception of social-ecological environments and adaptive learning	Linkages between social-ecological resilience and adaptive learning, focused on TEK	1,6
Ghimire et al.	Heterogeneity in ethnoecological knowledge and management of medicinal plants in the Himalayas of Nepal: implications for conservation	Heterogeneity and complexity of LEK in relation to its practical and institutional context	1
Tengö and Belfrage	Local management practices for dealing with change and uncertainty: a cross-scale comparison of cases in Sweden and Tanzania	Application of local ecological knowledge in management practices	5
Garibaldi and Turner	Cultural keystone species: implications for ecological conservation and restoration	Knowledge systems; species that form contextual underpinnings of a culture	1,6
Watson et al.	The relationship between traditional ecological knowledge, evolving cultures, and wilderness protection in the circumpolar north	Context and application of TEK	1,6
Long et al.	Cultural foundations for ecological restoration on the White Mountain Apache Reservation	Cultural foundations of ecological restoration efforts, adaptive management	1,6
Moller et al.	Combining science and traditional ecological knowledge: monitoring populations for co-management	Evaluation of ways of combining science and TEK to monitor populations; strengths and limitations of TEK	3,4,9
Donovan and Puri	Learning from traditional knowledge of non-timber forest products: Penan Benalui and the autecology of <i>Aquilaria</i> in Indonesian Borneo	Role of TEK in identifying critical research needs in tropical ecology	1
Roth	Spatial organization of environmental knowledge: conservation conflicts in the inhabited forest of Northern Thailand	Spatial expression of knowledge at distinct scales	1,7

**Table A1.3. Summary of chapters in *Bridging Scales and Knowledge Systems* (2006)**

Author	Title	Theme	Grouped Theme
Reid et al.	Introduction	n/a	n/a
Wilbanks	How scale matters: some concepts and findings	Theory of scale in science assessment	7
Lebel	Politics of scale in environmental assessments	Politics of scale	7,8
Pereira et al.	Assessing ecosystem services at different scales in the Portugal Millennium Ecosystem Assessment	Methods for multi-scale assessment	3,7
Davis, C	A synthesis of data and methods across scales to connect local policy decisions to regional environmental conditions: the case of the Cascadia Scorecard	Methods for multi-scale assessment	3,7
Boyd	Scales of governance in carbon sinks: global priorities and local realities	Scales of governance	5,7,8
Brosius	What counts as local knowledge in global environmental assessments and conventions?	Context and politics of local and Indigenous knowledge and its translation	8
Davis, M	Bridging the gap or crossing a bridge? IK and language of law and policy	Divide between IK and “Western” science; understanding IK from non-Indigenous perspectives; cultural translation of knowledge; law and policy	1,2,6
Fabricius et al.	Mobilizing knowledge for integrated ecosystem assessments	Technical and social processes of knowledge integration across scales	3,5,7,9
Eamer	Keep it simple and be relevant: the first ten years of the Arctic Borderlands Ecological Knowledge Co-op	Processes and partnerships for knowledge integration	5
Ishizawa	Cosmovisions and environmental governance: the case of in situ conservation of native cultivated plants and their wild relatives in Peru	Bridging of worldviews that underlie knowledge creation and utilization	1
Raj	Harmonizing traditional and scientific knowledge systems in rainfall prediction and utilization	Methods for knowledge integration	3
Gokhale	Managing people’s knowledge: An Indian case study of building bridges from local to global and from oral to scientific knowledge	Knowledge databases; rewarding people’s knowledge; intellectual property rights	2,5
Seixas	Barriers to local-level ecosystem assessment and participatory management in Brazil	Process/challenges of knowledge integration	3,4
Bennett and Zurek	Integrating epistemologies through scenarios	Methods for knowledge integration	3
Miller and Erickson	The politics of bridging scales and epistemologies: science and democracy in global environmental governance	Politics of scale and epistemologies	7,8,9
Berkes et al.	Conclusions	n/a	n/a

**Table A1.4. Summary of papers in *Futures* (2009)**

Author	Title	Theme	Grouped Theme
Turnbull	Futures for indigenous knowledges	n/a	n/a
Berkes and Berkes	Ecological complexity, fuzzy logic, and holism in indigenous knowledge	Parallels between indigenous knowledge and complex systems (fuzzy logic)	1,3
Sillitoe and Marzano	Future of indigenous knowledge research in development	Challenges to IK in mainstream development	4,8
Bryan	Where would we be without them? Knowledge, space and power in indigenous politics	Mapping (as a form of IK) for land claims, and advancement of anti-colonial politics	3,6,8
Palmer	Engaging with indigital geographic information networks	Advantages and disadvantages of indigenous engagement with GIS networks	3,4,8
Green	Challenging epistemologies: Exploring knowledge practices in Palikur astronomy	Ways in which indigenous knowledges might be evaluated in relation to science	9
Maffie	'In the end, we have the Gatling gun, and they have not': Future prospects of indigenous knowledges	Knowledge systems; polycentric global epistemology as a future for IKs	1,5,9

IK = indigenous knowledge

Themes:

- 1 = Similarities, differences and linkages between IK and science
- 2 = Law and policy of IK
- 3 = Methods for using and integrating IK
- 4 = Benefits and challenges of using and integrating IK
- 5 = Institutions, processes and partnerships for maintaining and integrating IK
- 6 = Culture and IK
- 7 = Scale and IK
- 8 = Politics of IK
- 9 = Evaluation of IK and integration