

# **Annotated Bibliography on Participatory Approaches in Environmental Management**

*Compiled by Stentor Danielson, 2013*

- Abel, T.D. 2000. The limits of civic environmentalism. *American Behavioral Scientist* 44(4):614–628.  
Describes the critique of participation as empowering anti-environmental local elites.
- Abelson, J., P.-G. Forest, J. Eyles, P. Smith, E. Martin, and F.-P. Gauvin. 2003. Deliberations about deliberative methods: issues in the design and evaluation of public participation processes. *Social Science and Medicine* 57:239–251.  
Reviews logistical challenges to achieving deliberation in participatory processes.
- Ackerman, B., and J.S. Fishkin. 2005. *Deliberation Day*. Yale University Press, New Haven.  
Proposes the creation of “Deliberation Day,” a public holiday on which people in the US will engage in deliberation about important issues facing the country.
- Addams, J. 1910. *Twenty years at Hull-House, with autobiographical notes*. The Macmillan Company, New York.  
A personal account of early efforts at participatory social reform in Chicago carried out through Jane Addams' Hull-House.
- Addams, J. 1902. *Democracy and social ethics*. University of Illinois Press, Urbana, IL.  
A more theoretical statement of Jane Addams' beliefs about participation and social reform.
- Agrawal, A. 2005. *Environmentality: technologies of government and the making of subjects*. Duke University Press, Durham NC.  
Critical analysis of trend toward devolution of environmental management in India, describing it as an example of Foucault's idea of “governmentality” – a process of getting members of the public to buy into the government's worldview and thus carry out the government's agenda without coercion.
- Agrawal, A., and C.C. Gibson. 1999. Enchantment and disenchantment: the role of community in natural resource conservation. *World Development* 27(4): 629–649.  
Critiques the use of the concept of “community” in participatory environmental management, arguing that the concept contains a number of unjustified assumptions.
- Allmendinger, P., and Tewdwr-Jones, M. 2002. The communicative turn in urban planning: unravelling paradigmatic, imperialistic and moralistic dimensions. *Space and Polity* 6(1): 5-24.  
Reviews a variety of objections to participation's effectiveness and moral justifiability.
- Almudi, T., and F. Berkes. 2010. Barriers to empowerment: fighting eviction for conservation in a southern Brazilian protected area. *Local Environment* 15(3): 217–232.  
Describes reasons for lack of empowerment of fishers in a National Park in Brazil.
- Amin, A. 2005. Local community on trial. *Economy and Society* 34(4): 612–633.  
Critiques the use of the concept of “community” and the reliance on community participation in

decision-making, arguing that this serves to coopt grassroots resistance and abdicate the state's responsibility for redistribution.

Anguelovski, I. 2011. Understanding the dynamics of community engagement of corporations in communities: the iterative relationship between dialogue processes and local protest at the Tintaya Copper Mine in Peru. *Society and Natural Resources* 24(2): 384–399.

Describes a case study of corporate-sponsored participation at a mine in Peru, arguing that popular protests served a positive function in calling for a less ethnocentric and more responsive form of participation.

Armitage, D., F. Berkes, and N. Doubleday. 2007. *Adaptive co-management: Collaboration, learning, and multi-level governance*. University of British Columbia Press, Vancouver.

Describes how to integrate adaptive management approaches with participation.

Arnstein, S.R. 1969. A ladder of citizen participation. *Journal of the American Institute of Planning* 35(4): 216–224.

A foundational article in the study of participation, which argues that forms of participation can be ranked on a “ladder” from perfunctory or manipulative approaches to ones that give real power to stakeholders.

Aronoff, M., and V. Gunter. 1994. A pound of cure: Facilitating participatory processes in technological hazard disputes. *Society and Natural Resources* 7: 235–252.

Case studies of participatory responses to hazards at sites in Michigan and Pennsylvania, concluding that establishing a strong basis of communication between stakeholders and seeking consensus brings the best results.

Arrow, K.J. 1963. *Social choice and individual values*, 2nd ed. Yale University Press, New Haven.

Explains “Arrow's impossibility theorem,” which holds that no decision rule can satisfy all of several reasonable-sounding criteria for aggregating individual preferences into a well-supported group decision.

Arvai, J.L. 2003. Using risk communication to disclose the outcome of a participatory decision-making process: effects on the perceived acceptability of risk-policy decisions. *Risk Analysis* 23(2): 281–289.

Reports a study that showed that describing a decision on a risky technology as having been made through a participatory process increased public acceptance of the decision.

Arvai, J.L., and A. Froschauer. 2010. Good decisions, bad decisions: the interaction of process and outcome in evaluations of decision quality. *Journal of Risk Research* 13(7): 845–859.

Reports a study showing that people see a participation process as inadequate if the outcome is not one they support.

Arvai, J.L., R. Gregory, and T.L. McDaniels. 2001. Testing a structured decision approach: value-focused thinking for deliberative risk communication. *Risk Analysis* 21(6): 1065–1076.

Argues, on the basis of a case study, that having a structured process for considering and debating information in a participatory forum leads to positive results.

- Atkinson, R. 1999. Discourses of partnership and empowerment in contemporary British urban regeneration. *Urban Studies* 36(1): 59–72.  
Argues that participatory processes constrain participants to work within government-approved discourses.
- Balducci, A. 1999. Assessing the effectiveness of participatory planning: lessons from the experience. *Sociedade e território* 29: 82–88.  
Reports on several case studies of participatory planning in Italy, in which a lack of government commitment undercut the results of stakeholders' decisions.
- Barreteau, O., P.W.G. Bots, and K.A. Daniell. 2010. A framework for clarifying “participation” in participatory research to prevent its rejection for the wrong reasons. *Ecology and Society* 15(2): 1  
Available at <http://www.ecologyandsociety.org/vol15/iss2/art1/>.  
Gives a framework for thinking about how to make a participatory process appropriate to a specific issue.
- Barry, J.M. 2011. Mobilized bias and multistakeholder protected-area planning: a socio-institutional perspective on collaboration. *Society and Natural Resources* 24(10): 1116–1126.  
Describes a participatory process in Ontario, Canada that fell victim to adversarial politics.
- Baum, H.S. 1998. Ethical behavior is extraordinary behavior; it’s the same as all other behavior. *Journal of the American Planning Association* 64(4): 411–424.  
Describes a case study of urban planning in Baltimore, in which organizers' assumptions about who belonged to the community biased the set of stakeholders who could participate.
- Beierle, T.C. 1999. Using social goals to evaluate public participation in environmental decisions. *Policy Studies Review* 16(3/4): 75–103.  
Presents a framework for evaluating participation, and rates a variety of common participatory mechanisms according to the stated criteria.
- Beierle, T.C. 2002. The quality of stakeholder-based decisions. *Risk Analysis* 22(4): 739–749.  
Argues that participation is likely to raise the quality of decisions, making them more cost-effective and incorporating better information.
- Beierle, T.C. And J. Cayford. 2002. *Democracy in practice: Public participation in environmental decisions*. Resources for the Future, Washington DC.  
Assesses whether participation makes environmental policy decisions more successful, with a positive conclusion.
- Benhabib, S. 1992. *Situating the self: Gender, community and postmodernism in contemporary ethics*. Polity Press, Cambridge.  
A dense, thorough critique of Habermas's discourse ethics from a feminist perspective.
- Berkes, F. 2009. Community conserved areas: policy issues in historic and contemporary context. *Conservation Letters* 2: 19–24.  
Gives an overview of the trend toward community conservation areas internationally.

- Bidwell, D. 2009. Is community-based participatory research postnormal science? *Science, Technology, and Human Values* 34(6): 741–761.  
 Outlines the concept of community-based participatory research, and gives suggestions on making it more effective through enhancing the level of participation.
- Bijlsma, R.M., P.W.G. Bots, H.A. Wolters, and A.Y. Hoekstra. 2011. An empirical analysis of stakeholders' influence on policy development: the role of uncertainty handling. *Ecology and Society* 16(1): 51.  
 Compares the outcomes of participatory and expert-based decision processes in a case study of water management in the Netherlands, showing that the participatory process produced a more ambitious, more uncertainty-sensitive, and less adaptive outcome.
- Billgren, C., and H. Holmén. 2008. Approaching reality: Comparing stakeholder analysis and cultural theory in the context of natural resource management. *Land Use Policy* 25: 550–562.  
 Examines the usefulness of Grid-Group Cultural Theory as a framework for ensuring a diversity of stakeholders, with mixed results.
- Bleiker, H., and A. Bleiker. 2011. *Citizen participation handbook: For public officials and other professionals working in the public sector*. Institute for Participatory Management and Planning, Monterey, CA.  
 Gives a practical guide for officials who are organizing participatory processes.
- Bloomfield, D., K. Collins, C. Fry, and R. Munton. 2001. Deliberation and inclusion: vehicles for increasing trust in UK public governance? *Environment and Planning C* 19: 501–513.  
 Explores the emergence of participation as a response to the crises of democracy in the contemporary era.
- Blumenthal, D., and J.-L. Jannink. 2000. A classification of collaborative management methods. *Conservation Ecology* 4(2): 13.  
 Evaluates the strengths of several common forms of collaborative environmental management.
- Bohman, J. 1998. The coming of age of deliberative democracy. *Journal of Political Philosophy* 6(4): 400–425.  
 Describes how theories of deliberative democracy are “coming of age” by confronting and responding to practical concerns of implementation and institutionalization.
- Booher, D.E., and J.E. Innes. 2002. Network power in collaborative planning. *Journal of Planning Education and Research* 21: 221–236.  
 Warns of the impact of unequal power relations on participation, and urges the cultivation of flatter “network” power relations.
- Bohman, J. *Public deliberation: Pluralism, complexity, and democracy*. MIT Press, Boston.  
 Gives a defense of deliberative democracy's ability to cope with cultural pluralism and social complexity.
- Bohman, J., and W. Rehg. 1997. *Deliberative democracy: Essays on reason and politics*. MIT Press, Boston.

Collects a variety of key statements from major theorists of deliberative democracy.

Bora, A. 2010. Technoscientific normativity and the “iron cage” of law. *Science, Technology, and Human Values* 35(1): 3–28.

Argues that participation procedures fall short because dominant actors set the terms of the debate – focusing on “technoscientific” norms – in ways that exclude certain interests and stakeholder positions.

Branch, K.M., and J.A. Bradbury. 2006. Comparison of DOE and Army advisory boards: application of a conceptual framework for evaluating public participation in environmental risk decision making. *Policy Studies Journal* 34(4): 723–753.

Compares community advisory boards set up to give input on contaminated site management by the US Department of Energy versus those set up by the Department of Defense, drawing conclusions about the importance of agency commitment, decision-making power, and openness of information.

Brennan, M.A., and A. Dodd. 2009. Exploring citizen involvement in the restoration of the Florida Everglades. *Society and Natural Resources* 22: 324–338.

Reports on a survey that examines why residents of south Florida do or do not participate in management of the Everglades.

Broderick, K. 2005. Communities in catchments: implications for natural resource management. *Geographical Research* 43(3): 286–296.

Analyzes the differing conceptions of “community” held by different residents of a watershed in Western Australia, and examines their implications for participation.

Brosius, P.J., A.L. Tsing, and C. Zerner. 2005. *Communities and conservation: Histories and politics of community-based natural resource management*. AltaMira Press, Lanham, MD.

Collects essays on community-based conservation from experienced practitioners.

Brown, J. 2013. Can participation change the geography of water? lessons from South Africa. *Annals of the Association of American Geographers* 103(2): 271–279.

Describes how larger structural forces and the power of dominant interests undermined a participatory process in water governance in South Africa.

Brown, K. 2002. Innovations for conservation and development. *Geographical Journal* 168(1): 6–17.

Critiques participatory approaches in developing country conservation for making unjustified assumptions about “communities” and failing to give real power to stakeholders, using case studies in Tobago and Brazil.

Brummel, R.F., K.C. Nelson, S.A. Grayzeck-Souter, P.J. Jakes, and D.R. Williams. 2010. Social learning in a policy-mandated collaboration: community wildfire protection planning in the eastern United States. *Journal of Environmental Planning and Management* 53(6): 681–699.

Evaluates the social learning that occurred in three participatory processes for developing community wildfire protection plans, concluding that mandatory participation will not necessarily foster deep learning.

- Bryson, J.M., and S.R. Anderson. 2000. Applying large-group interaction methods in the planning and implementation of major change efforts. *Public Administration Review* 60(2): 143–162.  
Canvasses the use of large group interaction methods for participation, and suggests ways of making them more effective.
- Buck, J.V., and B.S. Stone. 1981. Citizen involvement in federal planning: myth and reality. *Journal of Applied Behavioral Science* 17(4): 550–565.  
An early paper that documents how a participation process at Yellowstone National Park fell short of the promise of participation's proponents both in terms of the quality of the democracy involved and the influence on policy.
- Burger, J., and M. Gochfeld. 2009. Changes in Aleut concerns following the stakeholder-driven Amchitka Independent Science Assessment. *Risk Analysis*.  
Describes how participation in a risk assessment at a nuclear energy site in Alaska altered the concerns expressed by members of the local indigenous (Aleut) people.
- Bull, R., J. Petts, and J. Evans. 2010. The importance of context for effective public engagement: learning from the governance of waste. *Journal of Environmental Planning and Management* 53(8): 991–1009.  
Contrasts two cases of participatory processes to site energy-from-waste plants in England, showing that preexisting local context can shape the nature and outcome of the process.
- Burns, M.R., J.G. Taylor, and J.T. Hogan. 2008. Integrative healing: The importance of community collaboration in postfire recovery and prefire planning. p. 81–97. *In* Martin, W.E., Raish, C., Kent, B. (eds.), *Wildfire risk: Human perceptions and management implications*. Resources for the Future, Washington DC.  
Describes how participation in environmental planning helped to promote community healing after a catastrophic wildfire.
- Busenberg, G.J. 2000. Resources, political support, and citizen participation in environmental policy: a reexamination of conventional wisdom. *Society and Natural Resources* 13(6): 579–587.  
Uses a case study of oil industry oversight in Alaska to examine the usefulness of funding a CAG to do its own independent scientific analyses.
- Byron, I., and A. Curtis. 2001. Landcare in Australia: burned out and browned off. *Local Environment* 6(3): 311–326.  
Discusses the Landcare program in Australia, a nationwide participatory environmental management program, detailing how the government has displaced responsibility onto Landcare groups without giving them adequate funding.
- Campbell, J.T., T.M. Koontz, and J.E. Bonnell. 2011. Does collaboration promote grass-roots behavior change? Farmer adoption of best management practices in two watersheds. *Society and Natural Resources* 24(11): 1127–1141.  
Finds that participation in collaborative programs increases adoption of best management practices by land owners.
- Campbell, L.M., and A. Vainio-Mattila. 2003. Participatory development and community-based

- conservation: opportunities missed for lessons learned? *Human Ecology* 31(3): 417–437.  
Explains what the current proponents of “community-based conservation” could learn from the earlier wave of “participatory development.”
- Carr, D.S., and K.E. Halvorsen. 2001. An evaluation of three democratic, community-based approaches to citizen participation: surveys, conversations with community groups, and community dinners. *Society and Natural Resources* 14(2): 107–126.  
Compares the benefits of three methods of participation: surveys, focus groups, and community dinners.
- Carter, J. 2010. Protocols, particularities, and problematising Indigenous “engagement” in community-based environmental management in settled Australia. *Geographical Journal* 176(3): 199–213.  
Uses case studies in Queensland, Australia to critique how prevailing approaches to participation fail to genuinely engage with indigenous needs, perspectives, and culture.
- Carter, J.L., and G.J.E. Hill. 2007. Critiquing environmental management in indigenous Australia: Two case studies. *Area* 39(1): 43–54.  
Compares and contrasts two projects – one successful, one unsuccessful – to gain indigenous participation in environmental management through creating sustainable trepang (sea cucumber) production systems.
- Chambers, R. 1997. *Whose reality counts? putting the first last*. Intermediate Technology Publications, London.  
Gives an introduction to the justifications for participation in international development projects, focusing on the methodology of Participatory Rural Appraisal.
- Chambers, S. 2009. Rhetoric and the public sphere: has deliberative democracy abandoned mass democracy? *Political Theory* 37(3): 323–350.  
Evaluates the role of rhetoric in deliberation, and gives suggestions on how to bridge the gap between mass publics (which are vulnerable to rhetorical appeals) and small deliberative forums (which can neutralize rhetoric).
- Chapman, B. 1998. More easily done than said: rules, reasons, and rational social choice. *Oxford Journal of Legal Studies* 18(2): 293–329.  
Argues that the paradoxes raised by group decision theory arise from the use of purely instrumental rationality, and can be overcome by reasoned deliberation.
- Charnley, S., and B. Engelbert. 2005. Evaluating public participation in environmental decision-making: EPA’s superfund community involvement program. *Journal of Environmental Management* 77(3): 165–182.  
Emphasizes the importance of evaluation of participation processes, and carries out evaluations of several US EPA Superfund sites using mail surveys.
- Checkoway, B. 1981. The politics of public hearings. *Journal of Applied Behavioral Science* 17(4): 566–582.  
Analyzes public hearings as a mechanism for participation, outlining many ways that standard hearing formats fall short of providing real participation.

- Checkoway, B., and J. Van Til. 1978. What do we know about citizen participation? a selective review of research. p. 25–42. *In* Langton, S. (ed.), *Citizen participation in america*. D.C. Heath and Company, Lexington, MA.  
An early review of research findings, which raises many of the same issues that later research has followed up on.
- Cheng, A.S. 2006. Build it and they will come? Mandating collaboration in public lands planning and management. *Natural Resources Journal* 46(4): 841–858.  
Reviews the pros and cons of participation with a particular focus on wildfire management in the US.
- Chess, C. 2000. Evaluating environmental public participation: Methodological question. *Journal of Environmental Planning and Management* 43(6): 769–784.  
Gives a framework for thinking about evaluating participation processes.
- Chess, C., T. Dietz, and M. Shannon. 1998. Who should deliberate when? *Human Ecology Review* 5(1): 45–48.  
Argues that participatory processes should be sensitive to whether there is uncertainty about factual knowledge, conflict about values, or both.
- Chess, C., and B.B. Johnson. 2006. Organizational learning about public participation: “Tiggers” and “Eeyores.” *Human Ecology Review* 13(2): 182–192.  
Identifies two basic perspectives on participation within an environmental agency – one enthusiastic, the other feeling constrained by resources and rules.
- Chess, C., and K. Purcell. 1999. Public participation and the environment: Do we know what works? *Environmental Science and Technology* 33(16): 2685–2692.  
Reviews research on the effectiveness of different participatory mechanisms, concluding that the precise nature of the mechanism is less important than the commitment of the sponsoring agency.
- Chilvers, J., and J. Burgess. 2008. Power relations: The politics of risk and procedure in nuclear waste governance. *Environment and Planning A* 40(8): 1881–1900.  
Uses a case study of decision-making about nuclear power in Britain to illustrate how power relations distort participation and lead to cooptation.
- Clarke, B. 2008. Seeking the grail: Evaluating whether Australia’s Coastcare program achieved “meaningful community participation.” *Society and Natural Resources* 2(1): 891–907.  
Evaluates the Coastcare grant program in Australia, finding that it had mixed success in promoting real participation.
- Clarke, L., and J. Agyeman. 2011. Is there more to environmental participation than meets the eye? understanding agency, empowerment and disempowerment among black and minority ethnic communities. *Area* 43(1): 88–95.  
Examines how the structure of most participation processes in the UK tend to exclude black and minority ethnic people because they are based on white norms and don't engage the BME community.

- Coggins, G.C. 1999. Regulating federal natural resources: a summary case against devolved collaboration. *Ecology Law Quarterly* 25: 602.  
Makes a case against participation for being an abdication of government responsibility and empowering unrepresentative and anti-environmental local groups.
- Coglianesse, C. 2003. Is satisfaction success? Evaluating public participation in regulatory policymaking. p. 69–86. *In* O’Leary, R., Bingham, L.I. (eds.), *The promise and performance of environmental conflict resolution*. Resources for the Future, Washington DC.  
Critiques the use of participant satisfaction as a criterion for success in evaluating participation.
- Cohen, J. 2002. Deliberation and democratic legitimacy. p. 87–106. *In* Estlund, D. (ed.), *Democracy*. Blackwell, Malden, MA.  
Explains the theoretical basis for deliberative democracy, and answers some objections to it.
- Cohen, J., and A. Fung. 2004. Radical democracy. *Swiss Political Science Review* 10(4): 23–34.  
Explores the tension between the ideals of democracy (empowering the largest number of citizens) and deliberation (holding constructive dialogues among stakeholders).
- Cohen, N. 1995. Technical assistance for citizen participation: A case study of New York City’s environmental planning process. *American Review of Public Administration* 25(2): 119–126.  
Evaluates two case studies in which a Community Advisory Group received a grant to do independent scientific analyses, concluding that these analyses were helpful to the sponsoring agencies but the CAGs were unrepresentative of the public.
- Cohen, R.L. 1985. Procedural justice and participation. *Human Relations* 38: 643–663.  
Argues on the basis of experiments in employee dispute resolution that participation can make the final decision less accepted by the losers if they view the offer of participation as a cynical ploy.
- Conley, A., and M.A. Moote. 2003. Evaluating collaborative natural resource management. *Society and Natural Resources* 16(5): 371–386.  
Outlines the key considerations for evaluation of participatory processes.
- Connick, S., and J.E. Innes. 2003. Outcomes of collaborative water policy making: applying complexity thinking to evaluation. *Journal of Environmental Planning and Management* 46(2): 177–197.  
Argues that participation takes us away from a paradigm in which policy mechanically produces good outcomes, to one in which policymaking is a complex adaptive process.
- Cooke, B., and U. Kothari. 2001. *Participation: the new tyranny?* Zed Books, London.  
This edited volume includes a number of trenchant critiques of the dominance of participatory approaches in the context of international development.
- Cox, M., G. Arnold, and S. Villamayor Tomás. 2010. A review of design principles for community-based natural resource management. *Ecology and Society* 15(4): 38.  
Conducts a meta-analysis of empirical evidence bearing on Ostrom’s eight design principles for successful community-based resource

- Creighton, J.L. 1991. A comparison of successful and unsuccessful public involvement: a practitioner's viewpoint. p. 135–141. *In* Zervos, C. (ed.), *Risk analysis: prospects and opportunities*. Plenum Press, New York.  
Gives a detailed list of factors that lead to participation that will be considered “successful,” concluding that most of them are outside the sponsoring agency's control.
- Cullen, D., G.J.A. McGee, T.I. Gunton, and J.C. Day. 2010. Collaborative planning in complex stakeholder environments: an evaluation of a two-tiered collaborative planning model. *Society and Natural Resources* 23(4): 332–350.  
Describes a participatory process in British Columbia that used a “two table” model to give indigenous people a special say in the decision rather than treating them like just another stakeholder at the table.
- Cuppen, E. 2012. Diversity and constructive conflict in stakeholder dialogue: considerations for design and methods. *Policy Sciences* 45(1): 23–46.  
Explores how Q method can be used to ensure adequate diversity of perspectives in a participation process, and how the process can be structured to generate constructive conflict rather than simply focusing on areas of already-existing agreement.
- Cuppen, E., S. Breukers, M. Hisschemöller, and E. Bergsma. 2010. Q methodology to select participants for a stakeholder dialogue on energy option from biomass in the Netherlands. *Ecological Economics* 69: 579–591.  
Uses a case study of biomass burning in the Netherlands to illustrate how Q method can be used to select a diverse set of stakeholders for a participatory process.
- Dahlberg, L. 2005. The Habermasian public sphere: taking difference seriously? *Theory and Society* 34: 111–136.  
Responds to critics of Habermas's ideal of deliberation, arguing that Habermas's theory actually embraces critics' concerns about the exclusion of non-rational talk and the coerciveness of consensus.
- Dale, A.P., and M.B. Lane. 1994. Strategic perspectives analysis: A procedure for participatory and political social impact assessment. *Society and Natural Resources* 7: 253–267.  
Proposes a formal process for incorporating stakeholder input in environmental decision-making.
- Daniels, S.E., R.L. Lawrence, and R.J. Alig. 1996. Decision-making and ecosystem-based management: applying the Vroom-Yetton model to public participation strategy. *Environmental Impact Assessment Review* 16: 13–30.  
Shows how to apply the model created by Vroom and Yetton () to choosing a form of participatory process in an environmental decision-making context.
- Daniels, S.E., and G.B. Walker. 1996. Collaborative learning: improving public deliberation in ecosystem-based management. *Environmental Impact Assessment Review* 16: 71–102.  
Explains how social learning can be encouraged in environmental decision making contexts.
- Daniels, S.E., and G.B. Walker. 2001. *Working through environmental conflict: the collaborative learning approach*. Praeger, Westport, CT.

- Frames decision-making as a social learning process, with participants gaining deeper understandings of both the facts of the issue at hand as well as the values and perspectives of other participants, leading to a better outcome and greater decision legitimacy.
- Danielson, S., S.L. Santos, T. Webler, and S.P. Tuler. 2008. Building and breaking a bridge of trust in a Superfund site remediation. *International Journal of Global Environmental Issues* 8(1/2): 45–60. Describes a contaminated site remediation process in which one citizen group lost the confidence of a significant segment of the public because they were viewed as coopted by the sponsoring agency.
- Danielson, S., S.P. Tuler, S.L. Santos, T. Webler, and C. Chess. 2012. Three tools for evaluating participation: Focus groups, Q method, and surveys. *Environmental Practice* 14(2): 101–109. Compares the strengths and weaknesses of the use of focus groups, Q method, and surveys in evaluating participation processes.
- Danielson, S., T. Webler, and S.P. Tuler. 2010. Using Q method for the formative evaluation of a public participation process. *Society and Natural Resources* 23(1): 92–96. Gives an overview of the use of Q method in evaluating participation processes.
- Darnall, N., and G.J. Jolley. 2004. Involving the public: when are surveys and stakeholder interviews effective? *Review of Policy Research* 21(4): 581–593. Proposes that surveys and interviews to get public input are an adequate substitute for deliberative forms of participation.
- Davies, A.R. 2001. Hidden or hiding? public perceptions of participation in the planning system. *Town Planning Review* 72(2): 193–216. Examines reasons for non-participation in the British public, attributing it to a lack of trust and a lack of cultural support for participation.
- Davies, B.B., K. Blackstock, and F. Rauschmayer. 2005. “Recruitment,” “composition,” and “mandate” issues in deliberative processes: should we focus on arguments rather than individuals? *Environment and Planning C* 23: 599–615. Examines the issues raised by a small group of participants representing the interests and views of a larger population of people.
- Davis, N.A. 2011. Broadening participation in fisheries management planning: a tale of two committees. *Society and Natural Resources* 24(2): 103–118. Describes a case of participation in fisheries management in which the government organized two separate advisory groups, one for just fishers and one for all stakeholders, showing that the process gave inadequate input to the stakeholders.
- Day, D. 1997. Citizen participation in the planning process: an essentially contested concept? *Journal of Planning Literature* 11(3): 421–434. Gives an overview of considerations in creating participation processes, describing the rationales for participation and the problems and concerns raised by its critics.
- DeCaro, D., and M. Stokes. 2008. Social-psychological principles of community-based conservation

and conservancy motivation: Attaining goals within and autonomy-supportive environment. *Conservation Biology* 22(6): 1443-1451.

Describes how participation can be designed to support and enhance the development of psychological autonomy.

Desai, U. 1989. Public participation in environmental policy implementation: Case of the Surface Mining Control and Reclamation Act. *American Review of Public Administration* 19(1): 49–66. Evaluates the nature of participation at different stages of implementation of the Surface Mining Control and Reclamation Act in the USA, showing that laypeople are more engaged with permitting at specific sites, since those affect them directly, rather than general rulemaking.

Dewey, J. 1954. *The public and its problems*. Swallow Press, Chicago. John Dewey's clearest statement on the role of participation in society, describing how problems generate concerned publics who can engage in inquiry to resolve the problem.

Dietz, T., and P.C. Stern. 2008. Public participation in environmental assessment and decision making [Online]. Available at [http://www.nap.edu/openbook.php?record\\_id=12434](http://www.nap.edu/openbook.php?record_id=12434) National Academies Press, Washington DC.

Gives a positive overview of the potential for participation in decision-making in the US federal government.

Dovers, S. 1998. Community involvement in environmental management: thoughts for emergency management. *Australian Journal of Emergency Management* 13(2): 6–11.

Describes how the emergency management field can learn about participation from the environmental management field.

Druckman, J.N. 2004. Political preference formation: competition, deliberation, and the (ir)relevance of framing effects. *American Political Science Review* 98(4): 671–686.

Reports on an experiment showing that deliberation can overcome framing effects that would otherwise make people's decisions irrational.

Druckman, J.N., and K.R. Nelson. 2003. Framing and deliberation: how citizens' conversations limit elite influence. *American Journal of Political Science* 47(4): 729–745.

Reports on an experiment showing that deliberation can overcome framing effects that would otherwise make people's decisions irrational.

Dryzek, J.S. 1994. Ecological and discursive democracy: beyond liberal capitalism and the administrative state. p. 176–197. In O'Connor, M. (ed.), *Is capitalism sustainable? political economy and the politics of ecology*. Guilford, New York.

Proposes deliberative democracy as an alternative to capitalism and liberal democracy which can achieve greater ecological rationality.

Dryzek, J.S. 1995. Political and ecological communication. *Environmental Politics* 4(4): 13–30.

Argues that democracy should be based on authentic communication, which can only be achieved through deliberation.

Dryzek, J.S. 1996. Political inclusion and the dynamics of democratization. *American Political Science*

Review 90(3): 475–487.

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Dryzek, J.S. 2002. *Deliberative democracy and beyond: liberals, critics, contestations*. Oxford University Press, Oxford.

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- Elbakidze, M., P.K. Angelstam, C. Sandström, and R. Axelsson. 2010. Multi-stakeholder collaboration in Russian and Swedish Model Forest initiatives: adaptive governance toward sustainable forest management? *Ecology and Society* 15(2): 14.  
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- Eliasoph, N. 1998. *Avoiding politics: How Americans produce apathy in everyday life*. Cambridge University Press, Cambridge.  
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- Ellerbusch, F., D.M. Gute, A.M. Desmarais, and M. Woodin. 2006. Community engagement as a component of revitalization: lessons learned from the Technical Outreach Services to Communities program. *Local Environment* 11(5): 515–535.  
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Examines the basis for legitimacy of decisions in several models of deliberative democracy, concluding that deliberation should be legitimate because it has a tendency to produce correct outcomes, rather than because it is a priori fair.
- Everett, Y., and M. Fuller. 2011. Fire Safe Councils in the interface. *Society and Natural Resources* 24(4): 319–333.

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- Faast, T., and V. Simon-Brown. 1999. A social ethic for fish and wildlife management. *Human Dimensions of Wildlife* 4(3): 86–92.
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should do more to cultivate people's ability to conduct deliberation within their own minds by exposing them to the widest possible set of artistic voices.

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about environmental policy topics, concluding that they are much closer to being fully representative than is commonly believed.

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Habermas, J. 1970. Towards a theory of communicative competence. *Inquiry* 13: 360–375. Uses theory about undistorted communication to outline the concept of the ideal speech situation.

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Habermas, J. 1996. *Between facts and norms: contributions to a discourse theory of law and democracy*. MIT Press, Cambridge, MA.

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- Hanna, S.S. 1998. Managing for human and ecological context in the Maine soft shell clam fishery. p. 190–212. *In* Berkes, F., Colding, J., Folke, C. (eds.), *Linking social and ecological systems: management practice and social mechanisms for building resilience*. Cambridge University Press, Cambridge.  
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- Harris, T.M., D. Weiner, T.A. Warner, and R. Levin. 1995. Pursuing social goals through participatory Geographic Information Systems. p. 196–222. *In* Pickles, J. (ed.), *Ground truth: the social implications of geographic information systems*. Guilford Press, New York.  
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291–310.

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Examines how the interests of future generations can be protected in deliberative democracy, since people who don't exist yet can't participate in deliberation.
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- Holifield, R. 2004. Neoliberalism and environmental justice in the United States environmental protection agency: translating policy into managerial practice in hazardous waste remediation. *Geoforum* 35: 285–297.  
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- Howe, P.D., B. Yarnal, A. Coletti, and N.J. Wood. 2013. The participatory vulnerability scoping diagram: deliberative risk ranking for community water systems. *Annals of the Association of American Geographers* 103(2): 343–352.  
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- Humphrey, M. 2007. *Ecological politics and democratic theory: The challenge to the deliberative ideal*. Routledge, New York.  
Argues that, contrary to the widespread turn toward participatory approaches, deliberative democracy will hamper the achievement of environmentalist goals.
- Hunold, C., and I.M. Young. 1998. Justice, democracy, and hazardous siting. *Political Studies* 46: 82–95.  
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- Hunt, L.M., and B.L. McFarlane. 2007. Understanding self-evaluations of effectiveness by forestry advisory committee members: A case of Ontario's Local Citizens Committee members. *Journal of Environmental Management* 83: 105–114.  
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Irvin, R., and J. Stansbury. 2004. Citizen participation in decision making: Is it worth the effort? *Public Administration Review* 64(1): 55–65.  
Points out the many costs and drawbacks to the sponsoring agency of participation, and describes a case of watershed planning in Nebraska, USA where participation wasn't worth it.

Izurieta, A., B. Sithole, N. Stacey, H. Hunter-Xenie, B. Campbell, P. Donohoe, J. Brown, and L. Wilson. 2011. Developing indicators for monitoring and evaluating joint management effectiveness in protected areas in the Northern Territory, Australia. *Ecology and Society* 16(3) Available at <http://www.ecologyandsociety.org/vol16/iss3/art9/> (verified 9 January 2012).  
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- Muro, M., and P. Jeffrey. 2008. A critical review of the theory and application of social learning in participatory natural resource management processes. *Journal of Environmental Planning and Management* 51(3): 325–344.

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National Research Council. 1996. *Understanding risk: informing decisions in a democratic society*. National Academies Press, Washington DC.

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- Niemeyer, S., S. Ayirtman, and J. HartzKarp. 2013. Understanding deliberative citizens: the application of Q methodology to deliberation on policy issues. *Operant Subjectivity* 36(2): 114–134.  
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- Nightingale, A. 2003. Nature-society and development: social, cultural and ecological change in Nepal. *Geoforum* 34: 525–540.  
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- Norton, B.G., and B. Hannon. 1998. Democracy and sense of place values in environmental policy. *In* Light, A., Smith, J.M. (eds.), *Philosophy and geography III: philosophies of place*. Rowman and Littlefield, Lanham, MD.  
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- Nurse-Bray, M., H. Marsh, and H. Ross. 2010. Exploring discourses in environmental decision making: an indigenous hunting case study. *Society and Natural Resources* 23(4): 366–382.  
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- O’Hara, S.U. 1996. Discursive ethics in ecosystems valuation and environmental policy. *Ecological Economics* 16: 95–107.  
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- O’Neill, J. 2001. Representing people, representing nature, representing the world. *Environment and Planning C* 19: 483–500.  
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- O’Neill, S. 2000. The politics of inclusive agreements: towards a critical discourse theory of democracy. *Political Studies* 48: 503–521.  
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that Habermas proposes.

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Ottonelli, V. 2010. What does the discursive paradox really mean for democracy? *Political Studies* 58: 666–687.

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Parkinson, J. 2003. Legitimacy problems in deliberative democracy. *Political Studies* 51: 180–196.

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Pellizzoni, L. 2001. The myth of the best argument: power, deliberation and reason. *British Journal of Sociology* 52(1): 59–86.

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Pellizzoni, L. 2003. Uncertainty and participatory democracy. *Environmental Values* 12: 195–224.

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Peterson, M.N., M.J. Peterson, and T.R. Peterson. 2005. Conservation and the myth of consensus. *Conservation Biology* 19(3): 762–767.

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Peterson, R.B., D. Russell, P. West, and J.P. Brosius. 2010. Seeing (and doing) conservation through cultural lenses. *Environmental Management* 45: 5-18.

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Petts, J. 2006. Managing public engagement to optimize learning: reflections from urban river restoration. *Human Ecology Review* 13(2): 172–181.

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Petts, J. 2008. Public engagement to build trust: false hopes? *Journal of Risk Research* 11(6): 821–835.

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Pimbert, M.P., and B. Gujja. 1997. Village voices challenging wetland management policies: experiences in participatory rural appraisal from India and Pakistan. *Nature and Resources* 33(1): 34–42.

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Pincione, G., and F.R. Tesón. 2011. *Rational choice and democratic deliberation: a theory of discourse failure*. Cambridge University Press, Cambridge.

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