

CURRICULUM VITA
March 2019

Name GROENFELDT, DAVID J.
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Nationality USA
Date of birth

SUMMARY

Water anthropologist with 34 years' experience in sustainable development and water policy work, including research, project analysis and evaluation, training and capacity-building, program management, and networking and outreach. Topical areas of expertise include water and agricultural policy, watershed and basin management, water dimensions of climate adaptation, social assessment and participation, Indigenous Peoples' cultural rights, protected area and buffer zone planning and management; environmental assessment; and institutional analysis. Long-term assignments have included a research institute (IWMI, 5 years), a development agency (the World Bank, 7 years), an environmental NGO (WWF, 1 year), a consulting firm (ARD, 3 years), a place-based NGO (Santa Fe Watershed Association, 4 years), and since 2010, a water policy institute (Water-Culture Institute). In between and overlapping, I have consulted on water issues for various multi-lateral (UNDP, World Bank, ADB, IFAD, FAO), and bilateral agencies (JICA, USAID, GTZ, DSE). Since 2008 I have also held the position of Adjunct Professor of Anthropology at the University of New Mexico. From Aug-Nov. 2013 I was a Visiting Research Fellow at the Research Institute for Humanity and Nature (RIHN) in Kyoto, Japan.

WORK EXPERIENCE

- *Dates (from – to)* January 2010 - Present
- *Name and address of employer* Water-Culture Institute, 1021 Camino Santander, Santa Fe, New Mexico 87505 USA
- *Type of business or sector* Environmental NGO
- *Occupation or position held* Director
- *Main activities and responsibilities* I founded the Institute in 2010 and serve as its Director. The mission of Water-Culture Institute is to clarify our moral responsibility to water and develop practical tools for applying ethics in water-related decision-making. I am responsible for program development and overall management, administer the website (www.waterculture.org), and serve as Coordinator for the Water Ethics Network. I write the Network e-newsletter, and network with partner organizations. Other key Institute initiatives are (a) Participatory Water Management and (b) Supporting Indigenous Water Sovereignty, a 2018-19 study of Indigenous water rights issues in the US Southwest and globally.

- *Dates (from – to)* August 2008 - Present
- *Name and address of employer* University of New Mexico, Albuquerque, New Mexico 87131 USA
- *Occupation or position held* Adjunct Professor, Department of Anthropology
- *Main activities and responsibilities* I taught an upper-level course on "Anthropology of Water" in Fall 2008, and since then have been on-call to advise students on water-related topics.

- *Dates (from – to)* January 2010 – Present
- *Name and address of employer* Independent Consultant, 1021 Camino Santander, Santa Fe, New Mexico 87505 USA
- *Type of business or sector* International Development

- *Occupation or position held*
- *Selected activities*

Independent Consultant and Researcher

- Evaluation consultant on Integrated Natural Resources Management for GEF/UNDP financed MENARID project, with pilot activities in 4 provinces of Iran. I wrote evaluated both project activities and the overall project concept (Dec 2016 - July 2017). Client: UNDP-Iran.
- Visiting Research Fellow, RIHN, Kyoto, Japan. Member of the project, "Designing Local Frameworks for Integrated Water Resources Management"; I developed a methodology for studying Water Culture and tested it in field visits to Indonesia (Bali and South Sulawesi) and Turkey (Adana and Harran Plain). (July-November 2013. Client: Research Institute for Humanity and Nature (RIHN), Kyoto.
- External review of training modules on Integrated Urban Water Management, June 2013. Client: UN-Water.
- Field evaluation of Chhattisgarh Irrigation Development Project (India) focusing on formation of water user associations and agricultural impacts. Jan-April 2011. Client: ADB.
- Drafted report on stakeholder roles in river basin governance and implications for the Rio Grande. Feb. 2011. Client: NM Audubon
- External reviewer for three rural development project design documents (Guyana, Suriname, Sierra Leone) focusing on agriculture and rural infrastructure. June 2010, Client: IFAD.

- *Dates (from – to)*
- *Name and address of employer*
- *Type of business or sector*
- *Occupation or position held*
- *Main activities and responsibilities*

March 2006 – December 2009

Santa Fe Watershed Association, 1413 Second St., Santa Fe, New Mexico 87505 USA

Environmental NGO

Executive Director

I managed both the substantive and financial aspects of the organization, which has a mission of restoring health to the Santa Fe River and its watershed (see www.santafewatershed.org). I engaged in policy advocacy related to the watershed, presented professional papers about local water issues, gave talks to local civic groups, networked with other organizations and developed new programs and funding sources to support those programs. Accomplishments include (1) the successful nomination of the Santa Fe River as the "Most Endangered River in America," (2) leading a municipal, Federal, and non-profit coalition to develop an innovative "payment for ecosystem services" program to finance watershed protection, and (3) progress towards effecting ecologically-friendly local river policies and water management practices.

- *Dates (from – to)*
- *Name and address of employer*
- *Type of business or sector*
- *Occupation or position held*
- *Selected activities*
(continued)

Sept 2001 – Dec. 2009

Consultant on Rural Development, 1021 Camino Santander, Santa Fe, New Mexico 87505 USA

International Development

Independent Consultant

- Prepared White Paper and presented keynote address on European approach to multifunctional agriculture and its relevance to Asian rice systems, Oct-Dec. 2009. Client: Japanese Institute for Irrigation and Drainage (JIID) and Tokyo University.
- Chair of web-discussion on paddy cultivation in Asia, including drafting background papers, summarizing discussion, and reporting on outcomes, Aug-Nov. 2005; Aug-Sept. 2006, Sept-Dec 2007. Client: Japanese Ministry of Agriculture.
- Prepared training modules and delivered training sessions on Capacity Building for Participatory Irrigation Management, in Izmir, Turkey, May-June 2006 Client: INPIM.
- Drafted two background papers for the FAO-IWMI program on the Comprehensive Assessment of Irrigation, May-June 2005. Client: FAO, Rome.
- Drafted a series of three commissioned papers on multifunctional agriculture in Asia Client: Japanese Ministry of Agriculture (Sept 2004 to Dec. 2007)
- Established the Indigenous Water website, and organized a session for the World Water Forum (Kyoto, Japan, March 2003) on "Indigenous Perspectives on Water and Development" which entailed networking with indigenous NGOs. Client: Wageningen University, NL.
- Coordinator of field component for the USAID-financed "Water-Energy Nexus Project" in Andhra Pradesh, India. (September 2002 to January 2003; Client: AED.

- Co-drafted a report on evaluation criteria for irrigation and drainage projects to ensure consistency with new strategic priorities (April – July 2002). Client: World Bank.
- Assisted the World Water Council (Marseille) in drafting the Water Action Report as an input to the next World Water Forum (Feb/March 2002). Client: World Water Council.
- Co-directed international training course on "Capacity Building for Participatory Irrigation Management" in Bari, Italy (Sept. 2001). Client: INPIM

- *Dates (from – to)*
- *Name and address of employer*
- *Type of business or sector*
- *Occupation or position held*
- *Main activities and responsibilities*

September 1999 – August 2001

The World Bank, 1818 H Street, NW, Washington, DC 20433

International Development Agency

Water Resources Specialist

My responsibilities included (1) strategic analysis of water resources projects with respect to poverty alleviation and stakeholder participation, (2) direct support to projects in India and Yemen on issues of participatory resource management, capacity building, and institutional reform. From 1999-2000 I also coordinated a series of regional seminars and meetings on "Water for Food and Rural Development" leading up to the Second World Water Forum in The Hague in March 2000. I later organized an international workshop on watershed management held at the World Bank in December 2000.

- *Dates (from – to)*
- *Name and address of employer*
- *Type of business or sector*
- *Occupation or position held*
- *Main activities and responsibilities*

November 1994 – September 1999

The World Bank, 1818 H Street, NW, Washington, DC 20433

International Development Agency

Task Manager on Participatory Irrigation Management

I was responsible for planning, organizing, and facilitating policy seminars and training courses on participatory irrigation management, and producing the training material. I conducted national policy seminars in India (1994, '95. and '97), Pakistan (1994 and '95), Indonesia (1996), Morocco (1996), and international seminars in Mexico (1995), Turkey (1996) and Japan (1997). I co-directed an annual international program on PIM held at the Mediterranean Agronomic Institute of Bari, Italy and commissioned a series of case studies published by the World Bank Institute (Groenfeldt and Svendsen 2000). I helped establish the International Network on PIM which conducts training and capacity building activities related to participatory irrigation management.

- *Dates (from – to)*
- *Name and address of employer*
- *Type of business or sector*
- *Occupation or position held*
- *Main activities and responsibilities*

August 1995 – May 1997

George Washington University

University

Adjunct Associate Professor of Anthropology

Concurrent with my full-time appointment with the World Bank, I co-taught an undergraduate course on Development Anthropology and a graduate seminar on Rural Development

- *Dates (from – to)*
- *Name and address of employer*
- *Type of business or sector*
- *Occupation or position held*

October 1991 – November 1994

ARD, Inc. 159 Bank Street, Burlington, Vermont 05402 USA

Consulting Firm

Senior Associate

- *Main activities and responsibilities* I served as the Washington, DC representative for the firm and developed new project concepts through networking with prospective clients (e.g., World Bank and USAID) and partners. I backstopped projects dealing with irrigation and watershed resources management, community participation, and environmental assessment. Specific consulting tasks for the World Bank included (a) designing irrigation investment programs in Orissa, and Tamil Nadu with particular focus on enhancing farmers' management roles, and (b) helping draft a forest policy document for the Africa region. For DSE (German Foundation for Educational Development), developed curricula and taught courses for mid-level managers in four SE Asian countries, on (1) monitoring and evaluation of irrigation systems, (2) environmental dimensions of irrigation, and (3) farmer participation in irrigation management. (May-July 1992). During Spring semester 1993 I also co-taught a MA-level course on rural development at Johns Hopkins School for Advanced International Studies.

- *Dates (from – to)* June 1990 – September 1991
- *Name and address of employer* Self, 526 Ashford Road, Silver Spring, MD 20910 USA
- *Occupation or position held* Independent Consultant
- *Main activities and responsibilities* I carried out assignments for the World Bank (drafting portions of World Development Report 1992), World Resources Institute (analysis of natural resources policy reform in Africa), USAID (environmental guidance to the Women in Development Office); DSE (German Foundation for Educational Development), I taught courses on local participation in irrigation system management and on strengthening farmer-managed irrigation systems; IFAD-Rome (team leader for an environmental assessment of a watershed improvement project in Phrae Province, Thailand) and World Wildlife Fund (evaluation of an integrated conservation and development project in Southwestern Madagascar).

- *Dates (from – to)* June 1989 – May 1990
- *Name and address of employer* World Wildlife Fund, 1250 24th Street, NW, Washington, DC 20533
- *Type of business or sector* Environmental NGO
- *Occupation or position held* Visiting Associate
- *Main activities and responsibilities* I worked with the Osborn Center for Conservation and Development, where I edited the Center's policy paper series on environment and development issues, wrote a manuscript on small-scale irrigation development in fragile lands, and served as team leader on a mission to investigate buffer zone development options in Gujarat and Rajasthan, India.

- *Dates (from – to)* November 1984 – May 1989
- *Name and address of employer* International Water Management Institute, PO Box 2075, Colombo, Sri Lanka
- *Type of business or sector* International Agricultural Research Center
- *Occupation or position held* Economic Anthropologist
- *Main activities and responsibilities* I developed and managed the Institute's research program on farmer-managed irrigation systems (FMIS) in six countries in Asia and North Africa, and led the participation component of a long-term research program in Sri Lanka on improved irrigation management .

- *Dates (from – to)* September 1980 – May 1982
- *Name and address of employer* University of Arizona, Tucson, Arizona, USA
- *Occupation or position held* PhD Research in Rajasthan and Haryana, India
- *Main activities and responsibilities* I conducted an 20-month village-level field study of the social and economic impacts of the Bhakra Canal Project. The study used participant-observation to compare two villages along the edge of the command area on the border of Haryana and Rajasthan states.

EDUCATION AND TRAINING

- *Dates (from – to)* January 2002 (one week)
- *Name and type of organisation* NTL Institute, Alexandria, Virginia, USA
- *Principal subjects/* Appreciative Inquiry

- *Title of qualification awarded* Certificate
- *Dates (from – to)* August 1979 – August 1984
- *Name and type of organisation* University of Arizona, Tucson, Arizona, USA
- *Principal subjects* Anthropology-major; Agricultural Economics-minor
- *Title of qualification awarded* PhD
- *Dates (from – to)* August 1977 – June 1979
- *Name and type of organisation* University of Arizona, Tucson, Arizona, USA
- *Principal subjects* Anthropology
- *Title of qualification awarded* Master of Arts (MA)
- *Dates (from – to)* September 1970 – November 1974
- *Name and type of organisation* Pennsylvania State University, State College, Pennsylvania, USA
- *Principal subjects* History, Anthropology, French
- *Title of qualification awarded* Bachelor of Arts (BA)

LANGUAGES.

MOTHER TONGUE

ENGLISH

OTHER LANGUAGES

FRENCH

READING – EXCELLENT; WRITING – GOOD; VERBAL - GOOD

SPANISH

READING – Basic; WRITING – Basic; VERBAL - Basic

HINDI / URDU

READING – Basic (Hindi only); WRITING – Basic (Hindi only); VERBAL - Good

RECENT PUBLICATIONS

Website: www.waterculture.org. I write the content for my Institute's website, and update the entries periodically.

e-Newsletter. I produced the monthly *Water Ethics Network Newsletter* from August 2011 to October 2018. The newsletters are archived at: <http://waterethics.org/wen-newsletter/>.

Books and Monographs

2019 *Water Ethics: A Values Approach to Solving the Water Crisis - 2nd Edition*, Routledge, London.

<https://www.taylorfrancis.com/books/9781351200189>

2017 *Global Water Ethics: Towards a Global Ethics Charter* [co-edited with Rafael Ziegler]. Routledge, London. <https://www.routledge.com/p/book/9781138204294>

2013 *Water Ethics: A Values Approach to Solving the Water Crisis*. London: Earthscan. <http://www.routledge.com/books/details/9780415626453/>.

2000 *Case Studies in Participatory Irrigation Management*, (co-edited with Mark Svendsen), Washington: World Bank Institute Learning Resources Series.

1986 *Social Science Perspectives on Managing Agricultural Technology*, (co-edited with Joyce Mook), Digana, Sri Lanka: Intl. Irrigation Management Institute.

1984 *Change, Persistence and the Impact of Irrigation: A Controlled Comparison of Two North Indian Villages* [Doctoral Dissertation, University of Arizona] Ann Arbor: University Microfilms.

Selected Reports and Articles

- 2018 Imagining an ethical future for the Mekong River. *Georgetown Journal of Asian Affairs*, Fall 2018.
- 2018 A conceptual framework for water ethics. *Water Resources Impact* 20(2):8-11
- 2016 Cultural water wars: Power and hegemony in the semiotics of water, In: C. Ashcraft and T. Mayer (eds), *The Politics of Freshwater: Access, Conflict and Identity*. Routledge, London.
- 2016 Toward a new water ethic. *Leopold Outlook*, Spring, pp12-16
- 2015 Free Flow: Why cultural diversity matters for healthy rivers. *Langscape* 4(1):15-18
- 2013, with Jeremy Schmidt, Ethics and water governance. *Ecology and Society* 18(1):14
<http://www.ecologyandsociety.org/vol18/iss1/art14/>
- 2011 Stakeholder Roles in Rio Grande Basin Management. Report commissioned by New Mexico Audubon Society.
- 2010 The Next Nexus: Environmental ethics, water management, and climate change. *Water Alternatives* 3(3):575-586. http://www.water-alternatives.org/index.php?option=com_docman&task=doc_download&gid=117
- 2009 Multifunctional Agricultural Policies and Practices in Europe and Relevance for Monsoon Asia. Report prepared for the 6th Steering Meeting of INWEPF, Tokyo, Nov. 2009 and available at: http://www.waterculture.org/uploads/Multifunctional_Report-Groenfeldt-Dec2009.pdf
- 2009 Social capital accumulation through building up irrigation water governance in Monsoon Asia (with K. Yamaoka, K. Asan and M. Sugiura). In, G. Tripp, M. Payne. and D. Diodorus (eds), *Social Capital*. New York: Nova Science Publishers.
- 2008 Animism, economics, and sustainable water development. In, Sylvie Shaw and Andrew Francis (eds), *Deep Blue: Critical Reflections on Nature, Religion, and Water*. London: Equinox.
- 2007 How the multifunctionality concept can restore meaning to agriculture. In, Bertus Haverkort and Coen Reijntjes (eds), *Moving Worldviews: Reshaping sciences, policies and practices for endogenous sustainable development*. Leusden (Netherlands): ETC/Compas.
- 2006 Water development and spiritual values in western and indigenous societies. In M. Chibba, D. Nakashima, and R. Boelens (eds) *Water and Cultural Values*. Paris: UNESCO.
- 2006 Multifunctionality of Agricultural Water: Looking Beyond Food Production and Ecosystem Services. *Irrigation and Drainage* 55:1-11.
- 2004 Building on Tradition: Indigenous Irrigation and Sustainable Development in Asia. In Corinne Wacker (ed) *Water, Cultural Diversity and International Solidarity*. Zurich: Zurich Working Papers in Social Anthropology 16.¶
- 2003 The future of indigenous values: Cultural relativism in the face of economic development. *Futures* (35):917-929.
- 2000 A Watershed Approach to Rural Development: Summary Report of a Workshop Organized by the World Bank, Washington, DC, December 2000.
- 1998 Handbook on Participatory Irrigation Management. World Bank Economic Development Institute.
- 1991 Natural Resources Policy Reform in Africa: An Assessment of USAID Experience. World Resources Institute, August 1991.
- 1990 Environmental Assessment of the Mae Lai Watershed Development Project, Thailand. Report to IFAD (Rome), October 1990.
- 1990 Opportunities for Eco-Development in Buffer Zones: An Assessment of Two Cases in Western India. Biodiversity Support Program, World Wildlife Fund; May 1990.
- 1988 Shared Government-Farmer Management of Irrigation Resources: The Potential for Farmer Participation, *Irrigation and Drainage Systems* 2:241-257.
- 1986 Analyzing irrigation's impact in Northwest India: An ethnographic approach, in Edward Green (ed.), *Practicing Development Anthropology*. Boulder: Westview Press.
- 1983 Social consequences of irrigation in the Bagar region, Northwest India. *South Asian Anthropologist* 4(2):77-82.

Recent Presentations

- > Oct 22, 2018, *Learning from Indigenous Water Ethics*, presentation to symposium on Indigenous Water Ethics: Sacred waters connecting culture, people and place. University of Arizona, Tucson, AZ
- > June 21, 2017, *Ethical Flow*, presentation to the SESYNC Workshop on Environmental Flows, Annapolis, MD.
- > March 28, 2017, *Developing a Community-Based Water Charter for Santa Fe*, presentation at the Society for Applied Anthropology meetings, Santa Fe, NM.
- > Sept. 30, 2016, *The Role of Charters in Operationalizing Water Ethics*, Under Western Skies Conference, Mount Royal University, Calgary, Alberta
- > April 25, 2016, *How Should We Manage Water? An Ethics Framework for Decision Makers*, Symposium on Building Strategies for Water Ethics, University of Arizona, Tucson.
- > March 31, 2016, *Applying Ethics to the Challenges of Oceans Governance*, invited presentation to the Conference on Global Oceans Governance, The Hague Institute for Global Justice, Netherlands
- > Oct. 30, 2015, *Better Water Management: Using ethics to get more value from less water*, invited University Seminar, University of Arizona, Tucson, AZ
- > July 24, 2015, *Do Ethical Codes Matter? A Strategic Analysis of the Water Ethics Charter Initiative*, presentation at the biennial conference of International Society for Environmental Ethics, Kiel, Germany
- > June 18, 2015, *A Values Approach to Solving the Water Crisis*, invited talk to the 10th International Symposium, Research Institute for Humanity and Nature, Kyoto, Japan
- > April 15, 2015, *Ethics as a Frame for Understanding Communal Water Management*, presentation at 7th World Water Forum, Daegu, South Korea.
- > April 14, 2015, *Mainstreaming a New Water Ethic*, presentation at 7th World Water Forum, Daegu, South Korea
- > March 25, 2015, *Dams, Floods and Culture along the Rivers of New Mexico*, presentation at the Society for Applied Anthropology meetings, Pittsburgh, PA (USA).
- > March 13, 2015, *Ethics as a Bridge between Traditional and Contemporary Water Governance*, invited talk at Symposium on Governance of Water Resources: Values, Traditions and Contemporary Policies, organized by the Institute for the Study of Muslim Civilizations, Aga Khan University, London [Rabat, Morocco].
- > Dec. 10, 2014, *Water Ethics and the Water Ethics Charter*, presentation at the Third Arab Water Forum, Cairo, Egypt.
- > Oct. 13, 2014, *The Path to Sustainable Water Management Starts with Ethics*, invited talk at the Mediterranean Agronomic Institute, Bari, Italy.
- > March 24, 2014, *Toward an Ethical Response to the Water Crisis*, invited talk to the Berman Institute for Bioethics, Johns Hopkins University, Baltimore, MD (USA)
- > March 10, 2014, *Four Kinds of Water Ethics*, invited talk at University of Tubingen (Germany), Junior Research Group on Ethics of Science in Research for Sustainable Development
- Jan. 29, 2014, *A Values Perspective on Valuing Water*, presentation to Water and Innovation Symposium, University of British Columbia, Vancouver.
- > Dec. 5, 2013, *Water Ethics: A Values Approach to Water Security*, invited seminar, Joint Global Change Research Institute, University of Maryland.
- > Nov. 11, 2013, *Water Culture: How Cultural Analysis Can Contribute to Sustainable Water Management*, invited seminar, Research Institute for Humanity and Nature, Kyoto, Japan
- > Oct. 8, 2013, *Water Ethics: A Values Approach to Solving the Water Crisis*, invited seminar, Research Institute for Humanity and Nature, Kyoto, Japan
- > May 31, 2013, *Lessons from the Water Ethics Network*, 5th Delft Symposium on Water Sector Capacity Development, UNESCO-IHE, Delft, Netherlands

- > May 22, 2013, *Towards a New Water Ethics*, GWSP Conference on Water in the Anthropocene, Bonn, Germany.
- > March 22, 2013, *Water Ethics as a Cultural System*, presentation at the Society for Applied Anthropology Annual Conference, Denver, CO.
- > Jan. 5, 2013, *Ethics of Agriculture and Water Management*, Invited talk, University of Nebraska.
- > Oct. 12, 2012, *Towards a New Water Ethic for Water Management*, presentation at the Precarious Alliance conference, The Ethics of Water, Delaware Valley College, PA
- > April 12, 2012, *Water Ethics in Practice: Co-managing Rivers and Values*, Invited talk, College of William and Mary, Williamsburg, VA.
- > March 28, 2012, *Contested Visions of Development and the Consultant's Dilemma*, Presentation at the Society for Applied Anthropology Annual Conference, Baltimore, MD.
- > March 21, 2012, *Water Ethics in Practice*, Invited talk, Rachel Carson Center, Munich.
- > March 15, 2012, *Water Ethics in Practice*, Presentation for the panel, *Toward an Ethical and Spiritual Approach to Water*, World Water Forum, Marseille, France
- > March 14, 2012, *Water Ethics for People and Ecosystems*, Presentation for the panel, *The Magic Ingredient: Making Water Policy Count* (Organized by WWF-Netherlands). World Water Forum, Marseille, France.
- > March 1, 2012, *Cultural Values in Agriculture and Water Management*, Presentation to project planning seminar at Research Institute for Humanity and Nature (RIHN), Kyoto.
- > Feb. 6, 2012, *Why Worry about Water Ethics?* Presentation to Working Group on Water Ethics and Spiritualities, Marseille, France.
- > Jan. 28, 2012, *Water Ethics in Practice*, Session talk with Robert Yoder, The Downstream Neighbor, Denver, CO.
- > Nov, 8, 2011, "Comparative Ethics of Rio Grande Stakeholders." Presentation at the American Water Resources Association annual conference, Albuquerque, NM.
- > Oct. 31, 2011, "Comparative Ethics of Rio Grande Stakeholders." Presentation at the 14th International Lake Conference, Austin, TX.
- > March 25, 2011, "Chhattisgarh Irrigation Development Project: Review of PIM Approach." Invited talk at World Bank New Delhi office.
- > March 24, 2011, "Applying Cultural Analysis to Water Policies: Lessons from the United States and India." Invited talk at the University of Delhi, Delhi, India.
- > Dec. 6, 2010, "Water and Environmental Ethics: A Conceptual Framework." Presentation to the conference on Global Dimensions of Change in River Basins, organized by Global Water System Project, Bonn, Germany.