

## **Keith Douglass Warner OFM**

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**Current** Faith, Ethics & Vocation Project Director  
Environmental Studies Institute  
Santa Clara University

**Education** Ph.D. Environmental Studies, UC Santa Cruz, 2004  
M.A. Theology, emphasis in Spirituality, Franciscan School of  
Theology/Graduate Theological Union, 1996  
B.A. Geography and Human Environmental Studies, San Francisco State  
University (Summa Cum Laude), 1991

## **Teaching**

### **Lecturer**

Environmental Studies Institute, Santa Clara University, 2003-present (full time since  
Fall 2004)

## **Courses**

Faith, Ethics & the Biodiversity Crisis (Sp 04, W 05 & 06)  
The Moral Vision of Cesar Chavez: Agriculture, Food & the Environment in  
Catholic Social Teaching (F 04 & 05)  
Environmental Justice Practicum: The Central Valley (F 04 & 05)  
Spirituality & Sustainability (Sp 05 & 06)  
Globalization, Food Systems and the Environment (Sp 03)  
(the first four courses are approved for 2<sup>nd</sup> and 3<sup>rd</sup> level SCU Religious Studies core  
requirements)

## **Internship**

Environmental Vocation Internship (launched F 04)

## **Faith, Ethics & Vocation Project Director**

The primary goal of this project is to integrate the distinct features of SCU's mission into Environmental Studies learning activities. These features are: promoting a faith that does justice; fostering leadership of conscience, compassion, and competence; and facilitating vocational discernment. This project was created by the College of Arts & Sciences to pilot special opportunities in the inter-disciplinary character of environmental studies, and to better fulfill the university mission. The College has designated funding for this project 2004-2007.

## **Research**

My research agenda investigates the extension of stewardship and sustainability ethics emerging at the intersection of scientific institutions and environmental policy. I use interdisciplinary social science methodologies, especially tools from Science & Technology Studies. My dissertation examined the interplay of science and policy in the extension of agroecological strategies and practices in California. At present the primary thrust of my research examines the current status and future potential of biological control of arthropod pests in California agriculture, although I am expanding this research to an international scale. This work is funded by the California Department of Food & Agriculture. As a Franciscan Friar, I am collaborating with a broader effort to retrieve the Franciscan Intellectual Tradition, and I research the emergence of stewardship and sustainability ethics in religious thought and practice

## **Support Funds**

California Department of Food and Agriculture & the University of California Center for Biological Control; Biological Control of Arthropod Pests in California Agriculture: Current Status and Future Potential; with Christy Getz (UCB), sub-contracted for \$25,000 in 2006.

Food and Agribusiness Institute, Santa Clara University; for the Environmental Vocation Internship; December 2005: \$3500.

DISCOVER Project; Mini-immersion trips for environmental vocation DISCOVERY; October 2005, \$1900.

Center for Science, Technology & Society, Santa Clara University; The Geography Of Biological Control: International Comparison Of Knowledge And Policy Institutions; February 2005: \$2300.

California Department of Food and Agriculture & the University of California Center for Biological Control; Biological Control of Arthropod Pests in California Agriculture: Current Status and Future Potential; with Christy Getz (UCB), sub-contracted for \$18,000 in 2005.

Food and Agribusiness Institute, Santa Clara University; for the Sustainable Working Landscape research project associated with the Environmental Vocation Internship; December 2004: \$5000.

Bannan Center, Santa Clara University, for the Environmental Vocation Internship; November 2004 (with Amy Shachter): \$10,000.

Dean's Office Grant, Santa Clara University, for the Environmental Vocation Internship; November 2004 (with Amy Shachter): \$20,000.

National Science Foundation, Doctoral Dissertation Improvement Grant; "Agroecology In Action: Nature, Knowledge, Networks And Risk In California Agriculture;" 2003-4 (with Margaret FitzSimmons at UCSC): \$8800.

University of California, Division of Agriculture and Natural Resources, grant to the Biologically Integrated Farming Systems workgroup; Assessing The Importance Of Grower Participation In Agricultural Partnerships; 2002-3 (with Jenny Broome at SAREP): \$22,000.

University of California Sustainable Agriculture Research and Education Program;  
Perspectives and Strategies of Alternative Food Initiatives in California; 2001-2  
(with Patricia Allen and Margaret FitzSimmons at UCSC): \$19,360.

## **Publications**

### **Books**

Agroecology in Action: Social Networks Extending Alternative Agriculture. *In press*.  
Cambridge, MA: MIT Press, in the new series, "Food, Environment & Health."  
Journey and Place: An Atlas of St. Francis. With John E. Isom. Quincy, IL: Franciscan  
Press, 2003.  
Ecology and Religion: Scientists Speak. Edited with John E. Carroll. Franciscan Press:  
Quincy IL, 1998. 362 pp.

### **Refereed journal articles**

"Stewardship Means Sustainability: The Emergence of a Catholic Environmental  
Ethic." (submitted to Journal of Religion & American Culture).  
"Agroecology as Participatory Science" (revised and re-submitted to Science,  
Technology & Human Values).  
"Quality in Place: Sustainability, Agroecological Partnerships, and the Geographic  
Branding of California Winegrapes" (revised and re-submitted to Journal of  
Rural Studies).  
"Integrated Farming Systems and Pollution Prevention Initiatives Stimulate Co-  
Learning Extension Strategies." With Christy Getz. Journal of Extension. *In press*.  
"Extending Agroecology: Grower Participation in Partnerships is Key to Social  
Learning." Regenerative Food and Agricultural Systems (formerly American  
Journal of Alternative Agriculture). *In press*.  
"Shifting Plates in The Agrifood Landscape: The Tectonics Of Alternative Food  
Initiatives In California." With Patricia Allen, Margaret FitzSimmons, and Michael  
Goodman. 2003. Journal of Rural Studies 19:1, 61-75.  
"Are Life Patents Ethical? Conflict Between Catholic Social Teaching and Agricultural  
Biotechnology's Patent Regime." Journal of Agriculture and Environmental Ethics  
14: 2001, 301-319.  
"A River Might Run Through It Again: Criteria for Consideration of Dam Removal, and  
Interim Lessons from California." With Liba Pejchar. Environmental Management  
28 (5): 2001, 561-575.  
"Flooding and Fragmentation: How Physical Features Structure Political Conflict Over  
Flood Control in California's Pajaro Valley." Association of Pacific Coast  
Geographers Yearbook 63: 2001, 97-118.  
"Pilgrims and Strangers: The Evangelical Spirituality of Itinerancy of the Early  
Franciscan Friars." Spirit and Life: A Journal of Contemporary Franciscan  
Spirituality. 2000.

### **Invited and edited book chapters, articles and bulletins (Non-refereed)**

- "Agribusiness," "Agriculture, Ethics of," and "Genetic Engineering." With Lisa H. Newton and Dustin Mulvaney. *The Encyclopedia of Business Ethics and Society*. *In press*.
- "Poverty & Environmental Justice in Franciscan Perspective." In *Franciscan Poverty Eradication*, Elizabeth Krugh, editor. With SCU students Luke Clause and Stephen Maurano. *In press*.
- "Geographies of Cultural Encounter in Early California: Proceeding with Kent Lightfoot's *Indians, Missionaries, and Merchants*." *Boletín* (the Journal of the California Mission Studies Association) Fall, 2005.
- "Taking Nature Seriously: Nature Mysticism, Franciscan Spirituality, and Environmental Advocacy." In: Ilia Delio OSF, ed., 2004. *Franciscans and Creation: What is Our Responsibility?* St. Bonaventure, NY: The Franciscan Institute.
- "Get him out of the Birdbath!" In *Franciscan Theology of the Environment: An Introductory Reader*, edited by Dawn M. Nothwehr OSF. Quincy IL: Franciscan Press, 2003. Republished from "Out of the Birdbath: Following the Patron Saint of Ecology" *The Cord*. 48:2 March 1998: 74-85.
- "Alternative Food Initiatives in California: Local Efforts Address Systemic Issues." With Patricia Allen, Margaret FitzSimmons, and Michael Goodman. 2003. Research Brief #3 for the Center for Agroecology and Sustainable Food Systems, UC Santa Cruz.
- "Environmental Issues in Modern Agriculture" and "Introduction to Sustainable Agriculture" in *Teaching Organic Farming & Gardening: Resources for Instructors*. Santa Cruz, California: UCSC Center for Agroecology and Sustainable Food Systems. 2003.
- "Questioning the Promise: Critical Reflections on Agricultural Biotechnology from the Perspective of Catholic Teaching." A monograph published by National Catholic Rural Life Commission. 2000.
- "Explanation of Maps." In *Francis of Assisi: Early Documents*" Edited by Bill Short OFM, Regis Armstrong OFM Cap., and Wayne Hellman OFM Conv., Hyde Park NY: New City Press. Published in volumes I (The Saint), II (The Founder), and III (The Prophet); 1999, 2000, and 2001.
- "Back to Eden: The Sacredness of Wilderness Landscape in Christian Thought." In *Ecology and Religion: Scientists Speak*. Edited with John E. Carroll. Franciscan Press: Quincy IL, 1998. 333-351.
- "Was St. Francis a Deep Ecologist?" In Albert LaChance and John E. Carroll, eds. *Embracing Earth: Catholic Approaches to Ecology*. Maryknoll NY: Orbis Press, 1994, 225-240.
- "Charting the Way to Topophilia: Using Maps to Promote the Wildlands Project." *Wild Earth*, Summer 1993.

### **Research maps**

- "Gazetteer and Maps" In *Francis of Assisi: Early Documents*" Edited by Bill Short OFM, Regis Armstrong OFM Cap., and Wayne Hellman OFM Conv., Hyde Park NY: New City Press. Published in volumes I (The Saint), II (The Founder), and III (The

Prophet); 1999, 2000, and 2001; (cartographic researcher and designer for 11 color and 4 black & white maps, plus gazetteer); with John E. Isom. Two maps published in J. Hoerberichts, Francis and Islam. Quincy IL: Franciscan Press, 1997. Expanded and republished in *Journey and Place: An Atlas of St. Francis*, cited above, in 2004. *Columbia River: Troubled Waters*. Portland OR: Northwest Environmental Advocates, 1993. Cartographic supervisor, principal researcher and principal writer for a four-color, two-sided 26" x 39" environmental education map covering the Columbia River Basin and the Columbia River Estuary. *Portland/Vancouver Toxic Waters*. Portland OR: Northwest Environmental Advocates, 1992. Cartographic supervisor, principal researcher and principal writer for a four-color, two-sided 26" x 39" environmental education map covering the Willamette River in the Portland Metro area.

### **Academic conference presentations & posters**

Society for the Social Studies of Science, October 22, 2005, at Pasadena, California.  
Making Biocontrol Work: Managing Trophic Levels in Agroecosystems.

Commitment to Justice in Jesuit Higher Education, October 15, 2005, at Cleveland, Ohio.  
The Faith, Ethics and Vocation Project: Catholic Visions of Environmental Justice as Transformative Education. With undergraduate Melvin Gaines.

Second International Symposium on the Biological Control of Arthropods, September 11-16, 2005, at Davos, Switzerland. A Digital Commons for Biological Control: An Open Access Cyberinfrastructure for Enhanced Research and Regulation (Poster).

Symposium on Kent Lightfoot's *Indians, Missionaries and Merchants: The Legacy of Colonial Encounters on the California Frontiers*, March 12, 2005; at the Bancroft Library at UC Berkeley. Co-sponsored by the Academy of American Franciscan History, The Bancroft Library, California Mission Studies Association, California Historical Society and Heyday Books. *Geographies of Cultural Encounter in Early California*.

Agriculture, Food And Human Values Society, June 12, 2004, Hyde Park, New York;  
*Agroecology In Action: How the Science of Alternative Agriculture Circulates Through Social Networks*.

Actus Academicus, March 6, 2004, at the Franciscan School of Theology, Berkeley.  
"Subject even to all beasts and wild animals?" Franciscan responses to the biodiversity crisis: science, society and theology.

Association Of Pacific Coast Geographers, September 2003; Portland, Oregon; *Quality In Place: The Geography Of Sustainability In California Winegrape Growing*.

Agriculture, Food And Human Values Society; June 2003; Austin, Texas; *Riding Herd On Science: How To Enroll Agricultural Scientists In Environmental Protection*.

Sixth Annual Franciscan Symposium, May 2003; Washington Theological Union;  
*Taking Nature Seriously: Nature Mysticism, Franciscan Spirituality, And Environmental Advocacy*.

Association Of American Geographers, March 2003; New Orleans; *Riding Herd On Science: How To Enroll Agricultural Scientists In Environmental Protection*.

Agriculture, Food And Human Values Society, June 2002, Chicago; Agroecology In Action: Actors, Networks, And Scientists In California's Agricultural Partnerships. Association Of American Geographers, March 2002, Los Angeles; Commodity Organizations And The New Geographies Of Pest Management In California. Association Of Pacific Coast Geographers, September 2001, Santa Barbara; A River Might Run Through It Again: Criteria For Consideration Of Dam Removal, And Interim Lessons From California.

Agriculture, Food And Human Values Society June 2001, Minneapolis; 1) The Gorilla Goes To The Farm: How EPA Staff Learned About Agriculture In Washington State; 2) Reconfiguring The Foodshed: Research Into The Motivations And Visions Of Actors Creating Alternative Food Systems.

Association of American Geographers, February 2001, New York; Flooding and Fragmentation: How Physical Features Structure Political Conflict Over Flood Control in California's Pajaro Valley.

Agriculture, Food and Human Values Society June 2000, New York: 1) Are patents on life forms ethical? Religious problems with universal patents on genetically modified crops; and 2) But HOW Will This Little Piggy Get to Market?: Retailing Sustainable Farm Products after the NOSB's Rules Announcement.

International Congress on Medieval Studies, May 1997, Kalamazoo; Brothers of the road: Itinerancy in the spirituality of Francis of Assisi.

### **Invited presentations and public testimony**

The Franciscan Intellectual Tradition. Presentation at the Assisi Symposium. Santa Clara University. November 10, 2005.

Contemporary trends in Catholic Eco-theology: Waiting for a Franciscan Perspective. Presentation to the OFM, Capuchin and Conventual Franciscan Justice, Peace and Integrity of Creation animators. Easton, PA. November 6-7, 2005.

Sustainability at SCU. Presentation to the SCU Board of Fellows. Santa Barbara, CA. September 24, 2005.

*Science, Technologie et Nôtre Vocation Ecologique*. Presentation to the Parish Sant'Esprit, Montpellier, France. September 2, 2005. In French.

Making Biocontrol Work. The Biologically Integrated Farming Systems DANR Work Group; UC Davis. May 17, 2005.

What Catholic Ethics Says About our Debt to the Future. Ethics at Noon, Santa Clara University. February 25, 2005.

Franciscan Spirituality and Sustainability: Following an Ecology of Hope. Franciscan Renewal Center; Scottsdale, Arizona. February 3-5, 2005.

Franciscan Spirituality and Sustainability; Justice, Peace and Integrity of Creation Convocation, Franciscan Province of St. Barbara; January 25, 2005; Danville, California.

Grower Participation in Agricultural Partnerships. Biologically Integrated Farming Systems DANR Work Group; UC Davis. December, 12, 2003.

Taking Nature Seriously: The Franciscan Intellectual Tradition And Care For Creation. Seminar in Franciscan Theology, Franciscan School of Theology; Berkeley, California; September, 2003.

The Three Struts of Sustainable Agriculture; California Sustainable Agriculture Working Group Membership Congress; January 2003; Asilomar, California.

Reshaping the Foodshed: Research Into The Motivations And Alternative Visions Of Actors Creating Alternative Food Systems; First California Community Food Security Summit; June 2002; Oakland, California.

Biologically Integrated Farming Systems DANR Work Group, September 2002; Davis; Assessing the Importance Of Grower Participation In Agricultural Partnerships

Ad Hoc Committee on Agricultural Policy, United States Catholic Conference, June 2001, Sacramento; Fruit of The Earth And Work Of Human Hands: Agricultural Stewardship And Sustainable Agriculture From The Perspective Of Catholic Social Teaching

National Catholic Rural Life Conference Annual Meeting, October 2000, Minneapolis; Are Patents on Life Ethical? Conflict Between Catholic Social Teaching and Life Patents

### **Professional service**

#### **Leadership**

Order of Friars Minor (Franciscan Friars of St. Barbara Province); 1991-present; Oakland, California; member in good standing.

Franciscan School of Theology (a member school of the Graduate Theological Union); Berkeley; regent, 2003-present.

California Sustainable Agriculture Working Group; Santa Cruz, California; director 2000-2003; president of the board, 2002-2003.

#### **Academic society membership**

*Agriculture, Food & Human Values Society*, 1999-present

*Association of Pacific Coast Geographers*, 2000-present

*Society for the Social Studies of Science*, 2002-present

*International Association for Society & Natural Resources*, 2004-present

*Association of American Geographers*, 2000-2003

#### **Referee work**

*Agriculture and Human Values Journal*, 2003-present

External reviewer for application for full tenure of Stephanie Kaza, University of Vermont, 2004

### **Relevant Work Experience**

Justice Education Associate; 1996-1999; St. Anthony Foundation, San Francisco. I provided teaching, research, and implementation of popular education instruction about economic justice and ecological sustainability issues. I helped coordinate

political advocacy and efforts to transform social institutions from the perspective of Catholic social teaching and Franciscan values.

Distance Learning Course Writer; 1996-1997; Institute for Contemporary Franciscan Living, St. Francis College, Loretto, Pennsylvania. I developed and supervised a distance learning course in Franciscan spirituality.

Farm and Forestry Worker; 1979-1985; Highway Missionary Co-op, Grants Pass, Oregon. I planted trees and harvested fruit seasonally in the Western states.