University of California, Berkeley
College of Natural Resources
Center for Sustainable Resource Development

program directors
Robin Marsh and David Zilberman

Beahrs Environmental Leadership Program

summer certificate course in
Sustainable Environmental Management
June 28–July 20, 2012

PROGRAM DIRECTORS
Robin Marsh and David Zilberman
The Beahrs Environmental Leadership Program (ELP) at the University of California, Berkeley provides state-of-the-art training in environmental and natural resource science, policy, and leadership to strengthen the capacities of environmental practitioners worldwide. It is based at the Center for Sustainable Resource Development within the College of Natural Resources and draws on faculty from UC Berkeley and the greater San Francisco Bay Area.

The core component of the ELP is an intensive summer certificate course in Sustainable Environmental Management. Since 2001, the ELP has graduated 420 environmental leaders from over 90 countries. Course participants continue their learning and peer support through the Berkeley ELP Alumni Network, with life-long collaborative research and educational opportunities. The website has detailed information on all aspects of the ELP, including four short videos: 'Program,' 'Participants,' 'Alumni' and 'Future.' Visit http://BeahrsELP.berkeley.edu.

To extend access to ELP training beyond Berkeley, the ELP encourages and supports its alumni to offer leadership courses and other capacity-building platforms in their own institutions and communities. For example, Indonesian ELP Alumni created the Indonesian Youth Leadership for Environmental and Governance Initiatives (IYELGI) with co-funding from UNDP and the Ford Foundation, and SEARCA in the Philippines offers ELP-inspired environmental leadership courses throughout SE Asia. The ELP collaborates with EcoAgriculture Partners, and local and regional partners, to offer courses in Leadership for EcoAgriculture and Integrated Territorial Development in Africa and Central America. The ELP fosters strong partner relationships with many development and environmental organizations including WWF, The Asia Foundation, CI, UNDP, UNEP, Model Forest Network, CATIE, EARTH, USAID and DAI.

*Established in August 2000 with seed funding from UC Berkeley alumni Carolyn and Richard Beahrs.

**Content & Structure**

The 3-week certificate course offers a series of interdisciplinary workshops on topics in environmental leadership, management and policy with a focus on innovation and collaboration. Workshops are facilitated by UC Berkeley faculty and non-academic experts from the greater San Francisco Bay Area. Training methods include lectures, small group exercises, role play simulations, debates, participant case studies, panels and presentations, and open space sharing.

The curriculum is enhanced by field trips that showcase California’s groundbreaking responses to diverse agricultural, natural resource and urban environmental challenges:

- Capay Valley in Yolo County (diversified farming and marketing systems);
- Central Coast (intensive horticulture & coastal conservation);
- Blodgett Forest Research Station in the Sierra Foothills (sustainable forest management);
- Berkeley & San Francisco Bay Area ("green" urban planning and entrepreneurship); and
- UC Berkeley Botanical Garden (remote sensing tools, habitat & water quality monitoring).

**Purpose**

The ELP at Berkeley is designed for mid-career development and environmental practitioners who are challenged to solve complex cross-sectoral environmental problems. They come from nonprofit and community-based organizations, applied research and education institutions, government, international agencies, and the business sector. ELP summer training provides participants with a unique opportunity to interact with UC Berkeley, as well as their global peers, to access new information and tools, share practical experiences, and develop collaborative leadership skills. Participants are continually challenged to meet environmental goals with solutions that also reduce poverty and social conflict.

Summer course participants:

- learn to integrate interdisciplinary knowledge and analyze trade-offs to solve global and local environmental problems;
- explore innovative policies, technologies and institutions that promote sustainable livelihoods and environments;
- strengthen skills in communication, collaborative leadership and facilitating multi-stakeholder processes; and
- experience cross-cultural and cross-sectoral learning from peers around the world.

“I am firmly convinced that participating in ELP 2011 was one of the best investments in my professional career. Back home I expect to streamline systemic thinking in my area of work which relates to sustainable food supply chains, and apply innovative and creative concepts to cross-cutting issues such as rural development, environmental management and climate change.”

— Gianluca Gondolini, Rainforest Alliance (Costa Rica), Italy

“ELP training has helped me understand how to think and act as a good leader: Changing partial into comprehensive, and domination into collaboration.”

— Intan Manikam, Asmara, Mercy Corps, Indonesia

SUSTAINABILITY DIALOGUE (WITH FRITJOF CAPRA). Explore the meaning of sustainability in a complex, ecologically constrained world. Understand the relationships between sustainability, eco-literacy and eco-design, and the systemic nature of world problems. Discover the power of social networks for achieving social and planetary change.

RESOURCES & SUSTAINABLE LIVELIHOODS. Discuss current technologies, institutions and policy approaches that jointly promote sustainable livelihoods and conserve natural resources, including collaborative multi-stakeholder platforms, ecoagriculture, REDD+ multi-use landscapes, GIS tools for community-based resource monitoring, and “green” urban planning. Workshop covers three major issues: 1. Working Landscapes and Biodiversity Conservation; 2. Climate Change Science, Mitigation & Adaptation; 3. Water Governance, Monitoring & Management.

POPULATION, POVERTY/WEALTH & THE ENVIRONMENT. Understand global and regional demographic dynamics and conceptual frameworks linking population, reproductive health, gender, poverty/wealth and the environment. Learn successful community-based approaches for integrating population issues with natural resource management and promotion of sustainable livelihoods.

LEADERSHIP FOR COLLABORATIVE CHANGE. Learn self-awareness and communication skills for effective leadership. Discuss diverse styles of leadership and becoming agents of change. How can you “market” the change you want to see? How can you facilitate communities to be more powerful? Learn the latest approaches and tools for collaboration, conflict management, and facilitation of multi-stakeholder processes.

POLICIES FOR SUSTAINABLE DEVELOPMENT. Understand the principles of environmental policy-making and trade-off analysis with respect to food, fuel and biodiversity. Learn to identify different economic instruments, including life-cycle analysis, policy options and market strategies for solving complex environmental problems such as climate change, degradation of ecosystem services, and renewable and non-renewable resource scarcity.

SUSTAINABLE FOREST MANAGEMENT. Two-day field trip to the Blodgett Research Forest to share and discuss measures of ecological, economic and socio-cultural sustainable forest management, and associated best management practices in temperate and tropical forests. Explore how social forces, conditions and distributions shape possibilities, actions and forest consequences.

Thematic Groups

To enhance peer-to-peer learning and creative problem-solving around issues of common concern, each participant is allocated to one of six thematic groups that meet throughout the course. Discussions are facilitated by ELP faculty and presentations are made the last day of the course.

The thematic groups continue as part of the Berkeley ELP Alumni Network, with separate web pages, rotating co-leaders, knowledge sharing and forums.

The thematic groups are:
- Agriculture & Ecosystem Services
- Biodiversity Conservation & Wildlife/Fisheries Management
- Forests & Society
- Climate Change & Renewable Energy
- Urbanization, Pollution & Waste Management
- Population, Health & Environment

Benefits

- UC Berkeley certificate in Sustainable Environmental Management.
- Enhanced capacity to develop and apply solutions that balance environmental, economic and social equity objectives.
- Strengthened skills for communicating ideas, managing conflict, facilitating multi-stakeholder processes and leading social change.
- Lifetime membership in the global Berkeley ELP Alumni Network, eligibility to apply for small grants, and a continuing learning relationship with the University of California.

From Chancellor Birgeneau

“Our mantra here is access and excellence. We have an institution which is fully accessible to people from whatever background, and at the same time we prize excellence in everything that we do. We also have a deep commitment to public service, and the Beahrs ELP program really exemplifies all three of these.”

— Chancellor Robert J. Birgeneau, University of California, Berkeley
Applications must be received by Monday, January 9, 2012. Online application strongly preferred.
E-mail applications to beahrseelp@berkeley.edu or FAX to (510) 643-4483.

PERSONAL INFORMATION
Check one: Mr. □ Ms. □ Mrs. □ Dr. □ Full name: ____________________________________________ male □ female □
Permanent Address ___________________________________________________________ Date of Birth ___/___/____
Phone/Mobile _______________________________________________________________ Skype __________________________________________________
Fax ______________________________ Email _______________________________________________________________________

EMPLOYMENT

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EDUCATION

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Professional Development: (Training, awards, associations, etc.): ____________________________________________________________

REFERENCE
Provide the name, address and phone number of a senior member of your organization from whom you are requesting a letter of reference. Letters should evaluate your professional work and highlight potential benefits from your participation in the course.

A copy of the signed letter must be sent by email (beahrseelp@berkeley.edu) with the signature clearly scanned or by fax.
Name: ___________________________ Title: ___________________________
Address: _________________________ Email or Fax: ___________________

PERSONAL STATEMENT
As part of your application, please answer the following questions, limiting your responses to 250 words per question (750 words total).
1. Describe your current work responsibilities. For what kinds of activities, operations and decisions are you directly responsible?
2. What are the two or three most important environmental issues or challenges you are currently addressing in your work? What skills will you need to better manage these challenges?
3. What do you hope to gain by participating in the international ELP training course?

FINANCIAL INFORMATION
The ELP at UC Berkeley has resources to offer a limited number of partial scholarships. The program is unable to offer any full scholarships. Each accepted applicant is responsible for seeking his/her own funding from government, employers, sponsors or other funding institutions to cover the course fees, visa costs, all travel expenses, and personal travel/health insurance. In addition, we ask you to bring approximately $400 for meals and exploration on your ‘free’ evenings. If funding is confirmed, please attach letter of support from the funding organization.
Are you seeking a partial scholarship from the ELP? Yes □ No □

SUBMITTING APPLICATION
All of the following are due by Monday, January 9, 2012:
1. This APPLICATION FORM filled out and signed, with your signature clearly visible. A scanned signature is acceptable.
2. Your PERSONAL STATEMENT: Answer all 3 questions (maximum 250 words per question).
3. The signed LETTER OF REFERENCE. This may arrive separately, but is due by January 9, 2012. A scanned signature is acceptable.
4. Please indicate if you are interested in any of the following post-training field trips: Parks □ Sustainable Agriculture □ Green Corridor □
5. Signature of Applicant: __________________________________________________________ Date: ___________________________
Print Name: _______________________________________________________________________
Please submit your application online (http://beahrseelp.berkeley.edu). If you are unable to do this, you may send your application and personal statement as email attachments to: beahrseelp@berkeley.edu. Receipt of your application will be acknowledged.

How did you learn about the ELP at UC Berkeley? Check all that apply.
□ Previous ELP Participant □ Work/Employer □ ELP Website □ Friend/Colleague □ E-mail □ Other
This being my first time in the US, the ELP and UC Berkeley have served as a wonderful gateway into California and the US. The content of the course was extremely enjoyable. The sessions on ‘Population, Poverty and Environment’ as well as ‘Resources and Sustainable Livelihoods’ were very revealing. I am looking forward to transferring some of this knowledge to the “Community Units” of the Protected Areas under my jurisdiction.”

— Moses Kofi Sam, Forestry Commission/Wildlife Division, Ghana

Optional Post-Training Field Trips

The San Francisco Bay Area and the State of California offer a multitude of opportunities to visit inspiring examples of sustainable environmental management. In summer 2012, the following in-depth field trips will be offered with expert guides. Minimum of five participants required. Prices include all expenses.

PARKS, PROTECTED AREAS AND WORKING LANDSCAPES. Visit Yosemite National Park and other sites where park managers are working together with farmers, ranchers, Native American tribes, tourists and rural communities to sustainably manage multi-use landscapes (5 days, $1,200).

SUSTAINABLE AGRICULTURE AND FOOD JUSTICE. Meet with sustainable farmers and ranchers to learn best practices for successful diversified farming systems, and visit the organizations and communities that lead the thriving food justice movement in the Bay Area (3 days, $700).

GREEN CORRIDOR OF THE SF BAY AREA. Visit with the city managers, entrepreneurs and scientists who drive green technology, innovation and jobs in the SF Bay Area. An urban tour includes sustainable water and waste management facilities and platinum LEED buildings (2 days, $450).

Accommodations on the UC Berkeley Campus

The Foothill Residence Hall, at the northeast corner of the UC Berkeley campus, offers simple, modern, clean dormitory rooms surrounded by trees and overlooking spectacular views of the Bay Area. Housing is single-occupancy. Bath and living areas are shared with participants of the same gender. A self-service computer center, dining facilities, laundry, and other amenities are on site. Classrooms, shops, restaurants and public transportation are nearby.

Cost

The course fee is US$8,000. This fee covers the costs of instruction, housing, most meals, course materials and field trips, certificate, and travel insurance if needed. In addition, participants are responsible for their own travel arrangements and for covering approximately US$400 in additional meals and incidentals. See the application form for more details on financial information.
### Contributing Faculty

<table>
<thead>
<tr>
<th>Name</th>
<th>Field</th>
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<tbody>
<tr>
<td>Miguel Altieri</td>
<td>Agroecology</td>
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<tr>
<td>Justin Brashares</td>
<td>Wildlife Conservation/Protected Areas</td>
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<tr>
<td>Martha Campbell</td>
<td>Population/Reproductive Health</td>
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<tr>
<td>Fritjof Capra</td>
<td>Systems Theory/Ecoliteracy</td>
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<tr>
<td>Susan Carpenter</td>
<td>Conflict Management</td>
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<tr>
<td>Louise P. Fortmann</td>
<td>Rural Sociology</td>
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<tr>
<td>Lynne Gaffikin</td>
<td>Epidemiology</td>
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<tr>
<td>J. Keith Gilless</td>
<td>Economics/Forest Management</td>
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<tr>
<td>Alain de Janvry</td>
<td>Development Economics</td>
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<tr>
<td>Claire Kremen</td>
<td>Conservation Biology/Biodiversity</td>
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<tr>
<td>Dan Kammen</td>
<td>Renewable Energy/Climate Change</td>
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<tr>
<td>Robin Marsh</td>
<td>Agricultural/Socio-Economics</td>
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<tr>
<td>Kara Nelson</td>
<td>Environmental Engineering/Water Quality</td>
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<tr>
<td>Dara O’Rourke</td>
<td>Environmental Justice</td>
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<tr>
<td>Malcolm Potts</td>
<td>Public Health/Population Studies</td>
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<tr>
<td>Matthew Potts</td>
<td>Forest Ecosystem Management</td>
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<tr>
<td>Isha Ray</td>
<td>Water/Common Property Management</td>
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<tr>
<td>Vince Resh</td>
<td>Aquatic Ecology</td>
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<tr>
<td>David Roland-Holst</td>
<td>Globalization and Food Security</td>
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<td>Jeffrey Romm</td>
<td>Forest/Environmental Policy</td>
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<tr>
<td>Ananya Roy</td>
<td>Regional Planning/Global Poverty</td>
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<tr>
<td>Mathis Wackernagel</td>
<td>Sustainability Science/Ecological Footprint</td>
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<tr>
<td>David Zilberman</td>
<td>Agricultural/Env Economics</td>
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### Beahrs ELP Advisory Board

- **Tony Barclay**
  - Adjunct Professor, Georgetown and Columbia University
  - Former CEO, Development Alternatives Inc.
- **Richard Beahrs**
  - Senior Advisor, Revolution Foods
- **Susan Carpenter**
  - Susan Carpenter and Associates
- **Claire Kremen**
  - University of California, Berkeley
- **Robin Marsh**
  - University of California, Berkeley
- **Vince Resh**
  - University of California, Berkeley
- **David Zilberman**
  - University of California, Berkeley

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**Beahrs ELP Alumni Networking**

**Contact**

Beahrs Environmental Leadership Program  
4 Giannini Hall, University of California  
Berkeley, CA 94720-3100  
Tel: (510) 643-4200  
Fax: (510) 643-4483  
beahrselp@berkeley.edu  

**http://beahrselp.berkeley.edu**

**ELP Alumni Networking**

- **July 2011** - Participating in AfricaSan 3 Conference on Sanitation & Hygiene in Rwanda.  
  James Rubakisibo (ELP 2003) and Archana Patkar (ELP 2003)
- **September 2011** - Working together on Sustainable Pineapple Platform in Costa Rica.  
  Ramon Leon (ELP 2009), Robin Marsh (ELP Co-Director), Gianluca Gondolini (ELP 2011)

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**“The ELP provided me the opportunity to live and learn in a truly multicultural environment which was immensely beneficial and a first-time experience.”**  
— Ngamindra Raj Dahal, Ministry of Environment, Nepal