

# Environmental Studies

UNIVERSITY OF CALIFORNIA, SANTA BARBARA



## A MESSAGE FROM THE CHAIR



Environmental Studies turns 40 this year - Happy Birthday!

We were born in a time of tumult and change—a time when pollution threatened the health of millions and the very viability of the places we lived. Air was dangerous to breath and rivers caught fire.

We turn 40 now in a new time of tumult and change.

People recognize that the future will be dominated by changing climate and energy systems—phenomena that will transform our economy and society. This creates great challenges, but also great opportunities—those who develop the technologies and tools for the future will thrive, even in the face of change.

Leading this transformation will be the job of our students, students who recognize and welcome that challenge. They are flocking to ES; we now have over 675 majors and are still growing. That is exciting and gratifying. It is also terrifying, coming during the

University's most extreme financial crisis since the Great Depression. How do we provide an education to match the ability and commitment of our students? How do we even offer enough space in our classes to fit them all in?

In recognition of ES's central role in the University and in producing future leaders, UCSB is launching a major fundraising drive for ES. This will transform the Program, taking us to the next level of excellence, ensuring the best interdisciplinary environmental education in the world, with enhanced opportunities for students to develop critical real-world skills, including more and better field trips, internships, and hands-on learning.

We ask for your generous support in this fund-raising drive. We need it as never before, and the opportunity to transform the Environmental Studies Program has never been greater.

- Josh Schimel, Chair  
Environmental Studies Program

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### ENVIRONMENTAL STUDIES PROGRAM

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Special thanks to ES alumnus, Heather Berry (class of '09), who edited this issue!

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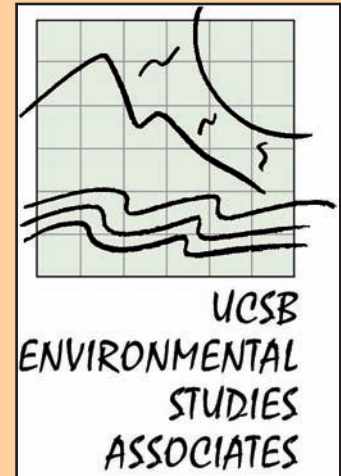
## IMPORTANT NEWS FROM THE ENVIRONMENTAL STUDIES ASSOCIATES!

*The following is an open letter from the ESA Board of Directors to all ESA members and ES Program Alumni.* Dated: November 9th, 2009

Dear Environmental Studies Associate (ESA) Member:

We, the Board of the Environmental Studies Associates, would like to share with you the latest happenings with ESA. The big news is ESA has moved into the UCSB Environmental Studies Program (ES Program). As many of you know, the University system is undergoing deep budget cuts. One outcome of the cuts is that the Community Relations Office at UCSB no longer can offer administrative support for groups such as ESA.

ESA co-presidents Jennifer Scholl and Andrew Bermond spent many hours exploring alternatives on the best options for ESA. At the June 2009 ESA Board meeting, the options were reviewed and it was ultimately agreed that the integration of ESA directly into the ES Program was the most reasonable course of action. The ES Program, under the direction of ES Program Chair, Josh Schimel, has welcomed ESA members as advisors in order to continue our support of the Program. We're looking forward to this new and renewed relationship with the ES Program.



Here's what these changes mean:

- All of ESA's financial assets have been transferred to the ES Program.
- The Board approved dissolution of ESA, in conformance with our by-laws.
- We are working with Josh Schimel and others in the ES Program to develop a memorandum of understanding as to the role former ESA members will be playing in the ES Program and how ESA's assets will be used. We anticipate a much closer relationship with the Program and more opportunities to support the Program and its majors.
- The Tom Rogers Scholarship will continue to exist as an endowment under the UC Regents, former ESA Board members will continue to serve on the selection committee, and contributions may always be made to the Fund (go to [http://www.es.ucsb.edu/general\\_info/giving.php](http://www.es.ucsb.edu/general_info/giving.php)).
- No more ESA dues. All monies received for dues, including 5-year memberships, have been transferred to ES and will be kept in a separate account for use in accordance with the original intent.
- No more separate ESA newsletter, but the ESA will have a strong presence in the ES Program newsletter.
- We will be working with the ES Program on developing a speakers bureau as we won't be sponsoring any more community lectures.
- We're still participating in the environmental careers class, ES student mixers and general alumni networking.
- We are working with ES faculty and staff on the 40th reunion in Spring 2010. Much more to come in the near future, so check out the ES Program's 40th Celebration website regularly at: <http://www.es.ucsb.edu/40>

We welcome the (former!) ESA membership to participate in building our new relationship with the ES Program. We will be holding regular meetings for interested alumni and friends to get together and discuss our new path and your contributions are welcome. Please let us know if you are interested in remaining involved as part of this new advisory group by emailing your name, contact information, and ideas to [alisonjordan@cox.net](mailto:alisonjordan@cox.net).

Thank you for your continued support of the ES Program.

Sincerely,  
ESA Board

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## YOU'RE INVITED!

### TO THE 40TH ANNIVERSARY CELEBRATION OF THE ES PROGRAM

In recognition of this milestone the Environmental Studies Program faculty & staff, along with our alumni, the UCSB Alumni Association, and the local community are hosting a **year-long celebration**. A number of campus-wide events, special lectures, and an Alumni Reunion are in the works for this special occasion. Events are being added even as you read this text, so please check the ES website for the most up-to-date calendar and information.



### SAVE THE DATE: April 23-25, 2010

As part of the ES Program's 40th Anniversary, we will be holding our main celebration and **Alumni Reunion** in conjunction with UCSB's *All Gauchito Reunion* on the weekend of April 23-25. The weekend will include a hosted reception on Friday afternoon on the Bren Terrace, followed Saturday with an all day program of lectures, panels, student presentations, and catered dinner, featuring our keynote speaker Deb Callahan, ES Alum and president of the Heinz Center. Sunday will be a free day for alumni, family and friends to do what they please. A number of optional activities will be made available, such as campus tours, hikes out at UCSB's Coal Oil Point Reserve, whale watching, and much more! Questions about the 40th can be emailed to: [esprogram@es.ucsb.edu](mailto:esprogram@es.ucsb.edu) or call 805-893-2968.

**Please visit the ES 40th webpage for complete**, up-to-date information about scheduled lectures and events and the Celebration and Alumni Reunion (including a reservation page) online at: <http://www.es.ucsb.edu/40>



### COMPLETE THE 2010 ALUMNI SURVEY TODAY!

For many alumni, this will be the first opportunity to complete a survey, while for others, this may be your fourth, fifth or even sixth. Regardless of how many you have done in the past, we cannot stress enough the importance ES places on the results we gather from alumni.

The feedback is useful when we conduct annual reviews and update the curriculum. The survey is also the best tool we have to educate students about the vast number and diverse types of career opportunities that await them upon graduation. Your results prove the path to a career is not set in stone for our alumni. Rather, there are a wide range of paths available to ES graduates to best combine their passion for the environment with the challenge of earning a living they can be proud of.

Additionally, by completing the "Current Employment/Job Profile" section you will be contributing to an exciting new career resource we hope to make available to ES students at UCSB. The goal is to create a unique online network/resource uniting the interests of alumni and students around the theme of environmental jobs and careers. Alumni will have the option to opt-into the network and discuss career advice, job trends, and even internship or job opportunities with ES majors. More on this project will be forthcoming.

**This survey will only be open through February 28th, 2010**, so don't delay, fill yours out today! Take a few minutes to login and fill out our 2010 Alumni survey available online at: <http://www.es.ucsb.edu/40/survey>. Questions or problems with the survey can be sent to Eric Zimmerman via email at [Zimmerman@es.ucsb.edu](mailto:Zimmerman@es.ucsb.edu) or call 805-893-3185.



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## FOCUSING ON ES FACULTY & STAFF

### BRINGING CRITICAL ENVIRONMENTAL ISSUES STRAIGHT TO UCSB

Professors **Bob Wilkinson** and **Bill Freudenburg** are taking the ES 40<sup>th</sup> anniversary to the next level with a grant for a series of special lectures, symposia, and educational courses throughout the 2009-2010 school year. The series is titled Critical Issues in America and aims to examine the history, current issues, and future of environmental policies, activism, science, and education. The focus of the series is “Looking back, Looking Ahead: 21<sup>st</sup> Century Environmental Challenges in a Global Context.”

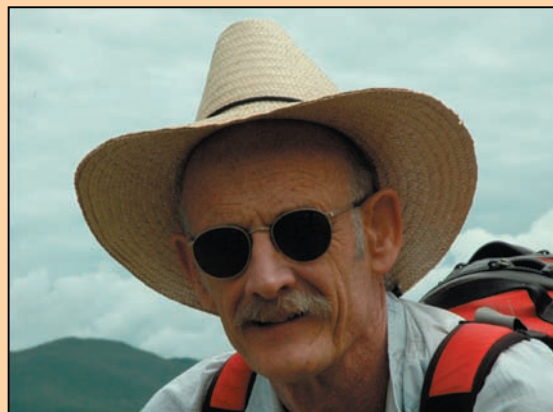
Events and special coursework offered for the Critical Issues series will occur throughout the winter and spring quarters and will include appearances by experts on the most pressing environmental issues. Events will be publicized in conjunction with the ES 40<sup>th</sup> celebration, so be sure to check back frequently at the ES 40th website:

<http://www.es.ucsb.edu/40/> .

### FIRST CAMPUS SUSTAINABILITY CHAMPION OUTLINES PLAN OF ACTION

by ES Professor David Cleveland

I am very honored to be chosen as the inaugural sustainability champion for UCSB. The purpose of the award is to build on the recipient's area of research “to educate the campus and community of the significance of that work, and to explore its application to advancing sustainability at levels spanning from the campus to the planet”. I see an important part of this as helping to increase the breadth and depth of the conversation on campus about sustainability per se—How can we move beyond the oxymoron of “sustainable growth”, of increasing the *efficiency* of global greenhouse gas emissions, to *reversing* the human destruction of ecosystems? How can we reverse the growing inequities in the world where one-sixth of the people go hungry while the wealthiest divert more grain and soy to animal production which fuels global warming? What do we want the future of our campus, community and world to be? How can we talk about this in a productive way? How can we do things differently today to make a future we want happen—both locally and globally? This involves analyzing different definitions of “sustainable” and the data, values and visions they are based on.



My focus on sustainability is food and agriculture, and solving the food crisis locally and globally. I am collaborating with Residential Dining Services, with the Environmental Affairs Board, and with graduate student Megan Carney's Real Food Challenge project, to encourage discussion of the UCSB food system, including where campus food comes from and how it is produced and transported, and how we can work to increase environmental and social sustainability.

At the community level, I am working during 2009-10 with ten undergraduate students from my World Agriculture class on a project to analyze the Santa Barbara County agricultural and food system, and to encourage discussion of alternative scenarios for a more sustainable future. We are looking at everything from the effect of converting farmland to houses, to the effect of migrant farm labor in Santa Barbara on food and agriculture in southern Mexico; from how the County food system contributes to climate change, to how we can grow more food we can eat locally.

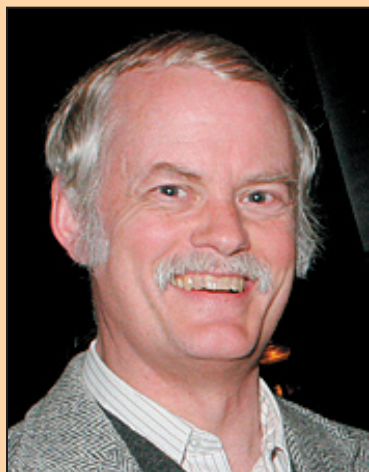
In addition to these local projects, I am involved in research the scientific basis of the policy promoting genetically engineered crops for the Third World. I am also working with Daniela Soleri (Geography) and others in collaboration with Chinese and Mexican scientists, analyzing the use of biological diversity for more sustainable small-scale production of rice in Yunnan, China and maize in Oaxaca, Mexico.

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## NEW BOOK FOCUSES ON WHEN NATURAL DISASTERS ARE MAN-MADE



**Professor (Bill) Freudenburg** recently published a new book, *Catastrophe in the Making: The Engineering of Katrina and the Disasters of Tomorrow*, which puts mankind in the hot-seat of blame for natural disasters. The book uses Hurricane Katrina as a case study to demonstrate how unchecked economic development throughout the United States is setting the stage for more disasters like Katrina. In the case of New Orleans, the book outlines how the construction of an expensive and ultimately obsolete canal project doomed the city to watery catastrophe by destroying the wetlands that had long protected the heart of the city.

*Catastrophe in the Making* goes beyond New Orleans and Hurricane Katrina to critique a mentality that exists throughout the country in favor of endless development in the name of an elusive economic gain. The book ultimately serves as a warning against developing land without considering the service functions provided by the natural systems that are disturbed in the process.

Professor Freudenburg co-authored the book with three professors from across the country: Robert B Gramling, Shirley Laska, and Kai Erikson. A summary of the book can be found online:

[http://www.islandpress.com/bookstore/details.php?prod\\_id=1921](http://www.islandpress.com/bookstore/details.php?prod_id=1921)

## A NEW DEAN APPOINTED FOR THE BREN GRADUATE SCHOOL

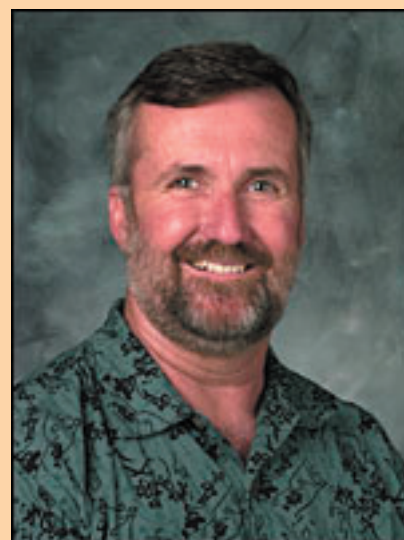
**Steven Gaines**, Director of the Marine Science Institute, faculty in Ecology, Evolution and Marine Biology, and affiliated professor in Environmental Studies has recently been appointed the 4th dean of the Bren School of Environmental Science and Management.

“There are many environmental schools around the country that identify problems,” said Gaines. “The Bren school is a leader in finding solutions. I’m excited to be a part of this innovative program. I’m particularly excited about the novel master’s program with its focus on collaborative problem solving. Solving our environmental problems will require creative thinkers who can work with people from other complementary disciplines, and the Bren School is a leader in meeting this challenge.”

Gaines has served as a faculty member in the Department of Ecology, Evolution, and Marine Biology since 1994. From 2002 to 2005, he served as acting vice chancellor for research, and in 2007 he was named acting dean of the Division of Mathematical, Life and Physical Sciences, a post he held until October 2008.

Chancellor Henry T. Yang, who called Gaines as an exemplary leader, said, “We are excited about the future of our Bren School and look forward to its continued success under Professor Gaines’s leadership.”

Gaines’s research focuses on marine ecology and conservation, sustainable fisheries, the design of marine reserves, and the impact of climate change on ocean ecosystems. Under his leadership, ground will soon be broken for UCSB’s new Outreach Center for Teaching Ocean Science (OCTOS), which will house state-of-the-art interactive exhibits to help connect students, educators, community groups, and the public with innovative educational programs based on the latest ocean science research. More info about bren available at: <http://www.esm.ucsb.edu>



(Above excerpted from an article by Gail Gallessich in the November publication of UCSB’s 93106)

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## ES WELCOMES TWO NEW FACULTY MEMBERS

The Environmental Studies Program is pleased to welcome its two newest faculty members, Simone Pulver and Peter Alagona. Both Peter and Simone were appointed in 2008, but took a year on leave, starting their time at UCSB in the fall quarter of 2009. To find out more about the new additions to our faculty, check out the Environmental Studies faculty webpage: <http://www.es.ucsb.edu/people/faculty.php>

### Simone Pulver

Assistant Professor Simone Pulver received her doctorate in Sociology from the University of California, Berkeley and also holds an MA in Energy and Resources from UC Berkeley, as well as a BA in Physics from Princeton University. Pulver's principal areas of specialization are global environmental politics, organizational theory, and the sociology of development. Her research focuses on the roles of non-state actors, i.e. firms, non-governmental organizations and scientific experts, in climate change politics at international and national levels. A current research project investigates clean energy investments by developing-country firms in India and Brazil under the Kyoto Protocol's Clean Development Mechanism. Pulver will present results of this research at the United Nations climate change conference in Copenhagen this month. She is also launching a new project on climate policy networks in Mexico. In the past, she has studied the roles played by transnational oil corporations and transnational environmental advocacy NGOs in the UN climate change negotiations.



### Peter Alagona

Peter Alagona is an environmental historian and historian of science with a joint appointment in the Environmental Studies Program and Department of History. His research focuses on the histories of land use, natural resource management, environmental politics, and ecological science in the North American West and beyond. His current major project is a book, under advance contract with the University of California Press, entitled *After the Grizzly: Endangered Species, Critical Habitat, and the Politics of Place in California*. Peter received his doctorate from UCLA in 2006. He worked as an Environmental Fellow at Harvard University from 2006 to 2008, and as a Visiting Assistant Professor at Stanford University from 2008 to 2009. Peter arrived at UCLA in September, and he will be teaching his first courses in the winter of 2010.

## A FOND FAREWELL TO PROFESSORS ANITA GUERRINI & MIKE OSBORNE!

The Environmental Studies Program would like to wish the best of luck to two of our former faculty in their new positions:

**Anita Guerrini**, historian of the life sciences and medicine, with strong interests in environmental history and the history of animals, is now the Horning professor in the Humanities and Professor of History at Oregon State University

**Michael Osborne**, who specializes in the history of modern biology, medicine, and environmental issues with a special interest in evolution, public health, regenerative medicine, and alpine environments, is also at Oregon State University.



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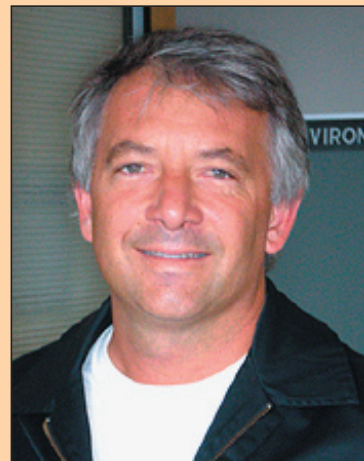


## ES LECTURER INVOLVES STUDENTS IN LOCAL CLIMATE RESEARCH, ACCEPTS APPOINTMENT IN NEW ZEALAND

Last year, ES lecturer **Dr. Michael McGinnis** received support from the UCSB Associated Students Coastal Fund to hire 5 student interns - the team produced a report that emphasizes the threats posed to coastal and marine biodiversity from climate change in Santa Barbara County. The report also describes a number of policy responses and tools that are needed for the County to adapt to these pressures and led to the introduction of a biodiversity protection element in the County's Climate Action Strategy, as required by the State. The report, titled *Developing Adaptive Policy to climate Disturbance in Santa Barbara County*, was published through UCSB's Ocean and Coastal Policy Center.

With a second grant from the Coastal Fund for this year, Dr. McGinnis will work with 8 student interns to further the recommendations made in last year's report. Each intern will produce a policy brief on a specific biodiversity issue for the Gaviota Coast. The Gaviota Coast planning process began in November, and represents the first County process to update their General Plan and Local Coastal Plan since 1982.

Dr. McGinnis recently accepted an offer as a senior professor and researcher at the University of Victoria at Wellington in New Zealand, and will start the position in late March, after the Winter 2010 quarter. He will be a professor at the College of Government and a senior researcher at the Institute of Public Policy. He plans to focus on climate change and islands.



## ES ADVISOR RECEIVES UCSB STUDENT SERVICE AWARD



**Eric Zimmerman**, the ES Program's Academic Advisor and Internship Coordinator, received UCSB's 2009 *Margaret T. Getman Service to Students Award*, the highest award given on campus to faculty and staff in recognition of their extraordinary commitment to the overall growth and development of students and to the quality of student life! This award recognizes Eric's contributions to the development of ES Program and its students over the past decade.

The citation outlined the important role that Eric has played in the lives of ES students: "For most of these students, he is the first person in ES they meet, often when they are visiting campuses, and he may be the last person they deal with in going over their graduation checklist."

Some of Eric's accomplishments as ES advisor include helping develop a curriculum that is more appropriate and specific to ES B.A. students, helping students who left UCSB complete their degrees, sometimes after 30 years, and creating and leading the enormously successful *Environmental Careers* class (ENV S 190). This unique course teaches hundreds of students a year "what environmental careers are, how to choose one, and what UCSB resources you may use to better prepare for life after graduation." It is designed to help students think about their career interests and how to achieve their desires.

A campus wide reception was held in June to honor the nominees and awardees.

*Congratulations Eric!*

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## ES AND UCSB NEWS AND EVENTS!

### INCREASING STUDENT NUMBERS = EXCITING TIMES IN ES!

Upon receiving the Nobel Peace Prize in 2007, former Vice-President Al Gore said, "The climate crisis is not a political issue, it is a moral and spiritual challenge to all of humanity.... It is also our greatest opportunity to lift global consciousness to a higher level." If the recent and dramatic increase in the number of declared Environmental Studies majors is any indication; undergraduates at UCSB have heard his call and are stepping up to meet the challenge.

In just four years, the number of declared Environmental Studies and Hydrologic Sciences majors has more than **doubled from 278 to just under 700** students (see graph below), a phenomenal growth rate not seen in the ES Program since the early 1990's. This swell of dedicated students working to do their part to help "save the world" has everyone affiliated with the ES Program excited and proud.

However, this enthusiasm is tempered by the reality that the UC system is currently experiencing its worst fiscal crisis in history. The irony is that ES's student population is growing by leaps and bounds while the program is simultaneously being hit with its share of cuts to address the campus budget deficit (\$45 million total this year alone). Needless to say, this is a trying time for ES and UCSB.

But, as proven by our longevity (40 years and counting), the Program has successfully weathered difficult times before and will do so again. With the continued help, support, and dedication of our now 4,550 alumni and community supporters, ES will be able to maintain its outstanding program of environmental education for decades to come!

### THE NUMBERS

#### Class of 2009:

Total Graduates = 133

B.A. = 104

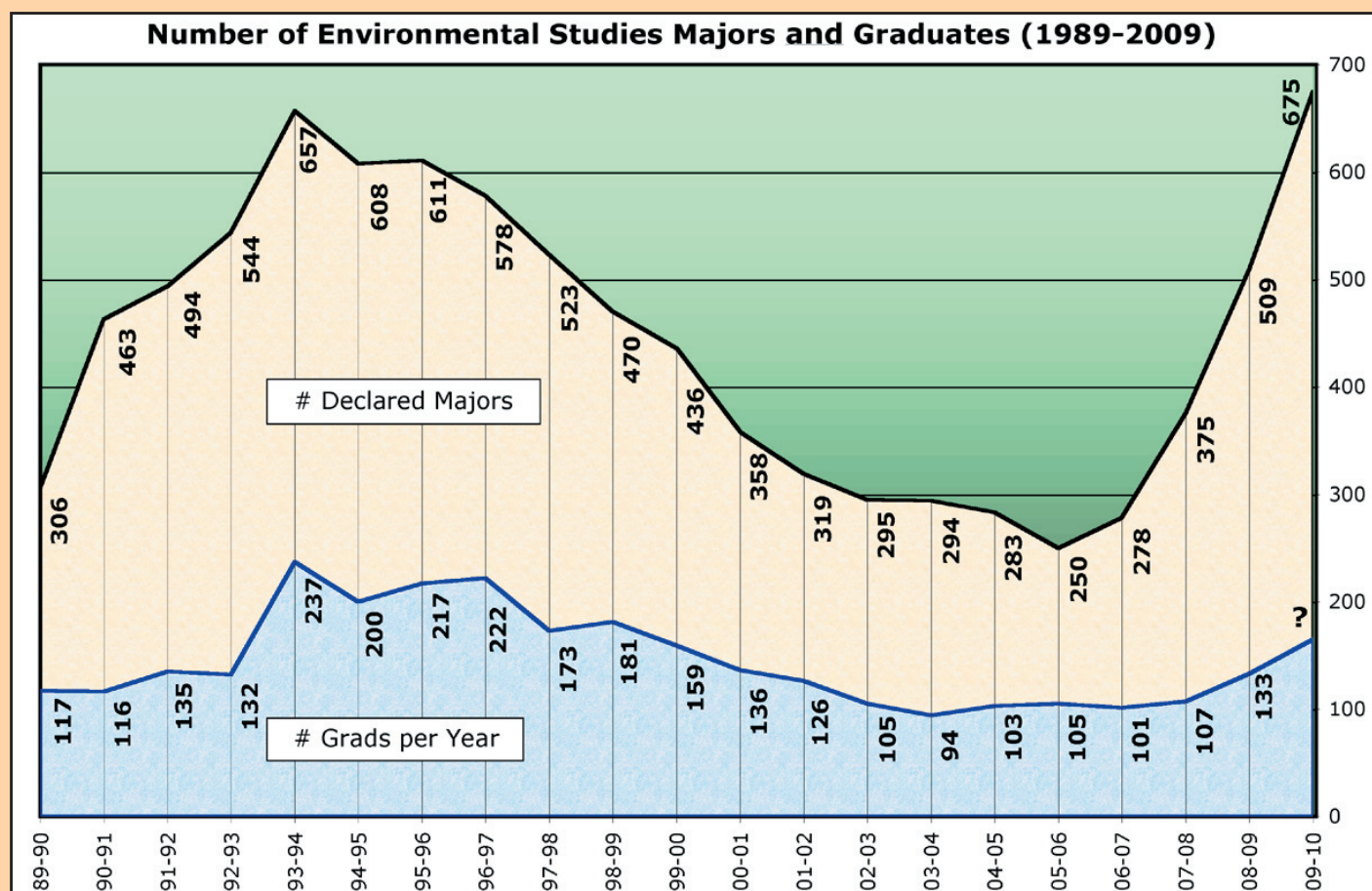
B.S. = 25

Hydro = 4

Dbl. Majors = 27

#### Total ES Alumni:

As of Spring '09 = 4,558





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## STUDENTS AND FACULTY TO ATTEND GLOBAL CLIMATE CHANGE CONFERENCE

This December, a group of 24 UCSB students will travel to Copenhagen, Denmark to participate in the fifteenth Conference of Parties (COP 15) under the United Nations Framework Convention on Climate Change (UNFCCC). The conference will be held at the Bella Center in Copenhagen from December 7th to December 18th. A number of ES and Bren faculty members helped prepare and guide the group of students for this special event, including ES Professors Bob Wilkinson and Simone Pulver, MSI Project Scientist Gail Osherenko, and Bren Professor Oran Young.



The student delegation was selected through the Associated Students Environmental Affairs Board and includes students in majors across campus. A number of Environmental Studies majors are part of the delegation. Upon return from the conference, the students will host events to increase awareness of climate change throughout the UCSB and surrounding communities. Also, the students plan to maintain a blog while abroad updating the wider UCSB community about the daily proceedings of the conference. You can find the blog online at: <http://eabatcop.blogspot.com/>. You may also be interested in checking out the official U.N. Conference site at: <http://en.cop15.dk>

## UCSB RANKED AS SECOND GREENEST UNIVERSITY IN THE U.S.

To further prove that UC Santa Barbara is a real champion for the environment, the school was recently ranked second in a list of the top 10 greenest universities in the United States, bested only by University of Washington. The rating was completed by Greenopia, a provider of 'green news' that aims to help people to "eat, shop, and live green" according to their website. UCSB snagged the high ranking in an assessment that looked at the environmental impact of the 100 largest universities in the United States. Several factors were taken into account, including green building design, renewable energy, green food options, waste programs, alternative fuel vehicles, water conservation, and environmental reporting. Santa Barbara was recognized especially for recycling, zero waste goals, greywater use, and LEED certified buildings. For more information, see <http://green.yahoo.com/blog/greenpicks/252/top-10-greenest-universities.html>

## ES PROGRAM 40TH ANNIVERSARY LOGO AND T-SHIRTS

To the right is the ES Program's 40th Anniversary logo, selected from a number of entries submitted by ES alumni and friends. Designed by Steven Rodger (class of '05), this logo will be featured on a special 40th Anniversary edition ES Program T-shirt and available for purchase via the ES website by February, 2010!



## ES PROGRAM EVENTS CALENDAR ONLINE

In an effort to better advertise as well as consolidate ES Program Events, we have set up a Google Calendar that shows all ES Program sponsored, co-sponsored, or approved events, lectures, films, and 40th Anniversary Celebration activities.

The calendar is located on the ES Program's 40th website at <http://www.es.ucsb.edu/40/calendar>, or you may directly bookmark the Google calendar on your web browser at

[http://www.google.com/calendar/embed?src=8kk0luokoosfmdmheof8h2o0o0%40group.calendar.google.com&ctz=America/Los\\_Angeles](http://www.google.com/calendar/embed?src=8kk0luokoosfmdmheof8h2o0o0%40group.calendar.google.com&ctz=America/Los_Angeles)

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## BREN HALL GOES DOUBLE LEED PLATINUM

Bren Hall, home of the Environmental Studies Program and the Bren School of Environmental Science and Management, recently became the first building in the United States to receive a “double platinum” LEED rating. The acronym ‘LEED’ stands for Leadership in Energy and Environmental Design and platinum is the highest possible rating. The system is instituted by the US Green Building Council (USGBC) and is meant to recognize buildings that excel in sustainable design and operation.

Bren received platinum certifications for both LEED for New Construction and LEED for Existing Buildings – Operations & Maintenance. The first platinum rating was bestowed upon Bren Hall seven years ago when it opened, making it the first laboratory facility to achieve a platinum rating. Platinum ratings for new buildings are based on factors such as building location, materials, and waste management. A platinum rating for an existing building is based upon factors that demonstrate a continued commitment to the sustainability of the building. The most recent platinum rating shows that UCSB is committed to being on the leading edge of sustainable building practices.

For more information visit:

<http://www.ia.ucsb.edu/pa/display.aspx?pkey=2069>



## A STORY FROM ABROAD: ES STUDENT EXPERIENCES SOUTH AFRICA

A prime example of the educational opportunities available through the Environmental Studies Program is third year student Christina Tabacco, currently studying abroad in Cape Town, South Africa. She detailed her exciting experiences in a recent submission to the Daily Nexus’s opinion section. In the article she described a number of cultural and natural experiences that she would not have experienced by staying at UCSB, including breathtaking hikes, shark-diving, volunteering with local children, and witnessing third-world poverty adjacent to first-world luxury. She described how her experiences have far exceeded her expectations and encouraged other students to do the research and take the opportunity to live and study abroad.

Every year, ES students like Christina take the time to supplement their normal class routine with experiences such as study abroad, internships, and field studies. The ES program encourages students in such adventures, explaining why ES



is one of the majors that sends the most people abroad. This year, ES sent 40 students to 17 different countries including Brazil, Ghana, Hong Kong, New Zealand, Chili, Japan, Canada, South Africa, Denmark, Germany, and the United Kingdom. To find out more about study abroad opportunities for majors in Environmental Studies, you can visit the UC Education Abroad Program website (<http://www.eap.ucsb.edu/>) or stop by the ES office to pick up materials about studies abroad for Environmental Studies majors. The ES website also has links to several exciting opportunities beyond normal classes ([http://www.es.ucsb.edu/student\\_info/](http://www.es.ucsb.edu/student_info/)). Christina’s full article can be viewed on the Daily Nexus website at <http://www.dailynexus.com/article.php?a=19410>.

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## 2009 OUTSTANDING ES ALUMNUS AND COMMUNITY SERVICE RECIPIENTS

The **2009 Outstanding ES Alumnus Award** was presented this past June to **Susan Anderson** ('78), Director, City of Portland Bureau of Planning and Sustainability. Portland became the first city in the U.S. to adopt a local global warming plan. Susan has worked with more than 30 communities to promote resource efficiency, the use of renewable resources and sustainable practices in commercial facilities, housing, transportation, land use planning and economic development. She is a frequent speaker at national and international symposiums on sustainable development and business/government partnerships.



**Hillary Hauser**, Executive Director and Co-Founder of Heal the Ocean, received the **2009 ES Outstanding Community Service Award**. She has been writing about the seas for over 40 years, and was honored for her dedicated work in activism, education and outreach on behalf of our local ocean and its inhabitants.

## ALUMNI UPDATES AND RECOLLECTIONS

**Dennis G. Dye**, Ph.D. ('82) joined the U.S. Geological Survey (USGS) in October, 2008 as a Research Geographer with the Southwest Geographic Science Center in Flagstaff, Arizona. Since 2000, he had been Senior Research Scientist and Group Leader with the Ecosystem Change Research Program of the JAMSTEC Frontier Research Center for Global Change (FRCGC) in Yokohama, Japan.

**Dan Saltsburg** ('98) After completing a report on water quality for English, Saltsburg immediately changed his major to Environmental Studies. He recalls the scenario vividly: "I became discouraged with the environmental degradation caused by mankind and sat down with the Dean to discuss my predicament. He told me you can't take the entire world of environmental problems on your shoulders- you just have to choose one thing to focus on? So I chose water." In 1993, he founded a company called Eco Home Products, selling water filtration equipment along with organic and sustainable lifestyle products. In 1999, Dan changed the name of the company to Big Brand Water Filter.

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# Environmental Studies

UNIVERSITY OF CALIFORNIA, SANTA BARBARA



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