
CCPO

Center for Coastal Physical Oceanography

20th Anniversary Celebration

April 26, 2012

*Town Point Club
Norfolk, VA*



*Celebrating 20 years of research on the
physical oceanography of the coastal ocean.*

Welcome

CCPO 20th Anniversary Celebration

~ Reception ~

6:00 p.m. - 7:00 p.m.

~ Welcome ~

John Klinck, Director, CCPO

~ Dinner ~

7:00 p.m.

~ Remarks ~

Larry Atkinson, Founding Director, CCPO

*Paul Clancy, Columnist, The Virginian-Pilot
and author of Ironclad - The Epic Battle, Calamitous Loss
and Historic Recovery of the USS Monitor*

*Denny Kirwan, Jr., Professor, University of Delaware
and former CCPO faculty member*

~ Comments and Closing ~

John Klinck, Director, CCPO

Current CCPO Faculty

Larry Atkinson
Tal Ezer
Tom Gatski
Chet Grosch
Eileen Hofmann
John Klinck
Malcolm Scully
Bob Tuleya (Adjunct)

Current PostDocs

Guillaume Martinat
Andrea Piñones
Pierre St-Laurent

Former PostDocs

Jay Austin
Tosca Ballerini
Marjy Friedrichs
Chunyan Li
Ricardo Locarini
Andres Tejada-Martinez
Jerry Miller
Michael Ott
Dana Savidge
Judith Wells
Glen Wheless

Former CCPO Faculty

Lou Codispoti
Glenn Cota
Gabe Csanady
Marjy Friedrichs
Ann Gargett
Denny Kirwan, Jr.
John Kroll
Tom Royer
Arnoldo Valle-Levinson
Brian Ward

Current Staff

Michael Dinniman
Julie Morgan
Stephanie Paul
Darren Pifer
Teresa Updyke

Graduates

Ph.D. Graduates

JOSEF LUIS PELEGRÍ, 1992

“DIAPYCNAL MIXING AND MASS TRANSFER IN WESTERN BOUNDARY CURRENTS,”
Advisor: G.T. Csanady.

Dr. Pelegrí is currently with the departament d'Oceanografia Física, Institut de Ciències del Mar, Barcelona, Spain.

ANDRAS KAZMER KAPOLNAI, 1993

“HEAT STORAGE AND TRANSPORT PROCESSES IN THE TROPICAL ATLANTIC OCEAN,”
Advisor: G.T. Csanady.

After CCPO, Dr. Kapolnai went to UNC. He is currently in Hungary working as a Strategy and Business Development Director at Antenna Hungaria Zrt.

BRUCE LIPPHARDT, 1993

“DYNAMICS OF DIPOLES IN THE MIDDLE ATLANTIC BIGHT”
Advisor: A.D. Kirwan.

Dr. Lipphardt is currently an Assistant Research Professor of Physical Ocean Science and Engineering, University of Delaware.

JOHN MOISAN, 1993

“MODELING NUTRIENT AND PLANKTON PROCESSES IN THE CALIFORNIA TRANSITION ZONE,”
Advisor: E.E. Hofmann.

Dr. Moisan is currently at NASA/GSFC Wallops Flight Facility.

JULIE MCCLEAN, 1993

“THE DESCRIPTION AND DYNAMICS OF 50-DAY OSCILLATION IN THE WESTERN TROPICAL REGION OF THE CME MODEL,”
Advisor: J.M. Klinck.

CAITLIN P. MULLEN, 1994

“FLOW KINEMATICS AND DYNAMICS OF THE GULF STREAM FROM COMPOSITE IMAGERY,”
Advisor: A.D. Kirwan.

Dr. Mullen is a member of the research staff, Arete Associates, Crystal City, VA.

SUNNY YU WU, 1994

“ON THE LOW-FREQUENCY CURRENT AND TEMPERATURE FLUCTUATIONS ALONG THE SHELF BREAK IN THE SOUTH ATLANTIC BIGHT,”
Advisor: L.P. Atkinson.

PETER BECKER, 1995

“THE EFFECT OF ARCTIC RIVER HYDROLOGICAL CYCLES,”
Advisor: L.P. Atkinson.

After CCPO, Dr. Becker took a postdoctoral research associateship at Battelle Pacific Northwest Laboratory, Marine Science Laboratory. He is now retired.

YVETTE SPITZ, 1995

“A FEASIBILITY STUDY OF DYNAMICAL ASSIMILATION OF TIDE GAUGE DATA IN CHESAPEAKE BAY,”
Advisor: J.M. Klinck.

Dr. Spitz is a Professor in the Dept. of Oceanography, Oregon State University.

SANG-KI LEE, 1995

“SEASONAL VARIABILITY OF HEAT AND MASS TRANSPORT PROCESS IN THE UPPER TROPICAL ATLANTIC OCEAN: A NUMERICAL MODEL STUDY,”
Advisor: G.T. Csanady.

Dr. Lee is currently working at NOAA/AOML as a CIMAS/UM scientist.

AJOY KUMAR, 1995

“OBSERVATION OF SHELF-WATER OVERRUNNING THE SOUTHERN SLOPE SEA,”

Advisor: G.T. Csanady.

Dr. Kumar is currently an Assistant Professor of Ocean Sciences and Coastal Studies at Millersville University, PA.

MARGARET DESHENIEKS (MCMANUS), 1996

“THE EFFECTS OF ENVIRONMENTAL VARIABILITY ON THE POPULATION STRUCTURE OF THE EASTERN OYSTER (*CRASSOSTREA VIRGINICA*): A MODEL STUDY,”

Advisor: E.E. Hofmann.

Dr. McManus is currently an Associate Professor at the University of Hawai'i at Manoa, Dept. of Oceanography.

CATHY LASCARA, 1996

“SEASONAL AND MESOSCALE VARIABILITY IN THE DISTRIBUTION OF ANTARCTIC KRILL, *EUPHAUSIA SUPERBA*, WEST OF THE ANTARCTIC PENINSULA,”

Advisor: E.E. Hofmann.

Dr. Lascara is currently the Chief Operating Officer, Software Division at the Mechdyne Corporation.

JOHN HOLDZKOM, 1998

“STUDIES OF WARM-CORE RINGS USING A PARTICLE-IN-CELL METHOD,”

Advisor: A.D. Kirwan.

Dr. Holdzkom currently works for AER, in Suffolk, VA.

JAMES KOZIANA, 1999

“A COUPLED BIO-OPTICAL AND MIXED LAYER MODEL FOR THE EQUATORIAL PACIFIC,”

Advisor: E.E. Hofmann.

Dr. Koziana is now retired after a career with SAIC.

DAVID SMITH, 1999

“MODELING AND OBSERVATIONAL STUDIES OF SEA ICE – MIXED LAYER INTERACTIONS ON THE WEST ANTARCTIC PENINSULA CONTINENTAL SHELF,”

Advisor: J.M. Klinck.

MARIO CÁCERES MUÑOZ, 2001

“TRANSVERSE VARIABILITY OF THE FLOW AND DENSITY IN INLETS OF SOUTHERN CHILE,”

Advisor: A.Valle-Levinson.

TONYA DENISE CLAYTON, 2001

“TRICHODESMIUM SPP.: NUMERICAL STUDIES OF RESOURCE COMPETITION, CARBOHYDRATE BALLASTING, AND REMOTE-SENSING REFLECTANCE,”

Advisor: E.E. Hofmann.

BETTINA FACH, 2003

“MODELING STUDIES OF ANTARCTIC KRILL (*EUPHAUSIA SUPERBA*) SURVIVAL DURING TRANSPORT ACROSS THE SCOTIA SEA AND ENVIRONS,”

Advisor: E.E. Hofmann.

Dr. Fach is currently at the Middle East Technical University in Turkey.

JOSE BLANCO, 2004

“INTER-ANNUAL TO INTER-DECADAL VARIABILITY OF UPWELLING AND ANCHOVY POPULATION OFF NORTHERN CHILE,”

Advisor: L.P. Atkinson.

Dr. Blanco is currently working in Chile, however, he continues to do collaborative work with CCPO.

KYUNG HOON HYUN, 2004

“THE EFFECT OF SUBMARINE CANYON WIDTH AND STRATIFICATION ON COASTAL CIRCULATION AND ACROSS SHELF EXCHANGE,”

Advisor: J.M. Klinck.

Dr. Hyun is currently an Adjunct Professor at NC State University.

HAE-CHEOL KIM, 2004

“ESTIMATION OF PRIMARY PRODUCTION AND CARBON FLUX IN ANTARCTIC COASTAL WATERS: A MODELING STUDY,”

Advisor: E.E. Hofmann.

Dr. Kim is currently with IMMSG at Environmental Modeling Center, NCEP/NOAA, Camp Springs, MD

ANDRES SEPÚLVEDA, 2004

“INNER SHELF CIRCULATION IN COASTAL VIRGINIA: A DATA ASSIMILATION APPROACH,”

Advisor: A.Valle-Levinson.

Dr. Sepulveda is now at the University of Concepcion in the Geophysics Department.

ROSARIO SANAY, 2004

Advisor: A.Valle-Levinson

Dr. Sanay is currently a Research Scientist at Universidad Veracruzana.

BARIS SALIHOGLU, 2004

“MODELING THE EFFECTS OF PHYSICAL AND BIOGEOCHEMICAL PROCESSES ON PHYTOPLANKTON SPECIES AND CARBON PRODUCTION IN THE EQUATORIAL PACIFIC OCEAN,”

Advisor: E.E. Hofmann.

Dr. Salihoglu is currently at the Middle East Technical University in Turkey.

DAVID SALAS-MONREAL, 2006

“CONTINUOUSLY STRATIFIED FLOW DYNAMICS OVER A HOLLOW,”

Advisor: A. Valle-Levinson.

Dr. Salas-Monreal is currently with the Centro de Ecología y Pesquerías at Universidad Veracruzana, Mexico.

ISAAC SCHROEDER, 2007

Advisor: T.C. Royer.

Dr. Schroeder is currently at the Farallon Institute, which is housed at NOAA's Environmental Research Division (ERD).

NANDITA SARKAR, 2007

“MIXED LAYER DYNAMICS ALONG THE SEWARD LINE IN THE NORTHERN GULF OF ALASKA,”

Advisor: T.C. Royer.

Dr. Sarkar is currently at the Farallon Institute, which is housed at NOAA's Environmental Research Division (ERD).

YUSUF SINAN HUSREVOGLU, 2008

“MODELING THE SEASONAL SEA ICE CYCLE IN THE ROSS SEA, ANTARCTICA”

Advisor: J.M. Klinck.

Dr. Husrevoglu is currently at the Middle East Technical University in Turkey.

BIN ZHANG, 2008

“FRONTAL VARIABILITY IN DRAKE PASSAGE --A MODELING STUDY,”

Advisor: J.M. Klinck.

Dr. Zhang is currently at the University of Maryland, College Park, MD.

ERIK CHAPMAN, 2009

“FACTORS AFFECTING ADULT FORAGING AND CHICK GROWTH OF ADÉLIE PENGUINS (*PYGOSCELIS ADELIAE*) OFF THE WESTERN ANT-ARCTIC PENINSULA: A MODELING STUDY,”

Advisor: E.E. Hofmann.

Dr. Chapman is a Commercial Fisheries Specialist the New Hampshire Sea Grant office.

ANDREA PIÑONES, 2011

“CIRCULATION ON THE WESTERN ANTARCTIC PENINSULA: IMPLICATIONS FOR BIOLOGICAL PRODUCTION,”

Advisor: E.E. Hofmann.

Dr. Piñones is currently pursuing her postdoctoral research at CCPO with Dr. Eileen Hofmann.

DIEGO NARVÁEZ, 2012

“MODELING THE DISPERSION OF EASTERN OYSTER LARVAE (*CRASSOSTREA VIRGINICA*) AND ITS EFFECTS ON THE MOVEMENT OF DISEASE RESISTANT GENES IN THE DELAWARE BAY ESTUARY,”

Advisor: J.M. Klinck.

M.S. Graduates**DORLISA HOMMEL, 1992**

“PLANKTON TRANSPORT PATTERNS AND RESIDENCE TIMES AROUND A TALL SEAMOUNT: SIMULATION RESULTS,”

Advisor: E.E. Hofmann.

SANG-KI LEE, 1993

“INSTABILITY WAVES IN THE GULF STREAM FRONT AND ITS THERMOCLINE LAYER,”

Advisor: C.E. Grosch.

Dr. Lee is currently working at NOAA/AOML as a CIMAS/UM scientist.

ANDRY RATSIMANDRESY, 1995

Non-thesis, Advisor: J.M. Klinck.

DAVID RUBLE, 1996

Advisor: L.P. Atkinson.

Mr. Ruble is currently a Research Associate at Old Dominion University.

EDDIE HASKELL, 1997

“MODELING PLANKTON COMMUNITY STRUCTURE UNDER ENVIRONMENTAL FORCING ON THE SOUTHEASTERN U.S. CONTINENTAL SHELF,”

Advisor: E.E. Hofmann.

Mr. Haskell is currently a Software Engineer for Exelis VIS, in Boulder, CO.

VINCE KELLY, 1998

Non-thesis, Advisor: L.A. Codispoti.

Mr. Kelly currently is Director of Green Eyes Observing Systems, located at the Horn Point Lab campus in Cambridge, MD.

SHELLY PARASO, 1998

“MODELING ENVIRONMENTAL EFFECTS ON MSX PREVALENCE AND INTENSITY IN EASTERN OYSTER (*CRASSOSTREA VIRGINICA*) POPULATIONS,”

Advisor: E. E. Hofmann.

Ms. Paraso is currently with NOAA

RICHARD MOODY, 1998

Non-thesis

Advisor: L.P. Atkinson.

J. MICHAEL FOUGEROUSSE, 1999

Non-thesis, Advisors: L.P. Atkinson and G.F. Cota.

TIM BOYER, 2000

Non-thesis, Advisor: J.M. Klinck.

Mr. Boyer is now working at NODC/NOAA.

NANDITA SARKAR, 2001

“HYDROGRAPHIC VARIABILITY ON DECADAL AND INTERDECADAL SCALES IN THE NORTHERN GULF OF ALASKA,”

Advisor: T.C. Royer.

TERESA GARNER (UPDYKE), 2005

Non-thesis, Advisor: Ann Gargett.

Ms. Updyke is currently a Research Associate at CCPO working on a project to study and map surface current velocities in the lower Chesapeake Bay using high frequency RADAR.

CHRISTOPHER KATZENMILLER, 2005

“INTERANNUAL VARIATION OF STRATIFICATION IN LOWER CHESAPEAKE BAY,”

Advisor: L.P. Atkinson.

DIEGO NARVÁEZ, 2006

“EXCHANGE HYDRODYNAMICS BETWEEN A SUBESTUARY AND ITS ADJACENT ESTUARY,”

Advisors: L.P. Atkinson and A.Valle-Levinson.

ANDREA PIÑONES, 2006

“TIDALLY INDUCED VARIABILITY AT THE CHESAPEAKE BAY ENTRANCE,” Advisor: A.Valle-Levinson.

RUTH LANE, 2007

“SALT FLUXES IN THE CHESAPEAKE BAY ENTRANCE,”

Advisor: L.P. Atkinson.

Ms. Lane is currently the Officer in Charge, NMOPDC Det Atlantic, U.S. Navy.

ALEXANDRA MATTHEUS, 2008

Non-thesis, Advisor: E.E. Hofmann.

TIAN TIAN, 2011

“MODEL-BASED ANALYSES OF NITROGEN CYCLING ON THE MIDDLE ATLANTIC BIGHT CONTINENTAL SHELF,”

Advisor: E.E. Hofmann.

MAHMOUD KAMEL, 2011

“THE EFFECT OF AN OFFSHORE WIND TURBINE ARRAY ON CIRCULATION IN AN IDEALIZED COASTAL OCEAN,” Advisor: J.M. Klinck.

Mr. Kamel is currently pursuing his Ph.D. within the Physics Dept. at Old Dominion University.

Current CCPO Students

William Boll
Jim Haluska
Stefanie Mack
Brit Nicholson
Suriyan Saramul
Michael Scruggs

Please forward any corrections or additions to this list to stephanie@ccpo.odu.edu.

Highlights, memories and thoughts on time spent at CCPO

Karal Gregory

Memories of CCPO: Pulling Carole's hiring index card off the Batten Arts & Letters bulletin board back in '88 pretty much blessed my college life with a great undergrad job that did not include McDonald's or selling season tickets to the then nonexistent football team. I had my own office most of the time and a pretty decent salary for a student, and people who cared about me through those 4.5 years and beyond. Lasting friendships and some hilarious memories: playing hide and seek and watching scary movies on Halloween out in Crittenton Hall; the wine and sandwich shop off of Hampton Boulevard and "whine week" Friday afternoon chill sessions; meeting and working with people from all over the globe (pretty cool for a rural Virginia country kid); all of the fun we had transitioning from the main campus to our own private, waterfront property off Colley and watching it all come together, and many, many a lunch spent at O'Sullivan's Wharf. Oh, and the day that Wayne Schroll told me my veggie burger lunch "looked like a tree." Wayne, I have forgiven you!

—Karal was an assistant and technical writer with CCPO from 1988-1993. Currently she is a technical writer with Atlas Systems in Virginia Beach.

Lisa Ayers Lawrence

Memories of CCPO: Worked with a great group of people -- Dr. Lou Codispoti, Steve Gaurin & Vince Kelly. There were a lot of fun, young people that were grad students and staff at the time and we had a great time together. We lunched together regularly in the common area or at the picnic table outside, played co-rec softball and water polo, and went out together on the weekends. Great times!

—Lisa did science communications for Lou Codispoti at CCPO. She is currently a Marine Education Specialist at VIMS.

John Kroll

Memories of CCPO: I enjoyed it. Wish I could have kept up my research.

—John was a Professor with CCPO and is currently an Associate Professor in the Mathematics Dept. at ODU.

Bruce Lipphardt Jr.

Memories on CCPO: I have a lot of very wonderful memories of my years at CCPO. My graduate studies were very rewarding, and also a lot of fun. The faculty, staff, and students at CCPO were all very positive. It felt very much like family to me. I especially remember the excitement of getting organized and moving in to Crittenton Hall, with all of the students meeting to decide their office assignments. We got a lot of help from Wayne Schroll in setting up a new building wide Sun computer network, essentially from scratch. I was also privileged to help Eileen Hofmann in collecting hydrographic measurements off the Antarctic Peninsula in April-May 1993 on board the R/V Nathaniel Palmer as part of one LTER cruise. My roommate on board was Dave Smith, another CCPO Ph.D. student.

—Bruce Lipphardt Jr. was a 1993 Ph.D. graduate. He is currently a Research Assistant Professor College of Earth, Ocean and Environment, University of Delaware.

Chunyan Li

Memories of CCPO: CCPO was a gateway for me to broader independent research. I cannot say enough how much I appreciate the support that I received from CCPO!!

—Chunyan was a Research Assistant Professor while at CCPO. He is currently an Associate Professor, Exxon Mobil Professor and Director of WAVCIS at Louisiana State University.

Masato Kobayashi

Memories of CCPO: I was very happy to stay in CCPO. I really appreciate all faculty and staff including Eileen, John and Larry for their kindness treatment. Additionally, as my first stay in US was Norfolk, I have felt that Norfolk is my home town in US.

—Masato is currently a Professor at Yokohama College of Commerce.

Josep Luis Pelegrí

Memories of CCPO: I remember the enthusiasm of the faculty when moving to Crittenton Hall, the good environment among the students and faculty, the gatherings we had outside the building in the water front, the times we went to some faculty house, particularly when we gathered at Gabe Csanady's house.

—Josep was a 1992 Ph.D. graduate. He is currently a Research Professor at Consejo Superior de Investigaciones Científicas (Spain).

Kyung Hoon Hyun

Memories on CCPO:

My family and I had a wonderful time during my stay at CCPO. Norfolk is the place we never forget. We initially settled down there moved from Korea, my second son was born there, and I got Ph.D. It was a blessing to spend a part of life together with such a nice and generous people at CCPO.

—Hoon was a Ph.D. student at CCPO and is currently an Adjunct Professor at NC State University.



From l to r: Eddie Haskell, Larry Atkinson, Denny Kirwan, and Chet Grosch



Larry Atkinson and Lou Codispoti

Olga Polyakov

Memories of CCPO: *I loved the camaraderie of the staff.*

—Olga was a Research Assistant to Eileen Hofmann. She is currently a math teacher with Alexandria City Public Schools



John Holdzkom, Julie Morgan and John Moisan

Hector H. Sepulveda (Andres)

Memories of CCPO: *Great times at Crittenton Hall! Learning IDL and traveling around the world doing research. The chance to go for dinner with the speakers was an incredible opportunity to learn.*

—Andres was a 2004 Ph.D. graduate. Currently he is an Assistant Professor in the Geophysics Dept. at the University of Concepcion.



John Klinck and Eileen Hofmann

Regina Warriner

Memories of CCPO: *The CCPO group felt a great deal like family. It was an incredible network of scholarly minds as well as a supportive environment for new students from all over the world in various fields of study. I immensely enjoyed my time working for Dr. Cota at CCPO.*

—Regina was an Administrative Assistant to Dr. Glenn Cota and is currently the Social Studies Department Chair, Midlothian High School.

David Ruble

Memories of CCPO: *I miss Crittenton Hall!*

—David was a student at CCPO and is currently a Research Associate for Dr. Richard Zimmerman at Old Dominion University.

Jose Blanco

Memories of CCPO: *I would have liked to share with you the celebration of the 20 years. I can proudly say that the 10 years that I was in the CCPO, from my time as student, postdoc and research scientist, where I could learn and share with everyone in the CCPO, are within the most memorable of my life.*

—Jose was a 2004 Ph.D. graduate. He is currently working in Chile and continues to collaborate on projects with CCPO.



From l to r: Ravi Chekru, Pierre St-Laurent, Tosca Ballerini, Diego Narvaez, Teresa Updyke, and Stefanie Mack

Bin Zhang

Memories of CCPO: *Other than my hometown, there is no such place that I have lived so long time in my life. I love CCPO, I love ODU, I love Norfolk. Here I got well educated and my Ph.D., here I met my wife and got married. Whenever I am going, I am thinking of the time I spent at CCPO and the people I met. I thank all the people at CCPO for their help and friendship. I hope CCPO become more and more famous as a research center and attract more students, visitors and scientists.*

—Bin was a 2008 Ph.D. graduate and is currently a research associate at Earth System Science Interdisciplinary Center, University of Maryland, College Park; Department of Atmospheric and Oceanic Science, University of Maryland.

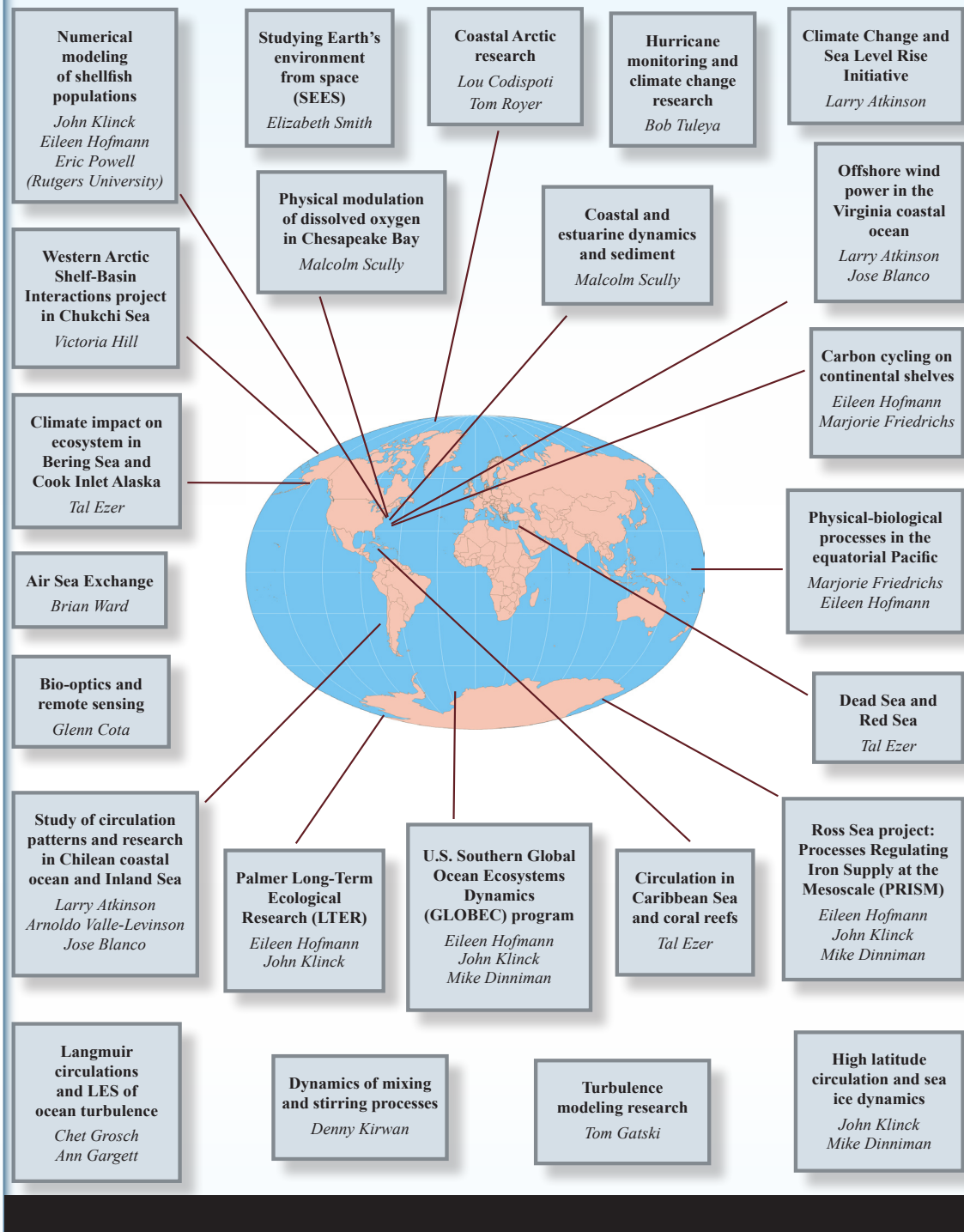


CCPO circa 1996



Beverly Mitchell

MAP OF CCPO PROJECTS 1991-PRESENT



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