

Master of Advanced Studies in Marine Biodiversity and Conservation (MAS MBC)



MAS MBC Handbook 2013-2014

Photo credit: David Kline

Welcome to the Masters of Advanced Studies in Marine Biodiversity and Conservation (MAS –MBC) at Scripps Institution of Oceanography (SIO). This intensive 12-month master’s degree program is unique among marine science master’s programs in its interdisciplinary approach. Throughout your time in the program, you will have the opportunity to take classes at SIO as well as other UCSD departments, including Political Science, Economics, and the Graduate School of International Relations and Pacific Studies (IRPS). We encourage you to take advantage of this opportunity to engage across disciplines and fields. Our aim is to provide you with a breadth of understanding in natural and social sciences as they relate to marine conservation.

The MAS-MBC degree is one of several MAS degrees at UCSD and is conferred by the Office of Graduate Studies. It is recognized by the University of California system as a professional master’s degree. The MAS-MBC is an entirely self-supported graduate degree program and receives no state funding.

This Student Handbook is a reference to help answer questions you will have regarding the MAS-MBC program.

Personnel

Students will interact with many UCSD faculty, staff, students and researchers during the program. For the summer course, **Penny Dockry** (pdockry@ucsd.edu), Assistant to the Directors for the Center for Marine Biodiversity and Conservation, and **Dr. Kathryn Mengerink** (mengerink@eli.org), Summer Course Coordinator, will be the main points of contact. **Dr. Richard Norris** (rnorris@ucsd.edu) is the Academic Chair for the MAS MBC Program and will provide valuable intellectual assistance over the academic year with the exception that he will be away for the summer.

Over the course of the year, you may have questions regarding the academic opportunities available to you, your choice of classes, your Capstone, or anything else related to academics. The **Academic Coordinator, Dr. Phaedra Doukakis** (pdoukakis@ucsd.edu; (858) 534-5022), is your point of contact on these matters. Dr. Doukakis has been a practicing conservation biologist for over ten years and has worked with many academic, intergovernmental and non-profit institutions. She can provide guidance on marine conservation in practice as well as the knowledge and skills necessary for succeeding in the field. She is available to meet to discuss Capstone Project ideas, make recommendations for Capstone Project Capstone Advisory Committee (CAC) members, and assist students in selecting appropriate coursework. She can serve as a liaison to make appropriate introductions with SIO and UCSD staff and faculty and ensure understanding of the nature of the MAS MBC program and the Capstone. Dr. Doukakis can also serve as CAC member. Dr. Doukakis will approve mini-grant proposals and the final Capstone Reports, based on prior CAC approval.

The **Program Manager, Jane M. Weinzierl** (jweinzierl@ucsd.edu; (858) 822-2886), helps you navigate the UCSD system, troubleshoot administrative problems, and identify the correct personnel to contact to resolve issues and answer questions. In addition, Ms. Weinzierl will alert you to registration deadlines, help with enrollment information, and ensure that students remain on course during the 12-month program. With regard to the Capstone Project, Ms. Weinzierl will check to ensure that students have met the required milestones and deadlines necessary to keep the Capstone Project on track. In addition, she may serve as a liaison with the CAC members if there are any issues to address.

ADMINISTRATIVE MATTERS

The most important information about the MAS MBC program can be found on the program website http://scrippseducation.ucsd.edu/Graduate_Students/Master_Degrees/marine_biodiversity_and_conservation/.

The most important forms can be found at http://scrippseducation.ucsd.edu/Graduate_Students/Master_Degrees/marine_biodiversity_and_conservation/resources/ and http://cmbc.ucsd.edu/Students/Current_Students/MAS-forms/.

All of the necessary forms referred to in this document can be found on the website.

You should also visit UCSD's "Current Student" website for more information on student life <http://www.ucsd.edu/current-students/> and the various electronic links managed through the Office of Graduate Studies (OGS) host website for guides and resources designed specifically for UCSD graduate students, such as academic information and policies: <http://ogs.ucsd.edu>.

It is important that students obtain and monitor a UCSD email account. UCSD policy regarding student e-mail addresses and University communication: <http://adminrecords.ucsd.edu/ppm/docs/160-3.HTML> "This policy establishes electronic communication as a recognized and official means by which University officials may, at their discretion communicate with students. Electronic messaging will be delivered through an official University channel, such as ACS-Webmail, or other such channels that may be developed for this purpose. "

Here is the link for students to set-up/monitor their e-mail options: <http://acms/students/index.html>

Other important websites include:

University of California, San Diego <http://www.ucsd.edu>

Scripps Institution of Oceanography <http://sio.ucsd.edu/>

Center for Marine Biodiversity and Conservation <http://cmbc.ucsd.edu/>

Study Space

All MAS MBC students have access to the study trailer located on the east side of La Jolla Shores Drive, Building C in the Deep Sea Drilling parking lot, PO16 on the SIO map (see page 4). There are desks, lounge area, small refrigerator, microwave, coffee pot and drinking water available at the trailer. A fax machine, a shared computer and printer are available, although all students should have a laptop for their personal use.

Housing Useful information about UCSD Housing and commuting can be found at <http://hds.ucsd.edu/housing/> and <http://ogs.ucsd.edu/about/welcome/housing.html>. The UCSD Office of Off-Campus Housing offers resources for students looking for a place to live, including information on the neighborhoods in the area, advice on renting in San Diego, and searchable listings of apartments or rooms for rent. A special login and password is required to access the Off-Campus Housing website at <http://offcampushousing.ucsd.edu/>. To gain access to the site, forward a copy of your UCSD acceptance letter along with a request for a login to offcampushousing@ucsd.edu.

There is a housing listserv especially for UCSD graduate students who have off-campus or on-campus housing needs or housing opportunities to share. Students post their own messages regarding housing needs. To subscribe, visit <http://mailman.ucsd.edu/mailman/listinfo/grad-housing-op-1>. If you have questions or trouble subscribing to the grad housing listserv, contact the OGS Intern at ogs-intern@ucsd.edu. Once you are on the listserv send your messages by email to grad-housing-op-1@mailman.ucsd.edu.

If you secure on campus graduate student housing, please note that the UCSD on campus housing policy requires that you be enrolled in a minimum of 12 units each quarter that you are in campus housing, with the exception of your final quarter of study. This becomes important when you are considering your pace of study and number of units for each quarter. If you are not enrolled in 12 units, you will receive notification from the UCSD housing office.

Local papers for San Diego offer classified ads for housing, used cars, etc. and public transportation:
San Diego Reader <http://www.sdreader.com/>
San Diego Union Tribune <http://www.signonsandiego.com/>
San Diego Mass transit (Bus, Trolley, Coaster) <http://www.sdcommute.com/>

International Students UCSD's International Center is the contact point for all international students regarding immigration regulations and documents. To maintain your student status at UCSD, you are required to check in at the International Center prior to the start of class. International students must enroll in 12 units each quarter of study, with the exception of the final quarter of study, or contact the International Center to see when exceptions can be made. For complete information regarding the center and the requirements for international students please refer to <http://icenter.ucsd.edu/>. **Note that international students will likely need to file paperwork each quarter to comply with immigration or scholarship requirements – please keep track of this!**

Maps / Parking

A map of the Scripps Institution of Oceanography campus is included on the next page. Note “Hubbs Hall” on the map, which is where your summer classes will be held. Parking areas are also designated on the map. Please refer to <http://parking.ucsd.edu/> for information on parking fees, where to purchase a parking permit, and parking rules and regulations at UCSD. Maps to the UCSD general campus may be accessed at <http://maps.ucsd.edu/Default.htm>.

Financial Aid

For specific questions on student loans, feel free to contact the MAS student contact person in the UCSD Financial Aid Office – Yvonne Borrego (858) 534-1669, yborrego@ucsd.edu or Pam Williams, pwilliams@ucsd.edu, or visit <http://www.ucsd.edu/current-students/finances/financial-aid/>

Although it is stated that the program is self-funded, that does not relate to financial aid eligibility. The term self-funded relates to tuition/fee payment as determined by the program since not receiving any funding or support from the state. Students in the MAS degree program are only eligible for Federal Direct Loan funding (Unsubsidized and/or Graduate PLUS Loan) consideration.

Mandatory Graduate Student Health Insurance

GRADUATE STUDENT HEALTH INSURANCE PLAN (GSHIP)

Health insurance is mandatory for all graduate students enrolled at UCSD. All students paying full registration fees to UCSD are automatically enrolled into the GSHIP. The fee for GSHIP will be charged to his or her student account each quarter along with other mandatory registration fees. Students already covered by waiver-qualifying health insurance may apply for a Health Fee Waiver to receive a credit for the health insurance fee.

A waiver application must be submitted on-line via <http://tritonlink.ucsd.edu> (click on Health Fee Waiver Tool from the TritonLink homepage) by the posted waiver deadline according to the Enrollment and Registration Calendar. Students who do not waive by the deadline are automatically enrolled into GSHIP. Please refer to the Student Health Service (SHS) website at <http://studenthealth.ucsd.edu> for more information regarding SHIP fees, waiver deadlines, online waiver application process, and waiver criteria. NOTE: You must be enrolled in at least one course to access the on-line waiver application.

GSHIP REFERRAL PROCESS:

Students who are enrolled in the GSHIP are required to obtain a written referral from an SHS provider PRIOR to receiving any covered non-emergency services. A referral is a written document authorizing you to receive medical care from a non-SHS provider for a specified condition. A written referral from SHS is required for any follow-up care after emergency services. A referral from an emergency room doctor is not a valid referral. SHS does NOT provide referrals retroactively.

Please refer to the GSHIP brochure, available on the SHS website, for complete information regarding referral requirements, benefits for covered services, and details on services not covered by GSHIP.

Summer Quarter Insurance: The GSHIP for summer quarter will be prorated based on the start date of the summer program. Spring 2014 GSHIP will cover you through summer until approximately mid-September 2014. You do not need to pay additional money for summer 2014 coverage unless otherwise notified.

Contact: Cindy McDaniel, camcdaniel@ucsd.edu / 858-822-0368.

Special TB Screening Notice: All incoming students must complete the TB screening through Student Health Services (SHS). Incoming graduate students are prompted to do this on the application status page of GradApply after they have accepted admission. First they are asked to complete an online screening questionnaire. Then, if based on the screening questionnaire it is determined that the student is at risk for TB infection, they are asked to have their health care provider complete a form that is available for download on the SHS website.

To access the questionnaire, log into your Application Status page at <https://gradapply.ucsd.edu/>. If your questionnaire shows you are at higher risk for TB infection, you will be directed to download the TB Assessment Form to be completed by a health care provider, and sent to UCSD Student Health Services. For more information see the [Student Health Services website](#).

This requirement must be completed to avoid the placement of a hold on your future UCSD class registration. For questions about this process please contact Student Health Services via ASK A TB QUESTION on their website <http://studenthealth.ucsd.edu/tb.shtml>

Fee Payment Procedures:

Payment is accepted in cash or check made payable to **UC Regents**.

Important Notes: *On your check, add the following: MAS student, current quarter, and your Personal ID number (PID) or social security number.* The **Central Cashier's Office** does **not** accept **credit card payments**.

In Person: Central Cashier's Office – Main Campus: **Student Services Center Building**, 402 Meyers Drive Suite 170 (first floor, south) Phone: (858) 534-3725 Fax: (858) 534-8960 **Office hours** Monday - Friday 8 a.m. - 4 p.m. There is a **drop box** available 24 hrs/ day located on the south side of the Cashier's Office.

By Mail: UC San Diego Central Cashier's Office, 9500 Gilman Drive, La Jolla, CA 92093-0009

By E-Check: Available through WebReg with a 75 cents transaction fee. (**Important Note: Only full payments are accepted through E-Check. If you have discounted fees, the amount owed for payment via E-check may not yet reflect your discounts.**)

By 3rd Party Billing: If your employer will be paying for all or part of your course and registration fees each quarter, please contact Jane M. Weinzierl so that this can be set up.

Additional Note Regarding Fees and Paying in Person: Often times there may be additional or odd charges showing up on your account. This is due to the fact that specific waivers and discounts have not yet been applied to your record. You just need to concern yourself with the balance you owe based on your fee schedule. If the Cashier's Office questions your amount, just mention that you are an MAS student.

Students should refer to the academic calendar available on TritonLink for a list of **important deadlines**, including:

- Fee Payment Deadline (without late fees) for continuing students
- Deadline to Request Health Insurance Waiver (See note above.)
- Deadline to Request a Leave of Absence
- Deadline to Add Classes without special permission from Department
- Refund Deadline for Course Fees
- Refund Deadlines for Registration/Ancillary Fees

Campus Photo I.D. Card

Office of Student Business Services (SBS), handles issuance of ID cards. You will need to show proof of enrollment and registration before an ID card is issued. **Student Services Center Building**, (third floor, south) Office Hours: M-W, F: 8am-4:30pm. Th: 10am-4:30pm Phone: (858) 822-4727 Fax: (858) 822-2314

Computing Services and Facilities

MAS students may obtain e-mail service from Academic Computing Services (ACS). Visit <http://acms.ucsd.edu> for information on how to apply for an email account through ACS. Some students prefer to use the e-mail service of an off-campus provider (e.g. gmail), or through their employer.

No matter which type of e-mail service you use, you are strongly urged to register with ACS/Network Operation to set up a "network username" (name@ucsd.edu address) that forwards mail to your e-mail service regardless of whether that service is provided by ACS or by an off-campus ISP. One of the benefits of registering with Network Operations for a network username is that it will allow UCSD offices to retrieve your address in order to send you important messages about enrollment, financial aid, and other business matters. Visit the Academic Computing and Media Services website <http://acms.ucsd.edu> and follow the appropriate link to register for a network username. You can also stop by Academic Computing and Media Services in the Applied Physics and Math Building, Room 1313 from 8:30am-4:30pm.

ArcGIS software is available at the ACMS labs in Old Scripps, Ritter, and Hubbs.

Contact Adam Petersen in the SIO Dept Office for Access Codes – apetersen@ucsd.edu

Hubbs Hall (HH) 1155 [\(1/1\) Computers](#)

Old Scripps Building (OSB) 10 [\(1/1\) Computers](#)

Ritter Hall (RH) 228 [\(1/1\) Computers](#)

Textbooks / Laptop computers/ UCSD Bookstore

For hours and directions of the UCSD Bookstore, refer to <http://www-bookstore.ucsd.edu/> or call 1-800-520-READ(7323) or 1-858-534-READ(7323). Information on textbook prices and availability can be found by referring to TritonLink at <http://www.ucsd.edu/current-students>

University Library Services

Please refer to <http://libraries.ucsd.edu/> for library hours and detailed information about the services provided to members of the UCSD community. The University library system offers a variety of workshops and orientations throughout the year. The schedule of training sessions is available on the library web site.

Leave of Absence from the Program

A leave of absence from the program can be arranged if needed. An official leave of absence requires that a student file paperwork with the Office of Graduate Studies. Re-enrollment in the program requires the Chair's approval. Before returning to the program, the student will be required to have a formal discussion with the Program Representative and Academic Coordinator to discuss a plan for completing all necessary program requirements (i.e., coursework, Capstone) within a clearly documented time-frame that is then approved by the Chair. If the leave happens at any point after completion of the summer course, the student should have a Capstone Proposal completed in time for the formal discussion.

ACADEMIC MATTERS

Pace of Study

Students will have periodic meetings with the **Program Representative** to check to see that they are meeting the program requirements and are on track to graduate as projected.

Master of Advanced Studies in Marine Biodiversity and Conservation Program Overview

Note: “X” indicates courses that must be taken in that quarter; “x” indicates flexibility in when courses are taken.

Course Requirements	Course #	Units	SU	FA	WI	SP
Introduction to Marine Biodiversity & Conservation - Lecture	SIO-295S	8	X			
Introduction to Marine Biodiversity & Conservation - Lab	SIO-295LS	8	X			
Marine Science, Economics & Policy (two 4 unit courses)	SIO-286	8		x	x	
Policy & Communications (one 4 unit course)	SIO 286 (Mengerink only) or other course with approval	4		x	x	x
Economics (one 4 unit course)	Econ 281 or other (see below)	4		X		
Electives Courses	Varies	8		x	x	x
Capstone Project	MBC-296	6				X
MAS MBC Forum (two 1 unit courses)	MBC 258	2		X	X	
TOTAL UNITS		48				

Important Note: Total program fees are based on taking 48 units. Students may take more than 48 units during the course of the program, but will be required to pay for the additional units.

Program Overview

For the MAS-MBC degree, the minimum number of credits needed to graduate is **48 units** (See Table 1.) Thus, after the summer course (16 units), you will need to take 32 units. (See **Table 1.**) In the Spring quarter you will be enrolled in the 6 unit **Capstone Project Course, MBC 296** (See section on **Capstone Project** for more information.)

Summer Course

The program begins with a mandatory summer course. The course is actually two classes, **SIO 295S** and **SIO 295LS** (8 credits each). The courses are taken for letter grade. Classes are typically taught in one-week thematic modules. Refer to the Summer Course Syllabus for the scheduled lectures, labs, readings, assignments, field trips, and special projects.

Policy/Communications

This requirement can be fulfilled by taking Marine Law & Policy (Mengerink, Fall) or any elective in policy or communications at UCSD. Courses other than Marine Law & Policy must be approved by the **Academic Coordinator** to count toward this requirement.

Economics:

Economics 281 in the Fall quarter (Jacobsen) is the required course for the economics requirement.

Marine Science, Economics and Policy

SIO 286 courses should be offered in fall (Deep Sea Biology and Stewardship, Levin), winter (MPAs, Sandin; Fisheries, Doukakis). You must take 2 four-unit SIO 286 courses (total of 8 units). Marine Law & Policy offered in the Fall with Kathryn Mengerink may count towards meeting this requirement or the policy requirement. Other courses may be substituted for the courses listed above with permission of the **Academic Coordinator**.

Forum

In the Fall and Winter quarters, you must take the core course MBC 258 (the MAS Forum).

Capstone Project

In the Spring quarter you will be enrolled in the 6 unit Capstone Project Course, MAS 296, an independent study project. See section on Capstone Project for more information.

Electives

You may select from graduate level course offered through UCSD in any department (e.g., Anthropology, Biology, Economics, Communication, History, International Relations and Pacific Studies (IRPS), Mathematics, Philosophy, Political Science, Psychology, Science Studies, and Scripps Institution of Oceanography (SIO)). If you wish to take an **undergraduate course, series 100**, you can do so but note that ***no more than 12 units of upper division undergraduate courses can apply to the MAS MBC degree. This is important to note if you are taking the undergraduate course to meet the Economics requirement.***

Additional Courses

Additional not-for-credit courses are available to supplement a student's training while studying at UCSD.

- **GIS Training:** GIS training is offered through UCSD Extension. IR/PS will also be offering a GIS course in the Fall (Gordon McCord).
- **UCSD Extension Courses:** OGS offers one free class from UCSD Extension in Fall and Winter quarters. The free class passes are limited, and are available on a first come first served basis. The Program Representative will forward information to you as it becomes available. You may view the classes that are available at UCSD Extension at <http://www.extension.ucsd.edu/index.cfm> . Note that Extension classes do not count towards the 48 units required for graduation. **Also, note that a \$500 voucher is offered to all students to take a University Extension course of their choice as a means of furthering development of professional skills in areas not covered in the regular curriculum.**

Grading

Please remember to carefully note the grading option that a professor has assigned to a class and change your grading option accordingly. If the instructor would like for the student to take the class pass/fail, please change your grading option accordingly. Failure to do so could result in a grade that might not reflect your true academic performance. *A special note to international students: although you may believe that you are required to take all course for grade, this is not always the case. Please check in with the Program Manager.*

Graduate students must maintain a 3.0 GPA to be in good standing with OGS. OGS also requires a minimum GPA of 3.0 in order for a student to earn the degree.

Enrollment Procedures

Students enroll in their courses on-line using their confidential **Personal Access Code (PAC) and Personal I.D. (PID)** that were assigned at the time of admission to the program. Visit the UCSD **TritonLink** homepage at <http://www.ucsd.edu/current-students/> and then go to **WebReg**, which is accessible on the sidebar. If you have lost your **PAC**, you will need to request it in writing or in person at the Registrar's Office. (See also **Fee Payment Procedures**)

Tritonlink is the UCSD system for managing your classes and account. You must login using your **PAC** number. This will allow you to register for classes, view your transcript including grades, and view your billing statements.

Academic Calendars

You can download calendars with important dates such as registering for classes, payment due dates, and start and end dates of the quarter, etc: **Enrollment and Registration Calendars, Enrollment and Registration Calendars, Registrar Administrative Calendar**. The **Program Representative** will send email reminders of important dates.

<http://registrar.ucsd.edu/ver2/academics/calendars/calendars.html>

GRADUATION

Preparing to Graduate

By the middle of Spring quarter, the **Program Representative** will review your transcript to confirm that you are eligible to graduate. You will be contacted if there are any questions.

Diploma

If you are eligible to graduate, the **Program Representative** will give you a form to complete your name as you wish it to be printed on the diploma. You will also indicate where you want your diploma to be mailed. The diploma will read: **Master of Advanced Studies in Marine Biodiversity and Conservation, University of California, San Diego**. Note, it can take up to 8 weeks to receive your actual diploma.

Commencement

Commencement ceremonies for all graduate students at UCSD are the first Saturday following the end of finals weeks. Commencement attendance is free, and you may invite as many friends and family as you would like. Commencement is held at the RIMAC in the auditorium. A reception follows which is open to friends and family. Details on location, ordering robes, etc. will be sent or posted on the OGSR web site well in advance of the commencement date.

Scripps Day

Scripps hosts an open house usually the last week of spring quarter. At that time, there is a Recognition Ceremony where graduating students who wish to participate are called on stage to be recognized for completing the degree. Information will be forthcoming regarding Scripps Day and activities surrounding Scripps Day. It is important to RSVP and to include the number of guests you are inviting

CAPSTONE PROJECT

Goals/Objectives

The Capstone Project offers students the opportunity to design an interdisciplinary marine biodiversity and conservation project. The Capstone Project should:

- Be creative, collaborative and interdisciplinary
- Apply knowledge that you have gained in the program
- Have a theoretical grounding and real-world application

- Prepare you for a future opportunity

The Capstone Project should embody original, independent and scholarly activity related to one or more of the topics covered by the formal curriculum in the MAS-MBC program.

There is tremendous flexibility in the content of your Capstone. It can be a research project, the production of a documentary, or planning and execution of an exhibit or workshop. The only requirement is that the project is interdisciplinary, on topic (i.e., related to the marine biodiversity and conservation), and theoretically grounded. The work should more than a term paper, but less than a master's thesis.

The Capstone Project may focus on previous or planned work experience, and can include research done prior to admission to the MAS-MBC program as the starting point for the Capstone Project but significant additional work during the MAS program must be demonstrated.

The Capstone may be a library research project, but it should be a very comprehensive and a critical review of the state of a significant body of literature. Such reports should integrate a field of knowledge, critically identify shortcomings in the available information, offer new insights, and identify areas in need of further study.

Students are highly encouraged to undertake a project that relates to what they hope to do after they graduate. Performing the Capstone research in collaboration with an outside organization of interest is one way to explore possibly job opportunities while still in the program. The Academic Coordinator can assist you in making contacts at outside organizations and may also have ideas on Capstone projects that these organizations would like to see completed.

Current students can acquaint themselves with the list of all previous Capstone Projects in order to see the kinds of project generally undertaken. These can be found on the website or by requesting a copy from the Program Representative.

The Capstone Project is graded by your committee members and you will receive a letter grade. The rough breakdown of the grade is as follows:

Points out of 100:

- 10 Timeliness (submit early draft by May31; final by June 12)
- 25 Quality of writing
- 25 Interdisciplinary merit
- 25 Student dedication and effort
- 15 Discretionary

Note that plagiarism of any kind will not be tolerated. If you plagiarize any part of your report, you will likely get a failing grade for your Capstone project.

Your Chair and committee will determine your grade.

Essential Steps

These are the required steps toward the capstone:

- Form a **Capstone Advisory Committee (CAC)**; submit a CAC form (which can be downloaded from the website- http://cmhc.ucsd.edu/Students/Current_Students/MAS-forms/) to the Academic Coordinator or Program Representative by **December 6, 2013**. You will not receive a passing grade in Forum if you do not hand-in this form.

- Write a **Capstone Proposal**; have your CAC Chair sign the front page; submit it to the Academic Coordinator or Program Representative by **February 15, 2014**. You will not receive a passing grade in Forum if you do not hand-in the proposal.
- Schedule two committee meetings: one late in the winter quarter and one early-mid spring quarter. These meetings are VERY helpful to you and your committee.
- Schedule weekly meetings with your Chair during spring quarter.
- Complete a **Capstone Final Report**; submit the signed copy to the Academic Coordinator or Program Representative by **June 11, 2014**. A draft copy of your report is due to your committee by **May 30, 2014**. The signature page can be found at http://cmbc.ucsd.edu/Students/Current_Students/MAS-forms/.
- Present at the **Capstone Symposium** in early June 2014 (tentative date June 6, 2014). The presentation must be attended by all of your CAC members unless alternative arrangements are made and approved by the Academic Coordinator or Program Manager.

Capstone Advisory Committee (CAC)

The CAC consists of at least **two** people- three people are preferred. The CAC must include:

- **AT LEAST ONE FULL TIME FACULTY MEMBER**. This person can be from either SIO or UCSD.
- **ONE MEMBER FROM SIO AND ONE FROM UCSD IF AT ALL POSSIBLE**. This is to make sure that you have an interdisciplinary committee. If the full time faculty listed above is from UCSD, the second person should be from SIO. If the full time faculty listed above is from SIO, the second person should be from UCSD. The second person does not have to be a professor – staff, lecturers, or research scientists will suffice. *NOTE: If you cannot find an appropriate second committee member from within the university, you can have a committee member from outside of UCSD provided the person is an expert in their field and has the interdisciplinary expertise needed to round out your committee.*
- **You are encouraged to have an additional committee member from outside organization such as a NGO, government agency or private industry.**
- You may have more than three CAC members but keep in mind that all must sign-off on your Capstone at the end of the spring quarter and attend the symposium (unless alternative arrangements are made and agreed to by the Academic Coordinator or Program Manager).
- You must also designate a **CAC Chair**. This can be any of the committee members.

To find appropriate CAC members, look-up faculty on the SIO and UCSD (Departments of Political Science, Communications, History, IRPS, Economics, Art, etc.) websites, look at the committees of past students, and talk to your graduate student mentor and/or Academic Coordinator.

Capstone Proposal

The Capstone Proposal is required so that you continually work to develop your project idea. The proposal should outline the following:

- A problem statement or objective– What questions are to be answered? Why are the questions important?
- A defined end product (a final paper, an exhibit, etc.).
- A methodology for achieving the end product
- References
- Approval by the CAC Chair (CAC Chair signature must appear on the Proposal cover sheet)

The proposal basically answers these questions: what are you trying to do, why and how will you achieve it within the timeframe that you have.

The proposal should be 1-2 pages in length, single spaced, 12 pt. font.

Capstone Report

- The Capstone Report should be about 25 pages, double-spaced, 12-point font. When the Capstone Project focuses on a project that does not entail a great deal of analysis and writing (e.g. a video documentary), the Capstone Report can be much shorter.
- The draft Capstone Report must be submitted to the CAC by **May 30, 2014**.
- The Final Capstone Report, incorporating any suggested changes from the CAC and the signatures of all three members of the CAC must be submitted to the Academic Coordinator or Program Representative no later than **June 11, 2014**. The report should be in its near final form when you give it to the committee.
- Two bound and color (if appropriate) printed copies of the Capstone Report with signed Capstone Signature page should be submitted. One copy will be kept as part of the library of Capstone Reports. Electronic copies should be sent to the Academic Coordinator and Program Representative. Copies should be given to CAC members in paper or electronic format as preferred by the CAC member.
- Copying costs of final Capstone Reports: Students will be given instructions for having two final Capstone Reports copied and bound at UCSD campus Imprints. Color copies are permitted if absolutely necessary. Pre-approval is not required for this. Additional copies are at the student's expense.
- The format of the report is up to you. It can be arranged like a paper ready for publication (handy if you are going to try to publish the work) or can be arranged in a different style. Just be sure to include references.

Capstone Symposium Presentation

- Occurs in early June.
- 15 minutes in length, followed by a 5 minute Q&A session.
- In addition to presenting, MAS MBC students must attend the full day of presentations.
- Must be attended by the CAC members unless other arrangements are made and approved by the Academic Coordinator.
- All students should plan on presenting at a practice session up to two weeks prior to Capstone Symposium.

Capstone Competitive mini-grants

There is a very limited MAS-MBC program budget for the Capstone projects. If resources are needed, first negotiate with the CAC and/or secure funding from extramural sources. If funds are still needed, you are invited to compete for a competitive mini-grant. A limited number of grants will be given out each year. To make a request for capstone expenses, submit a **Capstone Mini-grant Proposal** to the Academic Coordinator. **PLEASE NOTE THAT THIS PROPOSAL CAN ONLY BE SUBMITTED IF THE CAC FORM AND SIGNED CAPSTONE PROPOSAL HAVE BEEN SUBMITTED. YOU ALSO MUST INCLUDE A LETTER OF ENDORSEMENT FROM YOUR CHAIR.** Guidelines for the Capstone Mini-grant Proposal are as follows. More information is available at: http://cmbc.ucsd.edu/Students/Current_Students/MAS-forms/

- **Expenses should not exceed \$1000.00**
- Acceptable expenses include airfare, accommodations, lab supplies and shipping, and website construction.
- Per diem and local mileage (under 50 miles) **WILL NOT** be covered.
- Paying outside consultants or assistants **WILL NOT** be covered.
- Software licenses will not be purchased for an individual computer that belongs to a MAS student. A license can be purchased for a lab computer. Please try to use site licenses currently available or the computer lab whenever possible.
- Diving expenses*, including those incurred to obtain the necessary certification to dive at SIO, are reimbursable if your Capstone requires that you dive and if diving is central to the Capstone project. If

you are interested in becoming certified in SCUBA diving, a local dive shop Ocean Enterprises offers a 20% discount to active SIO divers and SIO dive course students. Check with the store for details.

- Any equipment, such as AV equipment should be rented or borrowed through available channels at UCSD. If it is absolutely necessary to purchase equipment, the equipment will become the property of the MAS MBC program at the termination of the Capstone Project.
- Expenses incurred prior to approval are the responsibility of the student. It can take 60-90 days to be reimbursed.
- Due by **February 15, 2014**. Submit to the Academic Coordinator.

*Read DIVING section on page 13 regarding regulations. Note that if diving is essential to your career and you wish to take the SIO diving course, you may use your Capstone funds, Extension course funds and Professional Development money to pay for this endeavor. See the Academic Coordinator or Program Manager for more details.

Your Capstone Mini-grant Proposal should include the following:

Name

Title of your project,

Names of the members of your CAC

Short justification for why you need funding and why it is essential to your capstone work

An itemized budget (e.g., \$300 airfare, \$300 hotel, etc.)

If your grant application is approved you can do one of the following:

1. For travel and expenses to be processed through UCSD: a. Send an email to the **Program Representative** with you name, social security number, mailing address (before and after the end of the quarter if you anticipate moving), travel destination and dates of travel (estimate of the dates is fine).
b. Get a travel event number from the **Program Representative**.
c. If traveling, contact Balboa Travel to book flights (www.balboa.com; 800 359 8773 or 858 678 3300; res5414@balboa.com).
d. For campus purchases or lab work expenses not normally covered at SIO, contact Program Representative for an index number.
2. To be reimbursed: a. Keep all receipts and submit to the Program Representative for reimbursement. Complete the form for reimbursement.
We can pay a vendor directly if we have an invoice from the vendor with the vendor name, date, type of expense, amount of expense, entity identification number, address and contact information.

Additional Funds for Professional Development

Each student has \$1,000 available to spend on professional development through attendance of a conference, informational meetings, etc. Additional information will be provided at the Forum class by the Academic Coordinator.

Research Involving Human Subjects

UCSD is responsible for protecting the rights and welfare of human subjects, human specimens, and related data in research conducted by or under the supervision of faculty, staff, or students. If your Capstone involved surveying or filming human subjects, your work will be subject to review by the **Institutional Review Boards (IRBs)** at UCSD. Contact the Human Research Protection Program, (858) 455-5050, as early as possible to start what can be a lengthy process. This is a very important step and cannot be done too early!

Diving*

If a proposed Capstone Project will involve diving, the student MUST confer with the SIO Divemaster (Christian McDonald (cmcdonald@ucsd.edu)) as soon as possible in the planning process. Note that being a certified diver is not sufficient and the student must go through additional training. All dive

projects must be approved by Christian in writing and must be submitted along with the capstone proposal. Also, see the note about diving expenses in the “Capstone Expenses” section above.

Important Note: *You cannot be involved in SCUBA diving for your Capstone Project if you are not certified and approved by the SIO Diving Safety Officer.*

Helpful Hints

- Start early. To avoid the last minute deadline rush, students should determine CAC members early, submit proposals, and gain approval to work on their projects in advance of deadlines as much as possible (i.e. by the start of the Winter Quarter).
- Be realistic in defining the scope of the project. By meeting with CAC members prior to submitting the proposal, the project is more likely to gain approval.
- Stay in touch with the CAC, Academic Coordinator and Program Representative. Students and CAC members should meet periodically during the Capstone process to discuss the project’s development. Periodic status reports to the Academic Coordinator are also advisable. The Program Representative may contact students periodically to ensure that they are on track for graduation.
- Allow sufficient time for review at the end of the project. Students should plan ahead, allowing time for reviewing and revising, taking into account other time constraints and Capstone Report submission deadlines for the quarter.

STUDENT LIFE & SERVICES

UCSD Career Services Center: Career services for graduate students. Visit <http://career.ucsd.edu/>

Office of Graduate Studies (OGS) Career Events for Graduate Studies

OGS sponsors a number of on-going Career events for graduates Students, ranging from On-Camera Interviewing Workshop for Graduate Students (Non-Academic) to CV-Writing Workshops. These notices are sent to the Program Representative, who will then forward to you.

Contact: Graduate Student Career Advisor University of California, San Diego Career Services Center, 0330 phone: (858) 534-3750 fax: (858) 534-0152 Online: <http://career.ucsd.edu>

More job resources: It is never too early to start looking for post-graduation employment. Looking at employment opportunities helps to hone ideas regarding your most desired position and the skills necessary to get the dream job (so you can obtain those skills while you are in the program!). Applying for the positions gives you practice in writing applications and interviewing. The Academic Coordinator is available to help with employment related issues, including reviewing drafts of applications and talking through career goals.

Students should consult the following resources for employment related matters. Remember to set up email notifications so that you can be alerted when a job of interest comes up.

- **SIO Job announcement list:** <http://siomail.ucsd.edu/mailman/listinfo/jobannounce>
- **Good Job Sites (Note that all of these are listed at http://cmbc.ucsd.edu/Research/Resources_For_Researchers/positions/):**

Indeed (<http://www.indeed.com>)

Idealist (<http://www.idealist.com>)

Society for Conservation Biology (<http://www.conbio.org/jobs/>)

MATE (<http://www.marinetech.org/careers/listings.php>)

USAJobs (<http://www.usajobs.gov/>)

<http://www.conservationjobboard.com/>

UN Careers: <https://careers.un.org/lbw/home.aspx?viewtype=SJ&vacancy=All>

IUCN: <http://www.iucn.org/involved/jobs/>

UNEP: http://www.unep-wcmc.org/vacancies--careers_39.html

http://www.biodiversityinternational.org/about_us/job_opportunities.html

http://www.stopdodo.com/jobseekers/jobseeker_signup.asp
<http://www.coolworks.com/older-bolder/>
<http://www.ecoemploy.com/jobs/>
<http://www.aquanet.com/connect?view=listjobs>
<http://wfsc.tamu.edu/jobboard/>
<http://www.aslo.org/employment.html>
<https://www2.apply2jobs.com/PSMFC/ProfExt/index.cfm?fuseaction=mExternal.showSearchInterface>
http://www.erf.org/job_listings
<http://www.freshwater-science.org/Classified-Ads/How-to-post-an-ad.aspx>
<http://www.hear.org/announcements/jobs.htm>
<http://doyonfoundation.wordpress.com/employment/>
<http://www.environmentalcareer.info/jobseekers/index.asp>
<http://www.earthworks-jobs.com/oceanogr.htm>

- **Organization specific:** AAAS, WWF, The Nature Conservancy, IUCN, Wildlife Conservation Society, Environmental Defense, Greenpeace, Oceana, Ocean Conservancy, Marine Conservation Institute, Monterey Bay Aquarium, New England Aquarium, USAJobs, BOEMRE.gov, State agency websites (e.g., CDFG), Consulting agencies (SAIC, etc.), Foundations (Packard, Moore), Journals (Nature, Science)
- **Listserve:** DCMC (check here to subscribe: http://www.iucn.org/about/union/secretariat/offices/usa/about_usa/dcmc/), Ocean Protection Council, Taxon specific - marine mammals (MARMAM <https://lists.uvic.ca/mailman/listinfo/marmam>), sea turtles, etc.
- Jointly subscribe to a jobs digest (pay service) with other students.

Scripps Institution of Oceanography Student Life

Each Friday, students at SIO host a TG. This is a great opportunity to meet other SIO students, especially those from other departments. There are drinks and snacks, sometimes for free, sometimes donations are requested for the drinks. Bring your campus ID and your own cup.

Counseling and Psychological Services

Graduate school can be a challenging time. You can get free counseling services through the CAPS located on the UCSD campus (<http://psychservices.ucsd.edu/#students>).

Diversity At SIO

There is an SIO diversity website (<http://sio.ucsd.edu/Diversity>) with general information and links to the SIO Grassroots Diversity Action Working Group (GDAWG) that welcomes involvement from faculty, staff, and students (visit: <http://gdawgsio.org/>). Similarly, there is a recently established group focused on Women and Minorities in Science (WMIS) that is open to women and men, and minorities and non-minorities (visit: <http://wmis.ucsd.edu/index.htm>).

Email Lists

You should subscribe to a number of email lists to keep up to date on news for both UCSD and SIO.

- **All-at-SIO.** The list page <https://siomail.ucsd.edu/mailman/listinfo> lists all the public lists.
- **MB-Seminars, Ecol-Seminars, Env-Policy, Artisanal Fisheries** and more: Go here <http://siomail.ucsd.edu/mailman/listinfo> to see the list of electronic mailing lists that are available to you. Of particular interest are two that will tell you about weekly seminars (MB-Seminars and Ecol-Seminars) and two that fill you in on events and meetings for the Environmental Policy and Artisanal Fisheries groups at SIO.
- UCSD Sustainability Solutions Institute for sustainability happenings on and off campus as well as grants, jobs and research opportunities. Check <http://calit2-web02.ucsd.edu/ssi/> for details on subscribing.

Fun

San Diego is a fun place to live. Here are some suggestions on stuff to do in the area:

Hiking: Cuyamaca State Park is about an hour away and offers some great hiking. Anza-Borrego dessert is just about another half an hour from Cuyamaca as is especially amazing in the spring when the desert flowers bloom. Julian is a cute little town that's a good stopping point for either excursion. Closer hiking options include Torrey Pines Park, Mission Trails and a few nearby canyons.

Music and Culture: For information on the latest happenings around town, check out The San Diego Reader (<http://www.sandiegoreader.com/>). The Loft at UCSD (http://www.artpwr.com/loft_splash) also has some great music and movies.

Water and Outdoor Sports: Check out Mission Bay Aquatic Center (<http://www.mbaquaticcenter.com/>) and also the Outback Adventure Center on UCSD campus (<http://recreation.ucsd.edu/outback-adventures.html>).

Sustainable Food: There are lots of options for local, sustainable food in San Diego and for getting your hand dirty every once in a while at volunteer events. For CSA options, check out this link:

<http://www.ecovian.com/s/sandiego/csa>. Volunteer at Wind Willow Farm run by San Diego Roots (<http://sandiegoroots.org/>) or at the Community Garden at UCSD Campus (<http://ncgardenucsd.com/>).

Ceramics and more: The Crafts Center at UCSD has great classes at good rates (<http://crafts.ucsd.edu/>).

TIMING GUIDELINES FOR ACADEMIC YEAR 2013-2014

Be aware of these deadlines and also realize that CAC members may travel over the course of the year. Be sure that they can sign the necessary paperwork by the deadline – get it done early if needed. A student can accelerate deadlines; **these are just the absolute latest dates to keep the student on track for graduation.**

- September 23: Start of Fall Quarter. Students enroll in **MBC 258** Fall Quarter MAC MBC Forum and other required courses.
- December 6: Students confirm participation of CAC members; **CAC Form** due.
- January 2: Start of Winter Quarter - Students enroll in **MBC 258** Winter Quarter MAC MBC Forum and other required courses.
- February 15: Students submit **Capstone Proposal and Capstone mini-grant proposal**, with CAC Chair signature.
- March 27: Start of Spring Quarter. Students enroll in **Capstone Independent Study Project MBC 296** (6 units).
- May 30: **Capstone Reports** due in draft form to committee. Reports must be sent to **CAC members****. Note that 10 points (out of 100) will be deducted from your final Capstone grade for late submission of the draft report.
- Late May/ early June Practice presentations
- June 5 TBA: **Capstone Symposium***
- June 7 - June 11: Students meet with **CAC** members to obtain approval signatures.
- June 11: Final Paper with signed **Signature Page** completed with **ALL CAC** signatures due – submit to Program Representative.
- June 13 TBA: Scripps Day Recognition Ceremony
- June 14 TBA: Commencement
- **CAC** members must attend their student's final presentation. In the event of a scheduling conflict, the committee member may attend the practice presentation or make other arrangements.
- **** All CAC** members must sign off on the Capstone Report. The Capstone Report submitted on June 11 should be considered the *FINAL!* The final **Signature Page** **MUST BE SUBMITTED BY JUNE 17, 2014.**

2013-2014 ACADEMIC AND ADMINISTRATIVE CALENDAR

FALL QUARTER 2013

Fall Quarter Begins **Monday, September 23**
Instruction Begins **Thursday, September 26**
Veteran's Day Holiday **Monday, November 11**
Thanksgiving Holiday **Thursday - Friday, November 28-29**
Instruction Ends **Friday, December 6**
Final Exams **Monday - Saturday, December 9-14**
Fall Quarter Ends **Saturday, December 14**
Christmas Holiday **Tuesday-Wednesday, December 24-25**
New Year Holiday **Tuesday-Wednesday, December 31-January 1**

WINTER QUARTER 2014

Winter Quarter Begins **Thursday, January 2**
Instruction Begins **Monday, January 6**
Martin Luther King, Jr. Holiday **Monday, January 20**
President's Day Holiday **Monday, February 17**
Instruction Ends **Friday, March 14**
Final Exams **Monday - Saturday, March 17-22**
Winter Quarter Ends **Saturday, March 22**

SPRING QUARTER 2014

Spring Quarter Begins **Thursday, March 27**
Cesar Chavez Holiday **Friday, March 28**
Instruction Begins **Monday, March 31**
Memorial Day Observance **Monday, May 26**
Instruction Ends **Friday, June 6**
Final Exams **Monday - Friday, June 9-13**
Spring Quarter Ends **Friday, June 13**
Commencement.....**Saturday-Sunday, June 14-15**

Appendix I: Past committee members

SIO affiliated faculty and researchers

Anderson, Andreas SIO faculty 2013
Aburto, Octavio SIO, 2011-13 (Researcher)
Batchelor, Heidi. SIO 2012-13 (staff)
Balance, Lisa, SIO/NOAA 2010, 2012, adjunct faculty
Barlow, Jay, NOAA Southwest Fisheries Science Center & adjunct faculty SIO 2009, 2010, 2012-13
Bock, Yehuda Director, SOPAC/CSRC; Research Geodesist/Senior Lecturer, IGPP, 2008
Broesch, James, SIO 2010
Burton, Ron, Director of Marine Biology Research Division – SIO 2011
Cartamil, Dan, SIO 2007
Cha, Harim, SIO – DO, Museum Scientist, Benthic Invertebrate Collection 2008
Checkley Dave Jr., SIO, 2009, 2010, 2013
Coats, Judith, Birch Aquarium 2010, 2013
Dayton, Paul, SIO 2007, 2008, 2011-12
Deheyn, Dmitri SIO Marine Biology Research Division 2007, 2008, 2010, 2013
Dettinger, Mike, SIO Climate Research Division/USGS 2009
Dickson, Andrew, SIO 2010
Doukakis, Phaedra, SIO / NOAA SWFSC 2010-13
Erisman, Brad, SIO 2012
Evans, Kristin, Birch Aquarium, SIO 2009-13
Ezcurra, Exequiel, UC MEXUS, UCR & adjunct faculty SIO 2009, 2011
Flick, Reinhard, California Department of Boating and Waterways [CDBW] SIO researcher 2009, 2011
Franks, Sharon, Birch Aquarium, SIO 2007
Gibbons, Dave, Physical Sciences Licensing, UCSD 2011
Goldstein, Miriam, SIO, 2012
Graham, Jeffrey, SIO 2007, 2011
Hamdoun, AMro, SIO 2013
Hastings, Phil, SIO 2006-2012
Hildebrand, John SIO 2009, 2010, 2012
Kooyman, Gerald, SIO 2009
Koslow, Tony , SIO 2010, 2011
Leichter, James, SIO 2008, 2009, 2010, 2011
Levin, Lisa, SIO 2007, 2009, 2012-13
Mengerink, Kathryn, Environmental Law Institute & SIO 2009-13
Miller, Art, SIO 2013
Mitchell, B. Greg, SIO 2006, 2010
Norris, Richard, SIO 2009-13
Ohman Mark, SIO 2009
Parnell, Ed, SIO 2007, 2008, 2011-13
Peach, Cheryl, Birch Aquarium at SIO 2006, 2007, 2008, 2009
Rouse, Greg SIO 2008, 2009, 2012-13
Thayre, Bruce UCSD/SIO, 2012
Sala, Enric, SIO, 2005, 2006
Sandin, Stuart, SIO 2008, 2010-13
Semmens, Brice SIO 2013
Simms, Eric, Birch Aquarium, SIO 2009, 2010
Smith, Jennifer, SIO 2010-2013
Sugihara, George, SIO, 2006, 2013
Tartakovsky, Daniel, Mechanical/Aerospace Engineering Dept., UCSD 2011

Zerofski, Phil, SIO 2011

UCSD affiliated faculty and researchers

Berg, Jericho , UCSD 2012

Bourne, Phil, Skaggs School of Pharmacy and Pharmaceutical Sciences, UCSD 2011

Carson, Richard, Dept of Economics, UCSD 2008, 2013

Callender, Craig, UCSD Philosophy, 2013

Czworkowski, John, Chemistry & Biochemistry, UCSD 2009

Davis, Zeinabue, UCSD Communications 2006, 2008, 2009

Dorr, Kirstie A., Ethnic Studies, UCSD 2010

Erie, Steven, UCSD Urban Studies/ Political Science, 2006, 2010

Evans, John, UCSD Sociology Department 2008

Fountain, Tony; Super Computer Center/UCSD 2006

Gibson, Clark, Political Science UCSD 2006

Gneezy, Ayelet, Rady School of Management UCSD 2009-2012

Goldfarb, Brian, Communication, UCSD 2009, 2013

Graff-Zivin, IR/PS & Economics, UCSD 2011

Groves, Theodore, UCSD Dept of Economics 2008, 2009, 2010, 2011, 2013

Jacobsen, Mark, Economics, UCSD 2009, 2011-13

Jordan, Clark, Rady School of Management 2009

Kay, Isabelle. UCSD 2011, 2012

Kay, Steve A. Biology, UCSD 2010

Kousser Thad, Political Science, UCSD 2011

McAllister, Lesley, IRPS 2010

McCord, Gordon, IRPS, 2012

McCubbins, Mathew D., UCSD Dept of Political Science, USD School of Law 2008

McGraw, Darrin, UCSD 2011

Millstone, Rachel, Education Dept., UCSD 2011

Moore, James, UCSD Anthropology 2008, 2010

Moore, Jeff, NOAA 2012

O'Connor Megan, UCSD Media Communications 2009

Pezzoli Keith, Urban Studies & Planning, UCSD 2009

Rosero, Ivan, Communications Dept 2013

Romo Oscar, Urban Studies and Planning, UCSD and Tijuana River National Estuarine Research Reserve 2011

Roy Kaustuv UCSD – Division of Biological Sciences 2008, 2012

Sarabia-Ramirez Hiram, Urban Studies & Planning, UCSD 2009, 2010

Shaffer, Lisa, IRPS/Rady

Shurin Jonathan, Section of Ecology, Behavior and Evolution, UCSD 2011

Squires, Dale, SWFSC, NOAA and IRPS/UCSD, 2005, 2006, 2008-13

Stocks, Karen, Super Computer Center/UCSD 2006, 2010

Vincent Jeff, IRPS 2005, 2006, 2007

Wilder, Rob; UCSD IRPS 2006

Yang K. Wayne, Ethnic Studies, UCSD 2010

Younkman David, IRPS 2006

Zhang, Junjie, IRPS, UCSD 2009-13

Woodruff David, Ecology, Behavior, and Evolution, Division of Biological Sciences, UCSD 2009, 2012

NOAA affiliated mentors

Herrick, Sam, NOAA, SWFSC 2012
Mesnick Sarah, NOAA SWFSC 2007, 2010-13
Morin, Phil, NOAA SWFSC 2012, adjunct SIO faculty
Rusin, Jeremy, NOAA 2013
Seminoff Jeffrey, NOAA SWFSC 2009, 2013
Stophs, Stephen, NOAA SWFSC 2013
Taylor Barbara, NOAA SWFSC 2007, 2009
Watson William, NOAA SWFSC 2009

Other Outside Members

Bennett, Stephen, 2013
Chandi, Manish, NCF India 2013
El Haddad, Najid, American University of Technology, Lebanon, 2013
Halmay, Peter, San Diego Fishermen's Working Group, 2012
Kinder, Debie, CEO Blue Ocean Film Festival, 2013
Lewinson, Rebecca, SDSU 2013
Lafferty, Kevin, UCSB 2013
Lombana Al, World Wildlife Fund (WWF) 2009
Lopez John, Lake Pontchartrain Basin Foundation 2011
Matthew Richard, International Institute for Sustainable Development & UCI International and Environmental Politics 2011
Melero-Duro David, Corcovado Foundation NGO 2011
Moncreiff Catherine, Yukon River Drainage Fisheries Association 2011
Rotman, Federico, Hubbs-Seaworld Research Institute, 2012
Rudie, Dave, Catalina Offshore Products 2013
Russo, Daniella, Founder, Palstic Pollution Coalition 2013
Sayce, Kelly Strategic Earth 2012
Schwartz Eben, Outreach Manager, CA Coastal Commission 2008
Sheppard, James, San Diego Zoo, 2013
Simeone, Alejandro UNAB-Chile, 2012
Stein Eric, Southern California Coastal Water Research Project 2010
Stillings Irene, California Center for Sustainable Energy 2011
Vroom Peter, NOAA Fisheries Pacific Island Fisheries Science Center 2010

Resources:

The [Research Proposal Development Service](#) in the Office of Research Affairs *Research Development & Grant Writing News*

Grantwriting: Foundation Center - <http://foundationcenter.org/>

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