

Assessment Coordinator's Report
Science Center for Marine Fisheries Research (SCeMFIS)
(<http://scemfis.org/index.html>)

Period of Time Covered by This Report:
April 1, 2016 – March 31, 2017

Prepared by
Donald D. Davis, Ph.D.
February 22, 2017

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Summary of Current Status of Center

- Center continues to have two sites: University of Southern Mississippi (USM, lead university) and Virginia Institute of Marine Science (VIMS, site) at the College of William & Mary
- SCeMFIS obtained two new full IAB members: Bumble Bee Foods and Sea Watch International. Both are affiliated with VIMS. No IAB members left the center.
- SRO letters indicate that both sites currently meet minimum NSF membership requirements.
- IAB support for the center continues to be strong, with effective use of consensual decision-making, participation in creation of a technology roadmap and consistent attendance at meetings. One IAB member, National Fisheries Institute Clam Committee, moved its affiliation from VIMS to USM to maintain membership balance across both sites.
- The center continues to extend its empirical reach and impact through effective use of researchers and consultants throughout the United States and Canada.
- Center researchers continue to exert influence while serving on government regulatory agencies, working groups and councils.
- Center and IAB leaders have begun to prepare a proposal to request Phase II funding from NSF.
- A survey dredge invented by the center was highlighted in the 2016 NSF Compendium of Industry-nominated Technological Breakthroughs.

SRO Membership Certification

University of Southern Mississippi



**THE UNIVERSITY OF
SOUTHERN MISSISSIPPI**

OFFICE OF RESEARCH ADMINISTRATION

118 College Drive #5157 Hattiesburg, MS 39406-0001

Phone: 601.266.4119 | Fax: 601.266.4312 | sponsoredprograms@usm.edu www.usm.edu

January 30, 2017

Certification of Membership

Project Title: I/UCRC: Collaborative Research: Phase I I/UCRC for Science Center for Marine Fisheries (SCeMFiS)

Grant No. HIP-1266057

Project dates: April 1, 2016-March 31, 2017

Today date: January 10, 2017

Member	Type	Year 1	Year 2	Year 3	Year 4	Year 5
In Cash <u>Member:</u> - List Company name, government agency with branch, and trade organizations or associations - For Small Businesses that received NSF SBIR Phase II matching, only the contribution of the company must be entered. You can enter NSF contribution under the "Others" section found below - Trade organization and associations must sign membership agreement and addendum to be eligible members <u>Type:</u> - Specify level of membership based on membership agreement based on agreement (Full/Associate/Observer) - If Government, indicate [Level]/[IMPRID]-ID or [LAA]-ID/[LIP supplement ID] or [Level]-signed if they signed the membership agreement - If members are buying more than one memberships in any given year please indicate number next to type (example: company A buys 2 full memberships for year 1, indicates 2-Full) <u>Year x:</u> - Enter membership amount under corresponding reporting year or budget award year - If member buys multiple years, you must enter each year membership amount under the correspondent year (example: company A buys 3 years memberships in year 1 equivalent to \$150k, you must enter 50k in year 1, 50k in year 2 and 50k in year 3)						
SurfSide Seafood Products	Full (1 vote)	25,000	25,000	28,214.29	25,000	
Lamonia Fine Foods	Full (1 vote)	25,000	25,000	28,214.29	25,000	
National Fisheries Institute Scientific Monitoring Committee	Full (2 votes)	50,000	50,000	52,500.00	50,000	
Lunds Fisheries Incorporated	Full (1 vote)	25,000	25,000	28,214.29	25,000	
Garden State Seafood Association	Full (1 vote)	25,000	25,000	28,214.29	25,000	
National Fisheries Institute Clam Committee	Full (1 vote)	0	0	0	25,000	
In Kind List name of members that provided in kind contributions. In the first year of any phase, in kind contributions do not count towards the minimum membership requirement and are to be addressed in the annual report or entered under the section "Others" below. However, with NSF's approval, Phase I can be granted an exception for in-kind totaling to no more than one full membership fee. After the first year of any phase, the Industry Advisory Board must approve all in-kind contributions for membership fees. If in-kind contributions are listed, annual report must include IAB certification of approval.						
Annual funds certified towards minimum membership requirement**		150,000.00	150,000.00	165,357.16	175,000.00	
** Minimum membership requirement is \$400K AND 8 full members for a single site center, \$150k AND 3 full members per site in a multi-site Phase I						

center, or \$175k AND 3 full members per site in a multi-sites Phase II and III

(OPTIONAL) Others

List NSF SBIR Phase II contribution, In-Kind contributions that do not count towards the minimum membership requirement, Institution contributions, and any other source of funding that Site Director wishes to list to demonstrate financial status of the site.

(OPTIONAL) Site Overall Total Funds (sum of annual funds certified and all other funds)						

Provided by

**Marcia
Landen**

Signature

Marcia Landen

Associate Vice President for Research

Digitally signed by Marcia Landen
DN: cn=Marcia Landen, ou=University of
Southern Mississippi, ou=Associate
Vice President for Research,
email=Marcia.Landen@usm.edu, c=US
Date: 2017.01.30 14:10:22 -0600



Virginia Institute of Marine Science
School of Marine Science

Certification of Membership

Project Title: IUCRC: Collaborative Research: Phase I IUCRC for Science Center for Marine Fisheries (SCeMFIS)

Grant No. IIP-1266057

Project dates: April 1, 2016-March 31, 2017

Today date: January 27, 2017

Member	Type	Year 1	Year 2	Year 3	Year 4	Year 5
In Cash						
<i>Member:</i>						
- List Company name, government agency with branch, and trade organizations or associations						
- For Small Business that received NSF SBIR Phase II matching, only the contribution of the company must be entered. You can enter NSF contribution under the "Others" section found below						
- Trade organization and associations must sign membership agreement and addendum to be eligible members						
<i>Type:</i>						
- Specify level of membership based on membership agreement based on agreement (Full/Associate/Observer)						
- If Government, indicate [Level]/[MIPRID]-ID or [IAA]-ID/[IIP supplement ID] or [Level]-signed if they signed the membership agreement						
- If members are buying more than one memberships in any given year please indicate number next to type (example: company A buys 2 full memberships for year 1, indicates 2-Full)						
<i>Year x:</i>						
- Enter membership amount under correspondent reporting year or budget award year						
- If member buys multiple years, you must enter each year membership amount under the correspondent year (example: company A buys 3 years memberships in year 1 equivalent to \$150k, you must enter 50k in year 1, 50k in year 2 and 50k in year 3)						
Atlantic Capes Fisheries	Full (1 vote)	25,000	25,000	28,214.29	25,000	
National Marine Fisheries Service	Full (2 votes)	50,000	50,000	50,000.00	50,000	
Northeast Fisheries Science Center						
National Fisheries Institute Clam Committee	Full (2 votes)	50,000	50,000	56,428.58	0	
Virginia Seafood Council	Full (1 vote)	25,000	0	0	0	
Bumble Bee Foods	Full (1 vote)	0	0	0	25,000	
Sea Watch International	Full (2 votes)	0	0	0	50,000	
In Kind						
<i>List name of members that provided in kind contributions.</i>						
<i>In the first year of any phase, in kind contributions do not count towards the minimum membership requirement and are to be addressed in the annual report or entered under the section "Others" below. However, with NSF's approval, Phase I can be granted an exception for in-kind totaling to no more than one full membership fee. After the first year of any phase, the Industry Advisory Board must approve all in-kind contributions for membership fees. If in kind contributions are listed, annual report must include IAB certification of approval.</i>						
National Fisheries Institute Clam Committee	Full (see above)	0	25,000	0	0	
Annual funds certified towards minimum membership requirement**		150,000	150,000	134,642.87	150,000	
** Minimum membership requirement is \$400K AND 8 full members for a single site center, \$150k AND 3 full members per site in a multi-site Phase I center, or \$175k AND 3 full members per site in a multi-sites Phase II and III						
(OPTIONAL) Others						
<i>List NSF SBIR Phase II contribution, In-Kind contributions that do not count towards the minimum membership requirement, Institution contributions, and any other source of funding that Site Director wishes to list to demonstrate financial status of the site.</i>						

Post Office Box 1346, Route 1208, Greate Road, Gloucester Point, Virginia 23062-1346
804.684.7027, fax 804.684.7614, modley@vims.edu

(OPTIONAL) Site Overall Total Funds (sum of annual funds certified and all other funds)						

Provided by

Signature Connie Motley
 Director of Sponsored Programs
 1/27/2017

Center Leadership

Center Leadership structure:

Role	Name	University/Organization	Email address
Center Director	Eric Powell	University of Southern Mississippi	eric.n.powell@usm.edu
Site-Director	Roger Mann	Virginia Institute for Marine Science, College of William & Mary	rmann@vims.edu
IAB Chair	Jeff Kaelin	Lunds Fisheries Inc.	jkaelin@lundsfish.com
IAB Vice-chair	Guy Simmons	NFI Clam Committee	guy@seaclam.com
Assessment Coordinator	Donald Davis	Old Dominion University (emeritus)	dddavis@odu.edu
Other			

- Center leadership has been stable since the center began. Dr. Eric Powell is director of SCeMFIS and leads the site at USM; Dr. Roger Mann serves as co-director and leader of the site at VIMS.
- The terms of the present Chair and Vice-chair will end at the April 2017 IAB meeting. At that time, the Vice-chair will become Chair and a new Vice-chair will be elected.
- Leadership succession in the IAB has adhered to the center's bylaws and has been smooth and uneventful.

Faculty Members Directing I/UCRC Research Projects Funded by IAB

	Faculty Name	Institution	# Projects
1	Eric Powell	University of Southern Mississippi	7
2	Paula Moreno	University of Southern Mississippi	4
3	Robert Leaf	University of Southern Mississippi	4
4	Patrick Sullivan	Cornell University, subcontract from University of Southern Mississippi	1
5	Daphne Munroe	Rutgers University, subcontract from University of Southern Mississippi	2
6	Olaf Jensen	Rutgers University, subcontract from University of Southern Mississippi	3
7	Roger Mann	Virginia Institute for Marine Science, College of William & Mary	4
8	Thomas Murray	Virginia Institute for Marine Science, College of William & Mary	1
9	Steve Cadrin	University of Massachusetts, Dartmouth	1
10	Genevieve Nesslage	University of Maryland Center for Environmental Science	1
11	André Punt	University of Washington	3

- Eleven researchers directed 21 projects. Most projects had multiple PIs.
- The center has significantly extended its research resources beyond the two university sites that comprise the center. In addition to the 5 researchers from the center's two university sites, an additional 5 researchers from Rutgers, Cornell, University of Washington, University of Massachusetts, Dartmouth, and University of Maryland, directed projects in the center.
- SCeMFIs added 1 new researcher who directed 1 project, Genevieve Nesslage, University of Maryland.
- SCeMFIS added two consultants—Paul Rago, recently retired from National Marine Fisheries Service, and Stephen Smith, recently retired from Fisheries and Oceans, Canada—who are contributing to a center working group on survey design.
- All faculty researchers attended or participated by phone in both IAB meetings.
- A survey dredge invented by the center was highlighted in the 2016 NSF Compendium of Industry-nominated Technological Breakthroughs.

Students Working on I/UCRC Research Projects Funded by IAB

	Student Name	Student Level and Year *	University	# Projects	Graduation (date)	Internship (list company, denote IAB members)
1	Taylor Daley	Master's	USM	2		
2	Sara Pace	Master's	USM	1		
3	Chase Long	Undergrad.	VIMS	1		
4	Jason Morson	Ph.D.	Rutgers	1		
5	Ben Marcy-Quay	Ph. D.	Cornell	1		
6	Jeremy Timbs	Master's	USM	1		
7	Ryan Harper	Undergrad.	Rutgers	1		
8	Rachel Marshall	Undergrad.	Rutgers	1		

- No students graduated or participated in internships.
- Sara Pace received an early career scientist travel award from the International Council for the Exploration of Seas (ICES) to attend the annual meeting in Riga, Latvia, in September 2016, where she gave a presentation of her research funded by the center.

Membership Activity Table

Current IAB members and attendance at IAB meetings (list all members of a Site together)

	Member Company	Affiliation	Present at Spring 2016 IAB Meeting	Present at Fall 2016 IAB Meeting
1	Surfside Seafood Products	USM	X	X
2	Lamonica Fine Foods	USM	X	X
3	National Fisheries Institute Scientific Monitoring Committee	USM	X	X
4	Lund's Fisheries Incorporated	USM	X	X
5	Garden State Seafood Association	USM	X	X
6	National Fisheries Institute Clam Committee	USM	X	X
7	Atlantic Capes Fisheries Inc.	VIMS	X	X
8	National Marine Fisheries Service Northeast Fisheries Science Center	VIMS	X	X
9	Sea Watch International (new member)	VIMS	X	X
10	Bumble Bee Foods (new member)	VIMS	X	X
11	Mid-Atlantic Fisheries Management Council	Center	X	X

* List of IAB members here should match those provided in the SRO letter. Add additional lines to table as needed.

- The center has 10 paying members and 1 gratis member
- National Fisheries Institute Scientific Monitoring Committee and Sea Watch International have 2 full memberships (\$50,000) each. All other IAB members have a single full membership (\$25,000).
- USM meets minimum NSF membership requirements: 6 members, \$175,000
- VIMS meets minimum NSF membership requirements: 4 members, \$150,000
- National Fisheries Institute Clam Committee moved its affiliation from VIMS to USM to maintain membership balance across both sites.
- Mid-Atlantic Fisheries Management Council is a gratis, non-voting member of the IAB. Their participation provides a communication channel to the primary government agency that manages shellfish and finfish species that are most relevant to the center's industrial members.
- All IAB members attended both IAB meetings.

IAB Members That Have Left the Center

	Member Company	Delegate Name	Email address
1	None		
2			
3			
4			

- It is noteworthy that the center has lost only 1 member in its first four years of existence.

Management of IAB Member Contact Information

- All member contact information is provided on the SCeMFiS website (www.SCeMFiS.org). Karen Reay, who provides administrative support at VIMS, maintains a current membership list and supports the center's website.
- The public portion of the website conveys the mission, activities and research of SCeMFiS and identifies its industry partners as well as the mechanisms through which potential members may join the Center. Pages of the website include: Home, Background, About Us, Partners, Research/Projects, Funding, Why Join, Press/Posters, Contacts, and a student page featuring research projects from both USM and VIMS. The Home page contains a Highlights section, which summarizes current research and meeting activity information for Center members, for public and potential members.
- A password-protected portion of the website contains pages for Administration, Center Documents, Meeting Information, Presentations, Projects, Proposals, and Publications. A rollover flow chart guides IAB members to the target page within the site architecture.

Use of NSF Required Governance Practices for Center
(Source: <http://www.nsf.gov/eng/iip/iucrc/requirements.jsp>)

NSF Governance Requirement	Yes/No
An I/UCRC shall be composed of one or more universities, each of which is a Site.	Yes
Each Site shall name a Director who shall be the Principal Investigator for that Site's NSF grant.	Yes
Each Site shall create a University Policy Committee composed of administrators from that university to oversee compliance of that Site with the university's policies and procedures.	See note 1
A Director shall be designated for the entire I/UCRC. She/he shall be either one of the Site directors or a co-principal investigator on one of the Site awards.	Yes
The I/UCRC shall define a membership structure for non-university, fee-paying members.	Yes
I/UCRC members may include for-profit and not-for-profit organizations (public or private), state and local agencies, or non-NSF federal agencies. A complete definition is found in the solicitation.	Yes
The membership structure shall define the types of members, member fees, and the rights of members, including all voting and governance rights, as per the conditions found in the solicitation.	Yes
The I/UCRC shall have an Industry Advisory Board (IAB) with one representative from each member. NSF, and/or its authorized representative, has the right, but not the obligation, to attend I/UCRC IAB meetings in their entirety.	Yes
The IAB shall elect a Chair.	Yes
The IAB shall meet at least twice per year with the meeting schedule and agenda being developed collaboratively with NSF.	Yes
The I/UCRC Leadership Team shall include all Site Directors, I/UCRC Director, and IAB Chair.	Yes
All I/UCRC members shall sign a single membership agreement approved by NSF and based on the template provided by NSF.	Yes
The membership agreement shall provide that all fee-paying members shall have non-exclusive, royalty-free rights to all intellectual property created by any research funded using member fees.	Yes
The I/UCRC shall create Bylaws that define its policies and operations.	Yes
The Bylaws shall adhere to the membership agreement and be approved by the IAB and NSF.	Yes
The Bylaws shall define a voting process for the approval of all research projects funded using member fees.	Yes
Research performed by the I/UCRC shall be pre-competitive in nature, and it shall be shared, directed, and funded by the fee-paying members.	Yes
All research projects funded by member fees shall be approved by the IAB using the voting process defined in the Bylaws.	Yes
NSF shall designate an NSF-funded Assessment Coordinator who shall attend all meetings of the IAB in their entirety, provide guidance to the I/UCRC, and collect data for NSF on the performance of the I/UCRC, from the IAB as well as the Center/Site Directors.	Yes
The I/UCRC shall submit an annual report to NSF summarizing the activities of the I/UCRC, including all Sites, and in accordance with NSF's reporting requirements.	Yes

- Note 1.* At both sites, SCeMFiS functions under the compliance protocols for externally funded research overseen by the Office of the Associate Director for Research and Advisory Service. The center substitutes this university structure for a University Policy Committee.

Center Collaboration and Alignment with NSF Practices

Describe the interaction/synergy among all center stakeholders (Academics and IAB members at meetings and in between meetings). Examples include: social hours and banquets during IAB meeting, video or telephone conference calls between IAB meetings.

- Communication among the center's stakeholders is open and frequent.
- A dinner for IAB members and center researchers is scheduled the night preceding each IAB meeting. This provides an opportunity to get reacquainted, share news and prepare for the meeting.
- A social hour and dinner are scheduled on the first night of the meeting at no cost for IAB members, faculty and student researchers, and guests.
- Groups of IAB members meet with the center and site director one month prior to each IAB meeting.
- Because of the regulatory nature of this industry and the widespread participation of the center's stakeholders in the regulatory process, center researchers and IAB members interact frequently throughout the year at meetings of organizations related to the fishing industry.
- Center by-laws require participation of center leaders and IAB members in a conference phone call 3 months after each IAB meeting, typically in January and July, to discuss issues of concern to the center.
- Phone conference calls devoted to specific topics, e.g., strategic planning and marketing, and to respond to out-of-sequence funding exigencies are scheduled as necessary.

Describe the level of collaboration across university sites and among the center's major stakeholders (center and site leaders, IAB chair, faculty researchers, student researchers, and center support staff) and its impact on center performance.

Center Collaboration Summary

- Collaboration across universities, between researchers that conduct research under contract, and between universities, IAB members and other industry members is strong and contributes significantly to the center's success and impact.

Research Collaboration

- In 2016, SCeMFIS supported 21 research projects. Of these, nearly half (10) were collaborative and involved researchers from more than one research institution.
- The Center fields 4 multi-institutional research teams, one for finfish stock assessments, one for shellfish stock assessments, one for marine mammal stock assessments, and a unique one charged with survey design recommendations.
- The center is very successful in recruiting scientists outside of the center to lead important research projects. Scientists from Cornell University, Rutgers University, University of Maryland at Eastern Shore, University of Washington, and University of Massachusetts at Dartmouth are currently leading projects.
- The IAB designates at least one industry member to serve as mentor for every project that it funds to enhance collaboration and strengthen project management.

Industry Collaboration and Impact on Fisheries Policy

- Center scientists participate actively in benchmark assessments conducted by the National Marine Fisheries Service, which set catch limits for the fisheries industry. This participation extends the impact of the center's research and enhances its stature in the industry.
- This year, 3 center scientists were appointed to the National Marine Fisheries Service Center (NMFS-NEFSC) Atlantic Surfclam Working Group, 3 were appointed to the NMFS-NEFSC Ocean Quahog Working Group, 2 were appointed to the NMFS-NEFSC Black Sea Bass Working Group, and 1 was appointed to the NMFS-NEFSC Atlantic Mackerel Working Group. In addition, 3 center members were appointed to the NMFS Survey Design Working Group, which is the first major re-design program in the western Atlantic Ocean.
- Several SCoMFiS scientists serve on Council Science and Statistical Committees (SSC), which provide a valuable empirical foundation for policy making.
- The Chair of the MAFMC SSC serves as an *ex officio* IAB member, and the VIMS site director also sits on the MAFMC. This influence from the center's scientists can have a major impact on the financial performance of the center's industry members as well as others throughout the industry.
- In addition to academic institutions, SCoMFiS maintains collaborations with leading consultants in the marine mammal and fisheries fields from Canada and the U.S.
- IAB members are playing an increasingly active role in helping the center to market itself and in recruiting new industry members to join the center. Current IAB members recruited the 2 new organizations that joined the center this year.

Administrative Collaboration

- Center staff support and share administrative tasks across both university sites. VIMS handles website and communication tasks. USM handles financials, meeting agendas, and research portfolio planning.
- All membership fees are paid to USM, which serves as the banker for the center. A Memorandum of Understanding (MOU) between USM and VIMS enables rapid transfer of funds as needed to support the center's research program.

Describe the level of interaction within the IAB with respect to the Center mission/operations and how this interaction influences performance of the center.

- IAB members interact and collaborate well with each other. For example, they choose to fund new projects and make other decisions through consensus rather than by allocating votes based on size of membership fee, which indicates the extent to which IAB members trust and support each other.
- IAB members frequently interact with each other outside of IAB meetings, which provides additional opportunities for collaboration and cultivation of relationships and trust.

Technology Roadmap:

- Center goals include:
 - a. SCeMFiS provides academic research products essential for the sustainable management of shellfish and finfish resources
 - b. SCeMFiS seeks to simultaneously achieve the goals of sustainable fish and shellfish stocks and sustainable fish and shellfish fisheries
- The IAB, working with center leaders and scientists and in consultation with NSF staff (Dr. Raffaella Montelli), began during the past year to create a technology roadmap. This roadmap will be refined and used in 2017 to guide the center's strategic choices and management of its research portfolio.
- The current draft of the roadmap identifies research needs that are linked to the timetable and decision-cycle used by government regulatory agencies to make decisions regarding stock assessments and management quotas of the species of shellfish, e.g., surfclams, and finfish, e.g., black sea bass, relevant to industrial members of the center. Research projects that address key points of leverage in the decision process will be funded and conducted.
- A project funded by the IAB in the past year supported a marine economist to create meaningful, valid indicators of the economic impact of center research and the government policy decisions that may be influenced by it. The center will assess the impact of its research on these economic indicators to document its effectiveness.
- The strong role played by government regulations restricts the ability of the center to make long-term plans and to predict future research needs of the industries represented by its members, so the center attempts to remain agile so that it can swiftly adjust its portfolio of research to respond to new regulations.

Compliance with NSF Pre-IAB Meeting Practices

<i>Pre-IAB Meeting Practice</i>	<i>Spring 2016 Meeting</i>	<i>Fall 2016 Meeting</i>
Collect and make accessible in advance of meetings Executive Summaries (following the template found at http://www.nsf.gov/eng/iip/iucrc/exec_summary_portfolios.jsp) for all new project proposals to be presented at the IAB meeting.	YES	YES
Clearly document the center project history. List completed projects and currently funded projects. List the cost, and beginning and end dates of each. Update this document prior to every meeting and provide to the IAB.	YES	YES
Organize an executive summary of center financial information since the last meeting. Include major categories of income and sources, outlays and purpose, and balances. Keep income from memberships (use governed by the membership agreement, bylaws) separate from other income. Given this overall picture, show funds allocated to current projects and funds remaining for allocation by the center to new projects. Conservatively project future funds for planning purposes.	YES	YES
Distribute NDA/CDA documents to all invited guests prior to the meeting with the expectation they be completely executed prior to the meeting.	YES	YES
Ensure all printed or electronic material conveying results of the center's research clearly state that the content is Center Proprietary and that the Terms of the Center membership agreement apply.		See note 1
Develop and distribute in advance a preliminary agenda for the meeting, outlining main meeting events and start/stop times with which people can plan travel.	YES	YES
Distribute a detailed final agenda just prior to the meeting. Effective agendas include: • Summary of the State of the Center by center leadership • Meeting activities that support interaction between industry members as well as with faculty and students, including: poster sessions, industry presentations, and industry-driven mentoring session • Adequate time for LIFE form completion after every project • Adequate time for IAB closed door meeting	YES	YES

- *Note 1.* Unlike other I/UCRCs, SCoMFIS does not protect its intellectual property. By design and intention and with IAB encouragement, its research results are widely shared in the public policy-making domain that governs fisheries in order to influence regulatory decisions that affect the economic success of its industry members.

Compliance with NSF IAB Meeting Practices

Denote compliance with each practice for each IAB meeting in the relevant box. Provide text explanation or interpretation in text box following table.

<i>IAB Meeting Practice</i>	<i>Spring Meeting</i>	<i>Fall Meeting</i>
Sign in all attendees. Provide an attendee list to all of preregistered attendees, and distribute an updated list at the close of the meeting. Most effective lists have faculty, students & postdocs, IAB members, and NSF grouped in their respective categories. List must include complete contact information, must identify "guests" among the members from current members. To showcase students, indicate if master or Ph.D. and year of anticipated graduation.		See note 1
<u>At Point of Registration</u> , "Non-Disclosure Form" is signed by each non-member industrial attendee and collected.	YES	YES
Please indicate the purpose of this meeting: - Primarily dedicated to proposal presentations w/ LIFE feedback (+ closed IAB Mtg.). - Primarily dedicated to a technical review of progress w/ LIFE feedback (+ closed IAB Mtg.). - A combination of the two purposes	New proposals and progress reports	New proposals and progress reports
Deliver a Center report to the center that brings members and faculty up-to-date on the center and the university research site(s) including: - A review of the center's vision and research roadmap and/or explicit set of center priorities - An update on the current center membership - Attention to outputs of interest of members and faculty (technology transfer impact, product, etc) from recently completed projects - An update on publication/awards and other highlights - An opportunity for discussion and questions by IAB members about the state-of-the-center - An overview of the upcoming meeting - Material related to projects presented throughout the meeting (including posters)		See note 2
Use a common slide master template for all presentations across all sites. Be conscious of maintaining center branding. - Proposed projects should include proposed schedule, overall and first year deliverables, and proposed budget - Ongoing projects must clearly state progress, milestones achieved, and deliverable status from those originally proposed - Final project reports should summarize all deliverables and outcomes as well as new directions that have emerged from the work		See note 3

<i>IAB Meeting Practice</i>	<i>Spring Meeting</i>	<i>Fall Meeting</i>
Enforce strict time limits for each project presentation and item in the agenda.	YES	YES
“Closed Meeting” sign posted; materials labeled “ <u>Center Proprietary</u> ”		See note 4
Meeting activities are included that support industry/ university networking; such poster sessions, evening hors d'oeuvres or dinner, and industry-driven mentoring sessions.	YES	YES
Project LIFE forms are completed and discussed by the IAB at each meeting.	YES	YES
IAB closed door meeting (NSF and IAB only) • Work with your IAB Chair the agenda for the IAB closed-door meeting that provides an opportunity for members to raise issues about center policies, procedures and research activities; use of and modification of by-laws if any; • Ensure that the IAB has the comprehensive financial update of the center to enable them to make informed funding decisions; Provide the IAB Chair with a well-defined procedures and timetable for selection of research projects	YES	YES
Action Items and Plans for Next Semiannual Meeting Make sure to have reviewed the I/UCRC Master Travel Calendar and have consulted with the NSF prior to the meeting regarding the availability of your preferred meeting dates	YES	YES

- *Note 1.* Registration list does not group attendees into their respective categories, e.g., faculty, students, IAB, guests, and/or does not report student status, e.g., undergraduate, master's, Ph.D. and expected graduation date.
- *Note 2.* Need for center roadmap was discussed, and work to create a center roadmap was begun. Roadmap is not yet used to select new projects. Presentation of center financial status has been a little unclear in the past. An ad hoc IAB meeting conducted by phone on February 2, 2017, addressed this problem. Reporting of financial status should be clear in the future.
- *Note 3.* Slide templates and content are not standardized. Some slide content recommended by NSF is excluded, e.g., comparison of current project status against promised deliverables, work-plan across time for future work using a Gantt chart.
- *Note 4.* Unlike other I/UCRCs, SCeMFIS does not protect its intellectual property. By design and intention and with IAB encouragement, its research results are shared widely in the public policy-making domain that governs fisheries in order to influence regulatory decisions that affect the economic success of its industry members. Widespread use of SCeMFIS research data, rather than its proprietary protection, will increase the center's success. Consequently, use of “Closed Meeting” and “Center Proprietary” practices is unnecessary.

Compliance with NSF Post-IAB Meeting Practices

Denote compliance with each practice for each IAB meeting in the relevant box. Provide text explanation or interpretation in text box following table.

<i>IAB Post-meeting Practice</i>	<i>Spring Meeting</i>	<i>Fall Meeting</i>
Send meeting outcomes to Center participants	YES	YES
Forward copy of IAB meeting minutes to IAB	YES	YES
Confirm next meeting date	YES	YES
Maintain an up-to-date and good quality centralized Webpage for the Center with a secure area (password protected for members) where to promptly save meetings information, research products, and any material related to Center activities.		See note 1
Center facilitates opportunities for project related communication (e.g., newsletters, regularly scheduled project conference calls) with the IAB between meetings.		See note 2
Promptly inform the IAB of any invention and publication generated by the Center in compliance with the terms set in the membership agreement and bylaws;	YES	YES
Provide accurate and up-to-date information for the I/UCRC directory at http://www.iucrc.org/centers . Instructions for updating and reporting web site information can be found at http://www.nsf.gov/eng/iip/iucrc/directory/instructions.jsp	YES	YES

- *Note 1.* The Center maintains a high quality webpage that includes public and private (IAB only) sections.
- *Note 2.* The Center distributes all products to the appropriate user groups, often via in-person attendance at federal/Council/Commission meetings and federal assessment working groups. Distribution of information is facilitated by IAB members serving in leadership positions in these organizations and by the membership of Center academics on working groups associated with these organizations. This interaction throughout the year allows center researchers and IAB members to share needed information as necessary between scheduled center meetings.

NSF staff (Debasis Mazumder) attended the spring 2016 IAB meeting, thus making unnecessary the NSF Assessment Coordinator IAB Meeting Report.

NSF Assessment Coordinator IAB Meeting Report

Assessment Coordinator Name: **Donald Davis**

Center Name:

Science Center for Marine Fisheries Research

IAB Meeting Location: **Virginia Institute for Marine Science, College of William & Mary**

Date: **October 13-14, 2016**

Meeting Statistics

Please provide meeting attendance information and funding numbers for the current project year in the table below:

	N of Member Firms Attending	N of Member Representatives Attending	N of Students Attending	N of Faculty Attending	Estimated Membership Fees Generated (Total \$)¹
Site A University of Southern Mississippi (lead)	6	6	4	3	\$175,000
Site B Virginia Institute of Marine Science, College of William & Mary (site)	4	4	1	1	\$150,000
CENTER	1	1			
SUBCONTACT RESEARCHERS				3 (3 via conference call)	
TOTAL:	11	11	5	7 (10)	\$325,000

Other significant information (concerns or success stories):

- Preliminary technology roadmap created with input from IAB; not yet used to guide decision-making.
- IAB and center leaders created plan to prepare proposal to request Phase II funding from NSF in 2017
- 2 new full (\$25K each) IAB members join center: Bumble Bee Foods and Sea Watch International
- 2 new researcher joined center: Genevieve Nesslage, University of Maryland
- No significant concerns

¹ Support reflected in current membership agreements not actual payments to university.