



OFWIM News

President's Message: Robin Carlson

Hello again, OFWIM Members!

As summer begins to wind down, we are fast approaching our annual conference! This year's annual business meeting and conference will be held September 14-17 at the Talaris Conference Center in Seattle, Washington. Take a look inside this newsletter for highlights of the upcoming events:

- We are very excited to announce that due to the number of qualified applicants for the Student Scholarship this year, we will be featuring a student paper session, with an unprecedented four scholarship winners! Also, to help us fund more students in future years, please donate items to our annual raffle (details inside)!

- We have released the preliminary agenda for the conference. A summary is included in this newsletter, and the full agenda is available on the OFWIM website, www.ofwim.org. Be sure to check out the complete list of sessions and speakers, which includes a broad range of timely and important topics on the theme of "Doing More With Less: Leveraging Resources and Technology Through Partnerships."

- A fun and informative field trip has been planned to Olympic National Park, including ferry rides, presentations by field scientists, and time for exploring on your own. You can find a more detailed description of the day on page 3.

- Make your voice heard, and vote for new OFWIM officers as well as the changes to the OFWIM bylaws. Details are on page 7.

It's not too late to register for the conference, and if you are unable to travel this year, we still have seats available for Remote Access registrants. Please see inside for details.

This has been a highly productive year for OFWIM, with strong participation in all committees. I have been honored to serve as President this year, and to work with the dedicated and talented individuals on the Executive Committee. It has been a joy to watch as all of the OFWIM committees worked together this year to increase our ability to provide training and networking opportunities to OFWIM members.

Looking forward to 2010, you can mark your calendars for the next OFWIM conference! The 2010 OFWIM Annual Business Meeting and Conference will be held October 18-21 at the Lake Barkley State Resort Park in Kentucky.

See you in Seattle, and stay tuned for exciting new opportunities after the conference!

All the best,
Robin Carlson

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2009 Conference Overview



Talaris Conference Center, Seattle WA

<http://www.talarisconferencecenter.com>

OFWIM 2009 Plenary Speaker

Cy Smith

Geographic Information Officer

Oregon Geographic Enterprise Office

OFWIM 2009 Banquet Speaker

Sue Rooney

Executive Director

Friends of the Cedar River Watershed

Conference Overview

Monday, September 14

All Day Field Trip to Olympic National Park
 Evening Registration
 Executive Committee Meeting

Tuesday, September 15

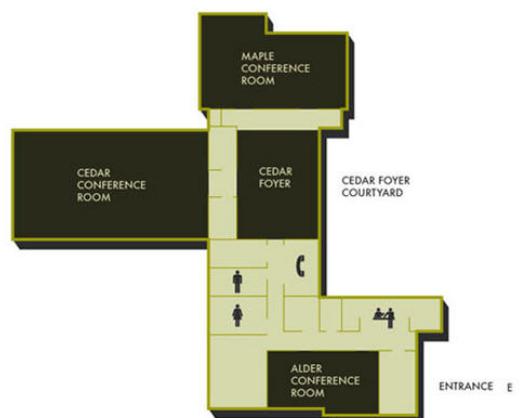
Registration
 Poster Set-Up
 General Sessions and Symposia
 Hacker's Ball and Poster Session
 Poster Take-Down

Wednesday, September 16

Registration
 General Sessions and Symposia
 Business Meeting with Lunch
 Banquet at Seattle Space Needle

Thursday, September 17

General Sessions and Symposia
 Adjourn at 12 p.m.



Join Us for the USGS Marrowstone Field Station and Olympic National Park Field Trip!



USGS Marrowstone Marine Field Station

for office, library, and dorm space), the station maintains a laboratory/office building, two wetlabs with constant seawater flow, and support structures such as the pumphouse and shop. Approximately \$4.0 million dollars was invested in construction and remodeling in the early 1990s." (<http://wfrc.usgs.gov/labs/marrowstone.htm>)

The day's adventure starts at 6:45am with a Ferry ride to the Olympic Peninsula.

Our first stop will be at the USGS Marrowstone Field Station. "The station is a former U.S. Coast Guard lighthouse, acquired in 1974. Besides the classic old lighthouse keeper's residence (a three-story house now used

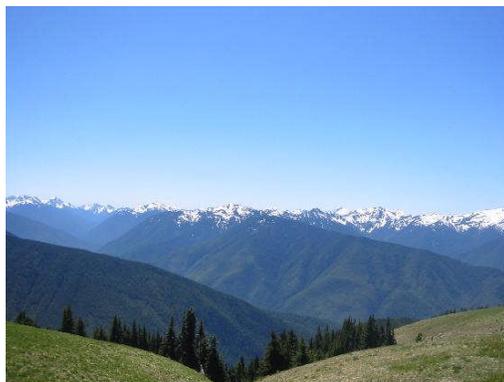
Learn more about the lab research at USGS on marine and aquatic species of the Northwest. High seawater quality is a primary asset to the scientists at the USGS Marrowstone Field Station. The lab is one of the few seawater laboratories in the United States.

From there we will eat lunch in Port Angeles (please bring \$\$ for food) and proceed to the Olympic National Park. Olympic National Park, which encompasses 1 million acres with 95 percent designated as wilderness. In the Park, there are Pacific Ocean beaches, rain forest valleys, glacier-capped peaks and a stunning variety of plants and animals. From Hurricane Ridge, we will view the spectacular Olympic Mountains and Strait of Juan de Fuca.

As the day winds down, enjoy the ferry ride back to the mainland with a beautiful sunset and bring home unforgettable memories of this unique ecosystem. Arrive at the conference center around 7 pm. The cost is \$20/per person. You can pay onsite with cash or checks only please.

For more details about the Field Trip, go to:

<https://www.regonline.com/custImages/247637/OFWIM2009ConferenceProgram.pdf>.



Olympic National Park: Hurricane Ridge



2009 Conference Details

If you are unable to travel to Seattle, considering joining us through the virtual OFWIM Conference!

OFWIM has open seats remaining for remote access to the 2009 Conference for a conference rate of \$100. Consider participating remotely with multiple staff in your office for one low price! Don't miss out on OFWIM this year, join us virtually!

If you have questions, contact Jennifer Carlino, the Conference Program Chair at jcarlino@usgs.gov or (303) 202.4260.



****New this year:**

Remote Access to the Conference! **



Do you have extra gear, logo apparel, items of envy that you would like to donate for

RAFFLE

ITEMS?

Items are raffled off throughout the conference and proceeds support OFWIM's Student Scholarship!

Please mail items by **September 11, 2009** to:

Viv Hutchison

US Geological Survey - WFRC

6505 NE 65th Street

Seattle, WA 98115

(Phone) 206-526-6282 x329

(Email) vhutchison@usgs.gov

Questions about the Raffle?

Please contact Lisa Zolly at lisa_zolly@usgs.gov

Birds of a Feather

Discussion on Biological Data Warehousing and Analysis Capabilities

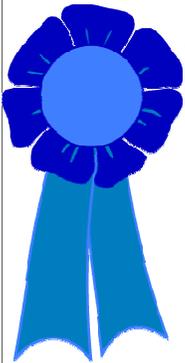
Facilitated by Mark Brunner

Throughout this past year, OFWIM members have been discussing various issues related to biological data warehousing and analysis capabilities. The newsletter has featured lively debate on the benefits and challenges of Biotics and other applications. This Birds of a Feather session will provide a forum for interested conference participants to have an open dialog across agencies about this topic.



Photo Credit: NBII LIFE

Bring your breakfast and please join us on Thursday September 17 from 7:30-8:30 in the Cedar Room!



Join Us for the Student Scholarship Award Session Integrating Natural Resources and Information Technology

The Student Scholarship recognizes academic and professional excellence among students enrolled full-time in fisheries and wildlife related curricula at an accredited college or university, with research or studies emphasizing wildlife information management and/or geographic information systems (GIS).

Four outstanding applicants were awarded this year and will present their work at the 2009 OFWIM Conference:

Michael Calkins, New Mexico State University: Modeling Conservation Priorities for Montana and Alpine Mammal Communities Using the American Pika as an Indicator Species

Jefferson (Tye) Deweber, Virginia Tech University: Land Cover Signatures of Hydrologic Landscape Regions

Grant Humphries, University of Alaska: Modeling Arctic DMS: How Machine Learning Algorithms and GIS can be used to Predict Accurately the Condition of the Arctic Ecosystem

Brad Timm, University of Massachusetts: Development of a Fine-Scale Remotely Sensed Map of Coastal Dune and Salt Marsh Cover Types at Cape Cod National Seashore

Congratulations to this year's award recipients!

Information about OFWIM Presentation Sessions

Here are a few items to help you plan for your session:

- A projector, screen, and microphone will be available for all presenters.
- A laptop will be designated for presentations, so please bring your electronic file on a mobile drive device or CD.
- Please include your last name and short title in the file name to ensure presentations don't get overwritten.
- Please ensure your presentation is loaded on the conference laptop prior to your session since there is limited time between speakers. The conference laptop will be available starting at the Monday evening Registration area in the Cedar Room Foyer and throughout the conference program.
- The laptop will be equipped with Microsoft Office 2003 and an Adobe Reader application, so make sure your file is compatible. You can check formatting before your presentation.
- A table will be available at the back of the room for handout materials.
- The Center offers wireless Internet throughout the facility.

If you prefer to email your presentation ahead of time, please send it by Friday September 11, 2009 to: jcarlino@usgs.gov

The final conference program will be available on September 1, 2009, so please check <http://www.ofwim.org> to confirm your presentation day and time.

If you have any questions, please contact Jen Carlino at jcarlino@usgs.gov.



Information about OFWIM Posters (Hacker's Ball)

- Setup on Tuesday September 16th any time after lunch.
- Takedown on Tuesday September 16th at the end of the Hacker's Ball.
- Poster Size: Maximum size should be 24"x36".
- Posters will be hung on the windows in the Pacific Dining Room with masking tape only, so do not laminate your poster.
- Masking tape will be available to hang your poster.
- Tables will be available for your laptop and handout materials.
- The Center offers wireless Internet throughout the facility.
- If you prefer to mail your poster ahead of time, please send it to arrive by Friday September 11, 2009 to:

Viv Hutchison
US Geological Survey - WFRC
6505 NE 65th Street
Seattle, WA
98115
(Phone) 206-526-6282 x329

Thank you for participating in this year's conference.

See you in Seattle!

It's Time to Vote!



Officer Elections

The Member-At-Large and President-Elect officer positions are open this year, and you will find photos and biographies of the candidates for those positions on the OFWIM website (www.ofwim.org).

Proposed Bylaws Changes

An ad-hoc Bylaws Committee was convened this year to complete a thorough review of the OFWIM bylaws and recommend changes to update the document and bring it in line with current technology and organizational needs. The changes were made available for comment to the OFWIM membership in July, and comments received by the Bylaws Committee were incorporated into the final proposed changes shown on the voting page of OFWIM website. All changes are explained in comments boxes to the right of the text.

If the proposed changes to the bylaws are approved by the membership, they will go into effect January 1, 2010.

How to Vote

All OFWIM members in good standing are eligible to vote for the officer candidates and bylaws changes.

Voting is available online starting August 14, 2009 and closing September 11, 2009.

We encourage all OFWIM members to vote online! To cast your vote online, please visit the OFWIM website (www.ofwim.org), where there is a prominent link to the voting page.

Voting by paper ballot will be available during the Annual Business Meeting at the 2009 OFWIM Conference on Wednesday, September 16.

***Time to VOTE,
OFWIM
Members!***

Google App Engine: A Foray into Cloud-Computing

Two years ago, the OFWIM Data Standards and Technology Trends committees were combined into one entity. The respective goals are to compile and distribute biological data standards and update the OFWIM membership on up-and-coming technologies. In an effort to combine these goals, we have developed a draft website (<http://ofwimds.appspot.com>) to serve as a method for displaying and submitting data standards appropriate to fish and wildlife interests using a new technology, Google App Engine (GAE).

On April 7, 2008, Google released Google App Engine, “a developer tool that enables you to run web applications on Google’s infrastructure.” In more general terms, this is an effort to bring “cloud-computing” to organizations by allowing web applications and accompanying databases to be hosted on Google’s many servers. Amazon has a similar offering with its SimpleDB web services, but it is beyond the scope of this article.

GAE is more powerful than the traditional method of simply hosting a collection of relatively static web pages. For instance, developers have created applications such as an online database of nutritional information, a web-based music player, or a carpool finder. These applications have dynamic content, often requiring large amounts of data to be stored. Since these applications use Google’s databases and infrastructure, they can expand to handle anywhere from a few users to millions of users!

How it works

GAE applications are run using server-side code written in either Python or Java. Development occurs on your computer using a free software development kit (SDK) which provides a development and testing environment. Once the application is completed, you can upload it to Google’s servers and into production. Deployment requires a (free) GAE account, and you can develop up to 10 applications on that account.

Google also supports the use of Django templates to make dynamic authoring of web content easier (although these templates are not essential to developing a GAE web application). These templates allow you to reuse HTML code and populate only those portions of a page that change (e.g., displaying search results, updating blog entries, etc.).

Google also allows you to authenticate users of a website using a Google Account (free). Therefore, if you would like to restrict access to all or some portion of the website, you can require users to log in and determine access level based on the user. You may also use Google Accounts to store user-specific information and restrict access to this information to the owner of the data.

Even without programming experience in either Python or Java, building a simple application is still possible. There are many resources to get you started, including extensive documentation, several Google Groups to peruse when you are having troubles, and a Cookbook section with programmatic solutions to common problems.

Con’t on next page....



Technology

Trends

Committee

Article

By

Scott Anderson,

North Carolina

Google App Engine: A Foray into Cloud-Computing, con't

Biological Data Standards

Armed with these resources, a little bit of time, no knowledge of Python and very little web development experience, I developed and deployed a website for categorizing and displaying biological data standards (<http://ofwimds.appspot.com>). Users can either browse the data standards or sort by category, and will soon be able to search the data standards. While anyone can view the data standards, one is required to log in to submit a data standard for review. Submissions are emailed to a moderator, and upon approval, the data standard will be posted on the website.

This website required approximately 2 weeks of development time. At a minimum, anyone wishing to develop an application using GAE would benefit from programming experience (preferably in Python or Java) and experience developing web pages. The many resources mentioned above are key to getting through the initial steep learning curve.

Pros and Cons

GAE development requires a substantial investment in learning all the new technologies (Python, Django, etc.). This took the bulk of the development time, even with the bounty of resources provided (see above). GAE developers are also required to use Google's distributed storage system (called BigTable). BigTable is vastly different from the more conventional and familiar relational database model, and requires a shift in thinking to use efficiently. Because of this, GAE is not a good candidate for upgrading existing applications.

The best benefit is that GAE is free, but there are restrictions on how much usage the application gets. If the application exceeds these thresholds, you can pay to support higher usage. However, this is also where the strength of GAE lies. As your application becomes more popular and more computing resources are required, it should scale up seamlessly and without modification. Also, Google has gone to great lengths to provide resources to developers (see above), which makes the steep technological learning curve more manageable.

Overall I found that GAE is a great resource that can allow you to create a robust web application with very little experience. If you are planning to implement a public-facing web application that could potentially be used by many users, I recommend looking into it. If you have any questions or comments about the biological data standards website or my experience with Google App Engine, feel free to contact me (Scott Anderson - scott.anderson@ncwildlife.org).

—Scott Anderson, Data Standards/Technology Trends Committee



Technology

Trends

Committee

Article

By

Scott Anderson,

North Carolina

OFWIM Committee Reports...

OFWIM Data Standards and Technical Trends Committee Report

This year, the Data Standards/Technology Trends Committee has several accomplishments to report. In our effort to update the OFWIM community on trends in technology, members of the committee have written 3 articles for the newsletter and hosted a webinar in conjunction with the Education committee. In addition, committee members finalized a categorization scheme for data standards, and developed a draft website allowing anyone to view and search for biological data standards. The website will also allow users to log in and submit data standards for posting on the website.

In the next year, we hope to further develop the website for wider distribution, and promote submission of any and all data standards that pertain to the biological sciences. If you have a chance, please check out the website (<http://ofwimds.appspot.com>), and send any comments to Scott Anderson (scott.anderson@ncwildlife.org).

Accomplishments

Newsletter Articles

- Wildlife Agencies Overrun by “Anti”Biotics – Don Katnik
- Response: Wildlife Agencies Overrun by “Anti”Biotics – Sabra Schwartz
- Google App Engine: A Foray into Cloud Computing – Scott Anderson

Hosted Webinar

- ArcGIS Tips and Tricks – Sept. 11 2-3:30pm

Biological Data Standards website (<http://ofwimds.appspot.com>)

Communications Committee:

The Communications Committee is responsible for creating newsletters (3-4 per year) for distribution to the OFWIM community. This year, 4 newsletters were produced: January, March, June, and August. Each newsletter contained information of interest to the OFWIM membership, and contributions were made from the Committee Chairs, the Executive Committee, and the OFWIM community. One special issue was developed for the officer voting; thanks goes to Robin Carlson for developing it.

In addition to newsletters, the Communications Committee is responsible for sending out periodic email to the membership, and helping to coordinate special events such as webinars and use of the portal. This year there were 5 webinars to coordinate using WebEx, that the Training and Education Committee organized. Many emails were sent out at the request of the ExCom and the Committee Chairs.



OFWIM Committee Reports...

Committee Report: Training and Education Committee

The OFWIM Training and Education Committee (TEC) began its work in earnest in February 2009 with a Kickoff Discussion of ideas for its '2009 Goals and Objectives' (starting with review and modification of the previous year's goals and objectives), leading to a posting of the committee's revised 'Goals and Objectives' in March of 2009.

A main focus of the Training and Education Committee for 2009 was to investigate the potential of Internet-based training for the OFWIM community. The webinars to follow were facilitated by Lisa Zolly and Jennifer Carlino (USGS/NBII). Various TEC members took turns hosting these webinars.

Several initial webinars were first provided by Lisa Zolly and Cassandra Harrison on the use of the USGS/NBII Portal (an overview) for TEC members, the OFWIM Executive Committee and other OFWIM Committee members that chose to participate.

In early Spring the OFWIM TEC collaborated with the PAD-US Design Project through Larry Orman (GreenInfo.org) to provide a series of three webinars on the Protected Areas Database of the United States 'Design Project' efforts to develop a consistent nationwide geospatial database on protected areas (www.protectedlands.net). Webinars were conducted on March 24th, March 31st and April 16th of 2009, with varied numbers of OFWIM members participating from across the United States.

The Training and Education Committee also set up and conducted webinars for July 2009 (Google Maps/Earth Applications; hosted by Mark Brunner) and August 2009 (Editing in ArcMap: Taking the Pain Out of Digitizing; co-hosted by Donald Katnik and Scott Anderson). The July webinar featured a behind-the-scenes look at the geospatially enabled internet applications of the Kentucky Department of Wildlife Resources (Keith Wethington), the USGS/NBII (Megan Hines) and the Pennsylvania Boat and Fish Commission (Michael Bialousz). Kudos to the three presenters for delivering thought-provoking discussions of their development efforts. For the August webinar, Don Katnik (Maine) and Scott Anderson (North Carolina) shared their time-saving discoveries regarding the use of ESRI's Geographical Information Systems in development of datasets for their wildlife resource agencies.

Aliya Ercelawn and Bob Deitner are each pursuing additional webinars that may be presented in the near future. Look for anticipated announcements on these possibilities.

TEC member Lila Borge Wills helped scope out the possibility of a 'Habitat Values' workshop for inclusion in the OFWIM 2009 Conference and Annual Meeting in Seattle. Schedule conflicts of the potential presenters, uncertainty in the level of OFWIM member interest in the topic, and pending travel restrictions ultimately precluded us from being able to offer such a workshop. But we do thank Lila for her efforts in investigating the possibility.

Con't on next page....



OFWIM Committee Reports...

Committee Report: Training and Education Committee, con't

The TEC members contributed several articles to the OFWIM Newsletter during 2009.

All in all, the OFWIM Training and Education Committee conducted 6 (nearly monthly) conference calls (02/10/09; 03/04/09; 04/07/09; 05/12/09; 07/14/09; 08/06/09) in pursuing their goals and objectives for 2009. The TEC Chair also participated in semi-monthly briefings of TEC committee activities to the OFWIM Executive Committee. I thank all of our committee members for their interest and diligence in pursuing the committee activities this year. A special 'Thanks!' goes to Lisa Zolly for her support during our committee's exploration of the technological capabilities that could enable OFWIM to provide distance learning options to its membership. A number of documents have been posted to the OFWIM Community / Training and Education Committee 'Project' of the portal.



OFWIM Vision and Goal Committee – Annual Report

The Ad Hoc Vision and Goals Committee of the Organization of Fish and Wildlife Information Managers (OFWIM) was tasked with formulating a Vision statement and identifying goals to achieve that vision. Participants in the committee include Daren Carlson, Becky Gwynn, Lila Borge-Wills, Dean Jue, Yan Hong, Robin Carlson, and Mark Brunner.

An initial survey of the OFWIM membership was performed prior to the 2008 conference with preliminary results presented at the conference. The committee met in April, 2009, to go through those results in more detail. The outcome of that meeting was identification of key words and phrases that were felt to best represent the OFWIM vision. Committee members were then tasked to put together candidate vision statements to share with the other committee members for discussion at the next meeting.

The committee met again in August, 2009, to come up with candidate vision statements to present to the OFWIM membership. We were all reminded that a vision statement identifies the future or what the organization wants to be (or the role it wants to serve). After an excellent discussion the committee decided on four statements to present at the 2009 conference.

- To be a bridge between resource and technical disciplines in order to effectively apply technology to the information and data needs of natural resource management.
- To be a forum for sharing the best management practices for resource information handling so individual agencies and organizations can benefit from the lessons learned of the group.
- To promote partnering, collaboration, and best management practices on common information technology projects among natural resource agencies and organizations.

There was discussion about whether to have just one vision or several or have one with sub-statements broken out. We decided to present the statements for discussion and have them available at the Hackers Ball to solicit comments and suggestions with a decision to be made at the end of the conference.

The next phase for the committee will be to identify goals in the form of steps to take to achieve the OFWIM Vision. We plan getting input from the membership at the annual conference to start this process.

OFWIM Committee Reports...

OFWIM Membership and Outreach Committee: 2009 Business Meeting Report

Goal 1: Maintain/Increase memberships for 2009

Accomplishments: Individual and Organizational memberships were slightly lower this year than the average membership for the past five years. The committee plans to begin a nationwide membership drive this fall to increase membership in 2010.

Year	5-yr avg.	2009	2008	2007	2006	2005
# of Individual Memberships	18	17	21	17	12	24
# of Organizational Memberships	13	10	15	16	13	11

Thanks goes to Lisa Zolly for maintaining the OFWIM membership database

Goal 2: Reactivate the OFWIM Regional Contacts

Accomplishments: The following OFWIM members volunteered to serve as regional contacts for their respective regions: Julie Prior-Magee (West Region), Yan Hong (Midwest Region), Keith Wethington (Southeast Region), Lila Borge-Wills (Northeast Region). These folks all worked hard to distribute the meeting announcement, call for papers, and professional travel grant information to contacts within their region in order to boost attendance at this year's conference and interest in the organization in general.

Goal 3: Award travel grants to assist current and retired professionals attending the 2009 OFWIM Conference.

Accomplishment: Funding for up to seven travel grants was available this year. Six travel grant applications were submitted to the committee; all of the applicants were qualified and were awarded grants. The recipients came from a wide range of states. All are presenting a paper or poster at the conference. See the list of grant recipients below.

Name	State	Presentation	Name	State	Presentation
Borge Wills, Lila	VA	Poster	Hines, Megan	WI	Poster
Carlson, Robin	CA	Oral	Schrupp, Donald	CO	Oral
Fleming, Julie	MO	Oral	Stys, Beth	FL	Oral

Other highlights:

Thanks to Robin Carlson for her outreach efforts at the 2009 Annual Conference of the American Fisheries Society, held in Nashville, TN in September. Our OFWIM poster was on display at the conference and Robin handed out OFWIM brochures and flyers highlighting the 2010 OFWIM Annual Meeting at Lake Barkley State Resort Park, in Cadiz, KY, a short hour and a half drive from Nashville, TN.

Opportunities like this always help generate interest in OFWIM, so please let the Executive Committee know if you have a similar event where you'd like to help promote OFWIM.



OFWIM Committee Reports...

OFWIM Conference Planning Committee Annual Report 2008-2009

Accomplishments

Communication: The meeting planning committee held regularly scheduled conference calls for a total of eight calls. All recommendations made by the committee were reviewed and approved by the Executive Committee.

Conference Theme and Agenda: The committee selected a theme for the 2009 Conference: Doing More With Less: Leveraging Resources and Technology Through Partnerships. The committee also developed the suggested presentation topics that were listed on the Call for Papers. The committee developed, reviewed and updated the conference agenda, proceedings, and all related conference program materials.

Conference Speakers: The committee suggested and invited the following speakers:

Welcome to Washington - Viv Hutchison

Keynote Address - Cy Smith

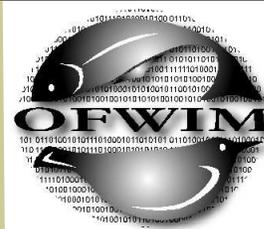
Banquet Speaker - Sue Rooney (special thanks to Bruce Schmidt)

The committee also helped to find additional speakers to fill important sessions at the conference.

Banquet: Early in the year, the committee created a list of potential banquet locations in the Seattle area and ultimately selected the Space Needle. The committee selected the menu items for the banquet and developed transportation information for the venue.

Field Trip: Early in the year, the committee created a list of potential field trips. The committee investigated the logistics and costs for each of the trips and with the local assistance of Viv Hutchison, the USGS Marrowstone Field Station and Olympic National Park field trip destination was finalized. The committee finalized scientific presentations and transportation details for the trip.

General Logistics: The committee organized printing of the conference program and badges. The committee finalized the menus, including the Hacker's Ball and the banquet. Finally, the committee organized the room set-up, sound system, computer/projector, internet connections, and sundries such as power cords and tape.



OFWIM 2009 Officers and Committees**Officers:**

President: Robin Carlson	rcarlson@dfg.ca.gov
President-Elect: Jen (Pollock) Carlino	jcarlino@usgs.gov
Secretary: Lisa Zolly	lisa_zolly@usgs.gov
Treasurer: Kristin Rogers	kristin.rogers@MyFWC.com
Member-at-Large: Don Schrupp	hqwrisk@lamar.colostate.edu
Past-President: Sabra Schwartz	sschwartz@azgfd.gov

Committees:**Meeting Planning Committee**

Chair - Jen (Pollock) Carlino	jcarlino@usgs.gov
Vice Chair - Viv Hutchison	vhutchison@usgs.gov

Communications Committee

Chair - Viv Hutchison	vhutchison@usgs.gov
Vice Chair - Lisa Zolly	lisa_zolly@usgs.gov

Elections, Nominations and Awards Committee

Chair - Beth Stys	beth.stys@MyFWC.com
Vice Chair - Robin Carlson	rcarlson@dfg.ca.gov

Data Standards and Technology Trends Committee

Chair - Scott Anderson	scott.anderson@ncwildlife.org
Vice Chair - Don Schrupp	hqwrisk@lamar.colostate.edu

Membership and Outreach Committee

Chair - Kristin Rogers	kristin.rogers@MyFWC.com
Vice Chair - Lisa Zolly	lisa_zolly@usgs.gov

Training and Education Committee

Chair - Don Schrupp	hqwrisk@lamar.colostate.edu
Vice Chair - vacant	—

Vision and Goals Committee (Ad-Hoc)

Chair - Mark Brunner	mark.brunner@mdc.mo.gov
Vice Chair - vacant	—

Bylaws and Organization Committee (Ad-Hoc)

Chair - Sabra Schwartz	sschwartz@azgfd.gov
Vice Chair - vacant	—



**Join an OFWIM
Committee!**

**Help keep
OFWIM going
strong!**

2009 Individual Membership Form

Use the form below to join OFWIM as a new member or to renew your membership for 2009. Individual Members are entitled to vote in the annual election and hold office. Current members are notified of new newsletters and have access to special OFWIM web content. Current members also receive a discount on 2009 conference registration.

If you work for an organization with 4 or more individuals interested in OFWIM membership, you may benefit from obtaining an Organizational Membership. Information about Organizational Membership can be found at: <http://www.ofwim.org/org/membership.html>

The 2009 OFWIM annual membership period is January 1, 2009 through December 31, 2009. To become a new member of OFWIM or renew your current membership, please complete and mail the form below with a check or money order for \$25 (in U.S. dollars!) payable to **OFWIM**, to:

Kristin Rogers, OFWIM Treasurer
c/o FL Fish & Wildlife Conservation Commission
7922 NW 71st Street
Gainesville, FL 32653
(352) 955-3211 x101

OFWIM 2009 Membership Form

Name: _____

Agency: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone:(_____) _____ Fax:(_____) _____

Email: _____



<http://www.ofwim.org/>

Your agency is invited to join!

Become an Organizational Member of OFWIM

The Organization of Fish and Wildlife Information Managers (OFWIM) is a non-profit professional organization whose goal is to promote the management and conservation of natural resources by facilitating technology and information exchange among fish and wildlife information professionals. An affiliate of the International Association of Fish and Wildlife Agencies (IAFWA), OFWIM was formally established in 1993. In achieving its mission, OFWIM emphasizes coordination, outreach, technical assistance, and continuing education. Members of OFWIM include GIS specialists, database managers, biologists, web developers, programmers, researchers, and others who manage information and technology related to fish and wildlife resources.

Benefits include:

- ✦ Quarterly Newsletter
- ✦ Discount on registration for the OFWIM Annual Conference
- ✦ Access to the OFWIM content management system, an internet resource for sharing information and facilitating discussion among fish and wildlife information managers
- ✦ Access to the OFWIM-L e-mail listserv

Networking and professional development opportunities for fish and wildlife information management professionals

Government agencies, non-governmental organizations, and other groups whose mission involves management of fish and wildlife populations or habitat, are encouraged to become OFWIM Organizational Members. Each Organizational Membership costs \$100 and entitles the organization to 6 OFWIM Individual Memberships, with full member privileges. Individual Memberships are also available at the cost \$25 per year. An Organizational Membership form is now available on the website.

<http://www.ofwim.org/org/OrgMembership.html>

ORGANIZATION OF FISH AND
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Member Reminders

See you in Seattle!

**Thank you to all who submitted
information and articles to this
issue of the OFWIM news!**



**OFWIM Conference
September 14-17, 2009
Seattle, WA**

OFWIM 2009