



Environmental Literacy and Workforce Development

2014-2017 Impacts and Accomplishments

- Between 2010 and 2013 MASGC-supported education programs reached more than 1,500 teachers who took part in professional development programs, almost 95,000 K-12 students who participated in on-site field-based programs, and more than 70,000 K-12 students who participated in off-site experiential programs. (2014) 21194
- Approximately 1,000 students and teachers engaged in events focused around robotic marine technologies and autonomous underwater vehicles at MASGC-supported education facilities. (2015) 23434
- Students and teachers integrated learning opportunities into existing science and math curriculum through MASGC-supported workshops, and site visits focused on hands-on aquascience activities in the classroom. (2017) 26648

- An MASGC-supported education program worked with marine science teachers and the Alabama State Department of Education to develop new standards for a high school level class in marine science. (2015) 23438
- Almost 12,000 students and teachers increased their marine and environmental science and Science Technology, Engineering and Math literacy by participating in environmental field-based education experiences through MASGC-supported programs. (2015) 23430
- MASGC-supported vessel trips engaged 6,475 middle- and high-school students who saw estuarine habitats, learned about estuarine organisms and reflected on their impacts on coastal areas. (2016) 23862
- MASGC-supported environmental education partners offered hands-on and virtual in-school experiences that reached more than 8,700 underserved and other P-12 students unable to directly visit the coastal, field-based environmental education centers. (2016) 23864
- During the period 2014-2017, more than 70,000 P-12 students increased their environmental literacy and understanding of healthy coastal ecosystems, fisheries and resilience through participating in MASGC-supported experiential field-based education programs. (2017) 26666
- Sea Grant-supported educators hosted student-focused competitions that reached approximately 750 students and 500 teachers and adult volunteers. (2017) 26664

- Mississippi-Alabama Sea Grant communications engaged constituents and raised awareness of Sea Grant programs and efforts through social media platforms. (2017) 26534
- Mississippi-Alabama Sea Grant Consortium's communications support to the Gulf-wide oil spill science outreach program enabled the team to improve efficiency and consistently produce a variety of outreach products to address audience needs. (2017) 26592
- The Mississippi-Alabama Sea Grant Consortium's outreach, education staff connected with thousands of constituents through its weekly blog. (2017) 26589
- The Mississippi-Alabama Sea Grant Consortium created short videos about coastal issues, which potentially reached hundreds of thousands of residents during a popular outdoors show on a PBS TV station in Pensacola, Florida, a morning TV news station in Mobile, Alabama, and Mississippi-Alabama Sea Grant's YouTube channel. (2017) 26577

- MASGC-supported researchers and staff created and shared 66 outreach products that translated complex research and legal issues and address other coast-related topics. (2016) 23858
- MASGC's communications department edited more than 400 documents and submitted 328 publications to the National Sea Grant Library. (2017) 26570
- While continuing to serve target audiences in its home region, the Gulf of Mexico Sea Grant oil spill science outreach program expanded its reach nationally and internationally. (2017) 26639
- MASGC outreach and education team reaches more than 10,000 people through 10 topical newsletters. (2017) 26781
- In fewer than four years, a regional oil spill science outreach program created and delivered a diverse library of 21 extension publication to answer agency and industry questions. (2017) 26640

- Between 2010 and 2013 almost 300,000 individuals increased their awareness of coastal and inland ecosystems, environmental issues and the impacts of human activities through exhibitory and activities at the MASGC-supported education-based facilities. (2014) 21405
- More than 74,000 Gulf residents and visitors learned about Gulf habitats and organisms and issues affecting Gulf coastal regions because MASGC-supported education programs participated in more than 100 outreach events. (2015) 23433
- MASGC-supported educational programs participated in environmental events (festivals, nature center activities, etc.) and reached 152,000 people with information on coastal ecosystems, coastal resources and human impacts. (2016) 23865
- Public presentations in Mississippi and Alabama expanded the public's knowledge on sustainable fisheries, current coastal research, oil spill impacts and resilience, increasing environmental literacy for more than 1,400 individuals. (2016) 23866
- Exhibits on coastal and inland ecosystems and issues at MASGC-supported education facilities offered an engaging, entertaining and efficient method to deliver content and recent research findings to more than 80,000 members of the public. (2016) 23436
- MASGC led or co-led the Mississippi-Alabama Bays and Bayous Symposium in 2014 and 2016, which allowed 670 scientists, professionals and students to network with others and learn about local, relevant coastal research in the northern Gulf of Mexico. (2017) 26475
- During the period 2014-2017, MASGC-supported educators used exhibitory, environmentally themed events, public lectures and other activities to expose more than 550,000 people to ecosystems, environmental issues and the impacts of human activities. (2017) 26663
- The Mississippi-Alabama Oyster Trail raised awareness and funds for MASGC's Mobile Bay Oyster Gardening Program's restoration efforts. (2017) 26466

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- During the period 2014-2018, approximately 1,500 educators increased their environmental literacy and knowledge of healthy coastal ecosystems, fisheries and coastal resilience through MASGC-supported field experiences, workshops and educational programs. (2017) 26667
- More than 360 education professionals improved their Deepwater Horizon Oil Spill content knowledge by participating in videoconferences and classroom activity demonstrations. (2017) 21407

- The one-time economic impact of Mississippi-Alabama Sea Grant-supported graduate education for 2014-17 was more than \$12M based on a 30-year career for master's and Ph.D. graduates. (2017) 26212
- During the 2014-2017 reporting period, MASGC-supported students earned 4.5 Ph.D. degrees, 8.5 master's degrees and 2 Juris Doctorate degrees across focus areas. (2017) 26212
- From 2014-2017, MASGC supported 6 Knauss Marine Policy Fellows and 1 National Marine Fisheries Population Dynamics Fellow. (2017)

- People whose livelihoods depend on a healthy Gulf of Mexico turned to MASGC for answers to their questions about oil spill impacts and response, which dispelled misperceptions that caused anxiety and uncertainty. (2016) 23890
- A regional oil spill science outreach program addressed audience needs and created and delivered science extension products to thousands of people in the Gulf of Mexico region. (2017) 23891
- MASGC-based members of the Sea Grant Oil Spill Science Outreach Team led the team and supported its communications needs through numerous methods, including various types of publications, seminars and webinars, while working with audiences in the Gulf and around the country. (2017) 26643
- The Gulf of Mexico Sea Grant programs implemented a regional oil spill science outreach program, delivered science extension products to thousands of people throughout the nation and earned a funding extension. (2017) 26638
- Multiple agencies and industries used oil spill science extension information to make informed decisions. (2017) 26260
- In less than four years, the Gulf of Mexico Sea Grant oil spill science outreach program matured to become a trusted resource for current oil spill science, successfully engaging with the target audiences who seek them for credible oil spill information. (2017) 26261

By the Numbers

