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## Impact of the Ocean Waves Workshop on the Marine Science and Technology Community

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# Impact of the Ocean Waves Workshop on the Marine Science and Technology Community

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## 1. Introduction

The biennial Ocean Wave Workshop [1] was initiated during 2011 at the University of New Orleans (UNO) and continues to provide a forum for marine scientists, engineers, military officers, and managers to discuss topics including but not limited to:

- impacts of waves on operations,
- use of wave measurements to support operations,
- development of wave modeling framework to protect life and save property,
- improved coastal resilience from innovative technologies, and
- accessibility of wave information for scientists, engineers, and managers.

The workshop has been conducted in close proximity to the Stennis Space Center, a location with a significant concentration of operational and research oceanographers from organizations such as universities, the maritime industry, and government agencies including NASA, Navy, NOAA, and USGS.

A pre-proceedings of extended abstracts, provided to help prepare attendees, can be accessed online at <http://scholarworks.uno.edu/oceanwaves>. Workshop planners will select four papers for presentation that are intended to provide a basis for guided discussion. Discussions have proven to facilitate brainstorming, interactive learning, relationship building, and problem-solving. A final proceedings is provided online, comprised of extended abstracts, papers, posters, presentation slides, and session notes.

## 2. Impact of Open Access Dissemination

The Earl K. Long Library at UNO uses ScholarWorks@UNO, an open access digital repository, to collect, preserve, and disseminate Ocean Waves Workshop content for a global audience. ScholarWorks resides on the Digital Commons platform, which is optimized for discoverability through search engines such as Google Scholar, increasing visibility and impact. UNO library staff work with the Ocean Waves Workshop planning committee to assign metadata to workshop materials that can then be rapidly shared online. The repository also ensures long-term, stable preservation of workshop content. The archive of workshop material and its extensive worldwide use demonstrate the scientific, social, and economic value of the Ocean Waves Workshop to the marine science and technology community and to other interested researchers.

ScholarWorks@UNO currently shares over 60 articles, posters, presentations, and session notes submitted by workshop participants from government, industry, and academia. Behind the scenes ScholarWorks incorporates

Google Analytics, a Web analytics service, to gather and visualize worldwide readership data for the repository, as indicated in Fig. 1. Google Analytics operates through the use of "cookies", which are text files that contain information such as IP addresses.



Figure 1. The distribution of Ocean Waves Workshop downloads represented readers from 120 countries during the period from March 22, 2011 to July 23, 2019.

Table 1 provides a breakdown of users by government, academia, and industry.

Table 1. Table type styles.

Ocean Waves Workshop	User Groups		
	Government	University	Industry
Downloads	19 %	54 %	24 %

While papers and abstracts are the most frequently downloaded content types, the workshop's session notes, which provide important workshop highlights, have been downloaded 583 times.

In addition to the impacts represented by the download data, citations to the Ocean Waves Workshop Proceedings appear in a number of websites and blogs, as well as in formally published academic research.

## 3. Conclusions

With over 10,000 downloads, ScholarWorks@UNO highlights the scholarly and professional activities of those who have participated in the Ocean Waves Workshop. This rich repository of workshop content encourages new ideas, preserves past knowledge, and fosters new connections to improve maritime activities that are impacted by waves.

## 4. References

[1] Ocean Waves Workshop. Available online. URL: <https://scholarworks.uno.edu/oceanwaves/>. Accessed on July 23, 2019.