SHARK SHARE GLOBAL

Heather Moore Elizabeth MacCready Molly Ostheller

Problem

Sharks are economically and environmentally important, and many are endangered by human impact. 47% of shark and ray species are data deficient.

Collaboration and sample sharing between researchers is hampered by distance and lack of communication opportunities. This results in wasted samples, and wasted research opportunities.





Next Steps +

- Go live for researcher use this summer
- Social media campaign for adoption
- Introduction at researcher conferences

Process

- Catered to shark and ray researchers
- We determined our audience is:
 - Comfortable with basic computer functionality
 - Storing data in spreadsheet formats
 - Not used to online collaboration and concerned about the sample-sharing process
- Our build priorities: maximize reach, minimize maintenance, and run on low cost
- We needed a low barrier for adoption for both the audience and our sponsor
- We needed to set scope boundaries early to accommodate our small team size

Our Sponsor +

Founded by Madi Green and Lauren Meyer Fosters global collaboration amongst shark scientists Funding for the project was provided by a generous grant from:

Madi Gree



• Web app that allows for **collaboration** between scientists

Solution

- Increases confidence in sharing and collaboration by:
 - Putting **attribution of work** and sample ownership at the forefront



- Mimicking existing processes (storage, communication) that researchers are used to, while 'supercharging' them with the new database
- The site is cloud hosted for global accessibility and performance through Amazon Web Services, and is custom built using MySQL and PHP on a Twitter Bootstrap framework

SHARK SHARE OLOBAL Home Search Collection Profile Help Lo						lp Logout	Logout Sample Re			
S	ea	rch Sa	amples	3						
Gen	us:	Species				6)	Sample Type: Location:			
				- Contri	ibuter Name:	Institution:		Sex -	Submit	
K	oques							Search	0 3 8 8.	
		Item Detail					Location			
		Genus	Species	Sample Type	Sex	Preservation Medium	Institution Name	Contributer	Current Country Location	
+		Aculeola	nigra	Fin Spine	Malo	Formaldehyde	University of Washington	Ostholler	United States	0
+		Acuteola	nigra	Fin Spine	Male	Formaldehyde	University of Washington	Ostheller	United States	
+		Beringraja	binoculata	Fin Spine	Female	Dry	University of Washington	Oatheller	United Kingdom	1
+		Beringraja	binoculata	Fin Spine	Female	Dry	University of Washington	Ostholler	Greece	
				Fin Spine	Female	Formaldehyde	University of Washington	Osthollor	United States	



Photo Credit[1][2]: Green, M. and Meyer, L. Shark Share Global, sharkshareglobal.org accessed: 5/14/2016, Problem Statistics: 47% of sharks and rays are at risk: Dulvy, Nicholas K., et al. "Extinction risk and conservation of the world's sharks and rays." Elife 3 (2014): e00590.. Our Sponsor Graphics courtesy of: saveourseas.com/projects/shark-share

