SHARK SHARE GLOBAL

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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:

save our seas foundation

Madi Green

Lauren Meyer

Solution

- Web app that allows for collaboration between scientists
- 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

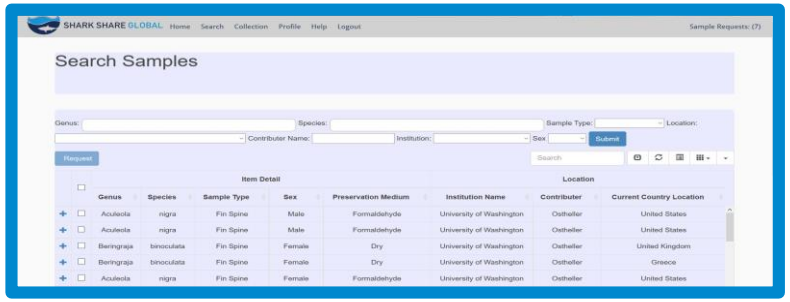

Photo Credit[1][2]: Green, M. and Meyer, L. *Shark Share Global, sharkshareglobal.org accessed: 5/14/2016, Problem Statistics:* 47% of sharks and rays are at risk: Dulvy, Nicholas K., et al. "Extinction risk and conservation of the world's sharks and rays." Elife 3 (2014): e00590.. Our Sponsor Graphics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