System Development
User Interface

Tim Hostetler, Jennifer Chen and the ADS Team

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Current State of the UI

● Tech Stack
  ○ BackboneJS
  ○ ReactJS (some components)
  ○ RequireJS

● Difficult to update
  ○ Custom rendering engine
  ○ Templated, not component based
  ○ No single store in place

● Single-page-application (SPA)
  ○ Problems with SEO
  ○ Custom compiler/bundler setup

● User experience
● Accessibility
Introducing Nectar

- Updated tech stack
  - ReactJS
  - Next.JS
- Easier to update
  - React rendered on client and server
  - Page composition
  - Single app store
- Hybrid web app
  - Automatic route-based bundling
  - Improved SEO
- Improved user experience
  - Design mockups, user testing (?)
- Improved Accessibility
  - Improved structure for keyboard navigation
  - Baked into design
Demo
Work In Progress

- Libraries
- User settings
- MyADS
- ORCiD
Project Nectar and Beyond

● Improve UX and DX
  ○ Easier updates and quicker to implement new features
  ○ Rapid development to support ever evolving project requirements

● Improved accessibility
  ○ Static and manual accessibility audits

● Reach parity with current UI

● Future proofing
  ○ Designs/mockups (feedback loop)
  ○ Plan for more user/usability testing
Questions?