

ASSOCIATION

American Association for the Advancement of Science

Connecting fellows and streamlining data management

The American Association for the Advancement of Science (AAAS) Fellowships program provides annual federal policymaking assignments to more than 100 scientists and engineers.

AAAS Science & Technology Policy Fellowships worked closely with Fionta to develop a better management system for their network of over 3,400 stakeholders. Through implementing Salesforce and Drupal solutions, the organization enhanced its data management and networking opportunities for the American Association for the Advancement of Science (AAAS) Fellowships program.

Tech:

SALESFORCE

DIGITAL SERVICES

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Thank you for the outstanding work you have done with our redesign. We are thrilled with the progress so far and are looking forward to what you show us next.

Pain Points

AAAS faced challenges meeting diverse data management and workflow requirements across multiple functional teams.



01 Limited engagement opportunities

The AAAS Fellowships program required improved stakeholder management to cater to its extensive network. With more than 3,400 stakeholders and over 100 scientists and engineers, they sought streamlined data management solutions to enhance engagement opportunities for staff and fellows.

02 Complex functionality needs

AAAS was responsible for meeting the unique data management and workflow requirements of various functional teams within the organization. They needed a member portal with robust functionality, including activity history, event registration, PTO and travel requests, and more.

03 Drupal 7 to Drupal 8 migration

The project involved updating the Science & Technology Policy Fellowship Program's "Fellows Central" website from Drupal 7 to Drupal 8 while maintaining its complex Salesforce integration, allowing fellows to access a user-friendly online directory and self-service tools.

Project Plan

To address the client's needs, Fíonta conducted an in-depth discovery process to understand the requirements of each team within AAAS. Major customizations were implemented in Salesforce Enterprise CRM, establishing it as the system of record and source of truth.

The development team focused on building a comprehensive Salesforce integration with key platforms like FellowsCentral, Trellis, and the Application Portal, ensuring data synchronization and enhanced functionality.

Custom modules and components were migrated from Drupal 7 to Drupal 8, with the Drupal 7 Bootstrap theme adjusted to work with the pre-purchased Drupal 8 premium theme.

AAAS implemented Single Sign-On (SSO) using the OpenID Connect module in Drupal 8, allowing users to log in with IDP credentials. Fionta performed regular updates, code audits, and optimization measures to improve the overall performance and security of the Drupal platform.

Results

Fionta built customized solutions on a foundation of trusted platforms. Using an in-depth discovery process to uncover requirements of each team and major customization of the Salesforce Enterprise CRM.

The implementation of SSO with the OpenID Connect module in Drupal 8 allows users to sign on with IDP credentials.

Additionally, installation and configuration of Drupal core, module, and theme updates, including periodic code audits and optimization to discover unnecessary redundancy, bottlenecks, and security issues.

Streamlined data management

Salesforce was implemented as a centralized repository, improving information maintenance for staff.

Enhanced member portal functionality

Drupal 8 customization enabled fellows to access of self-service tools and networking features.

Seamless Drupal 7 to Drupal 8 migration

Custom modules and components successfully transferred, preserving existing appearance while leveraging new theme functionality.

