EcoAtlas

Enhancing Regional Capacity for Habitat Restoration Project Tracking, Assessment and Reporting

This project consolidates information from a variety of existing datasets to significantly expand the project tracking functionality in EcoAtlas to include hundreds of habitat protection, enhancement, and restoration projects throughout the Central Valley and San Francisco Bay-Delta regions.

The **Project Tracker** database has been redesigned to better accommodate detailed project information such as acres of distinct habitat types, species benefitted, progress and status, and funding sources. Additional functionality was added to enhance visual displays and queries of the tabular and spatial project data. As new projects are developed and existing projects enter new phases, information can be expanded and updated through the new online data entry forms (ptrack.ecoatlas.org). Additional spatial data layers such as "Modern Delta Habitat Types" allow users to evaluate projects within the context of existing ecological resources and other landscape characteristics and uses. Additional data, querying and mapping functionality will allow for improved analyses of changes in habitat extent, landscape-scale conservation planning, evaluation of progress towards meeting conservation objectives, and partnership building.

By providing the tools needed to track and analyze landscape change, we will improve our ability to strategically conserve important habitats in the future.

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Project Tracking and Mapping

- Expanded statewide project-related tracking of progress towards conservation goals and objectives, including those related to habitats, acres, species, and funding
- Expanded representation of habitat projects in the San Francisco Bay-Delta and Central Valley
- Standardized forms for entering and editing project information, and uploading documents to a project's file repository
- Custom tools for exploring data, filtering the map view, and downloading information and geospatial data
- New data layers, queries and map functionality for better analyses of changes in habitat extent and type
- Web services are used to display projects from other systems, e.g., Lake Tahoe Environmental Improvement Program projects
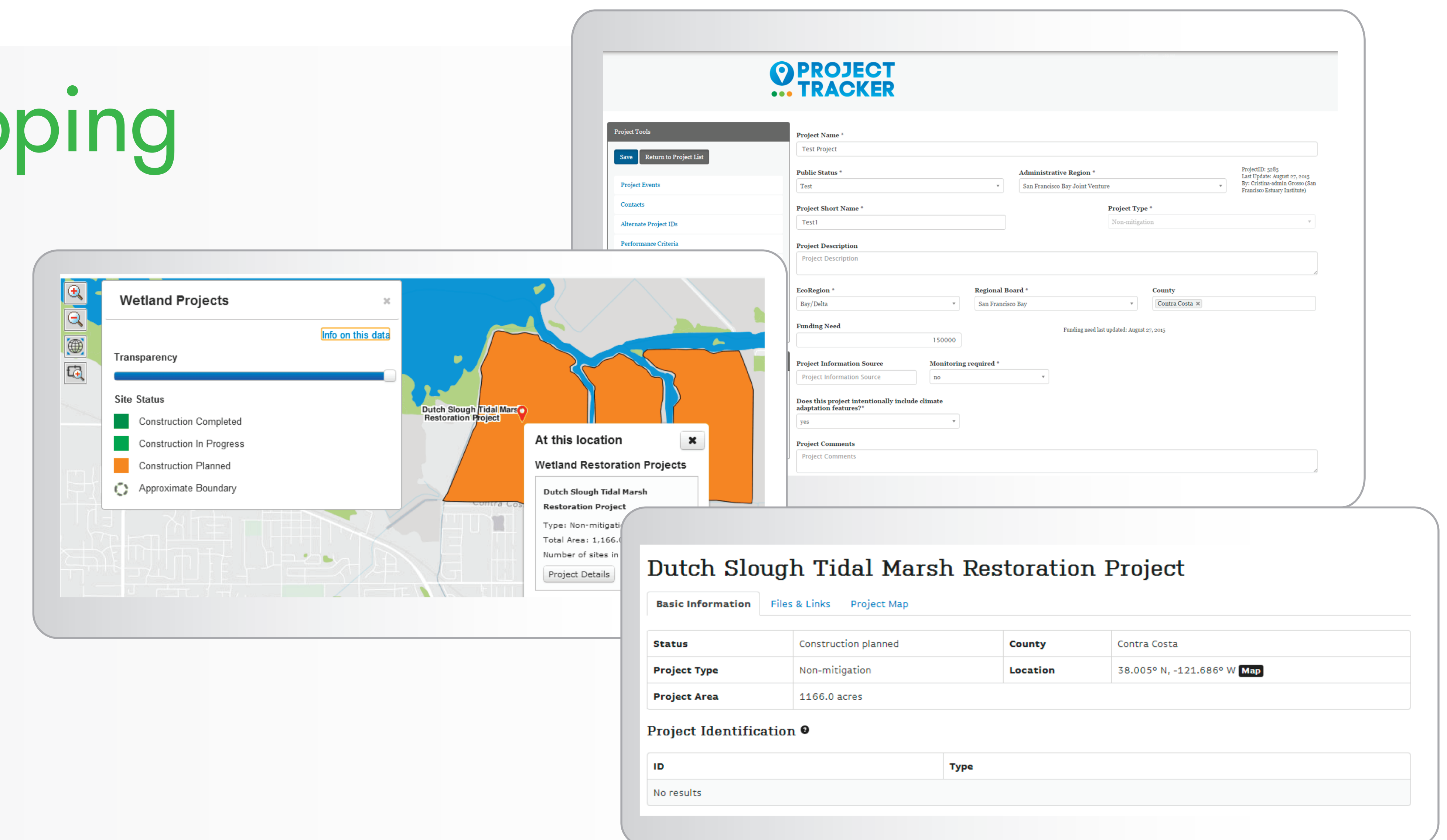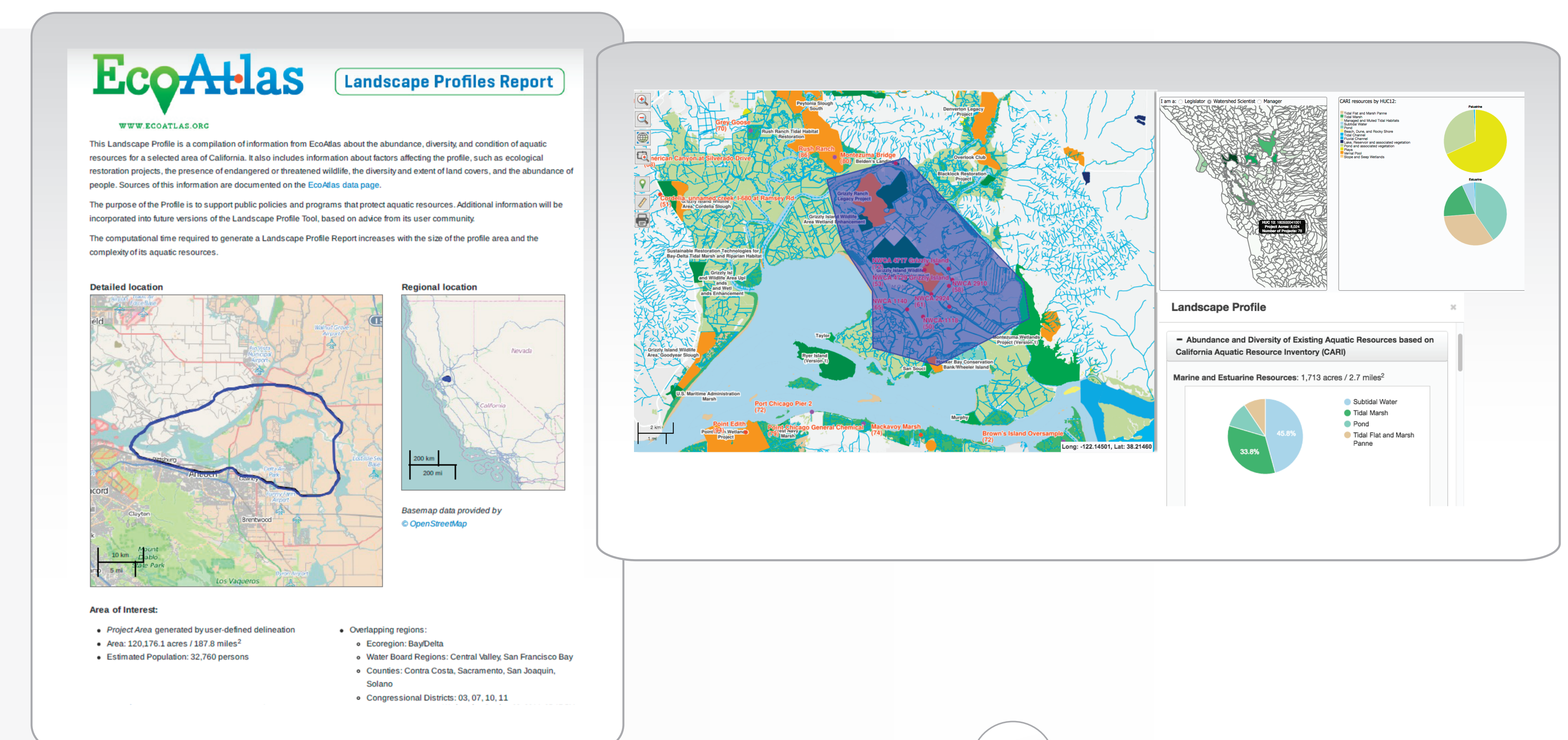

Assessment and Reporting
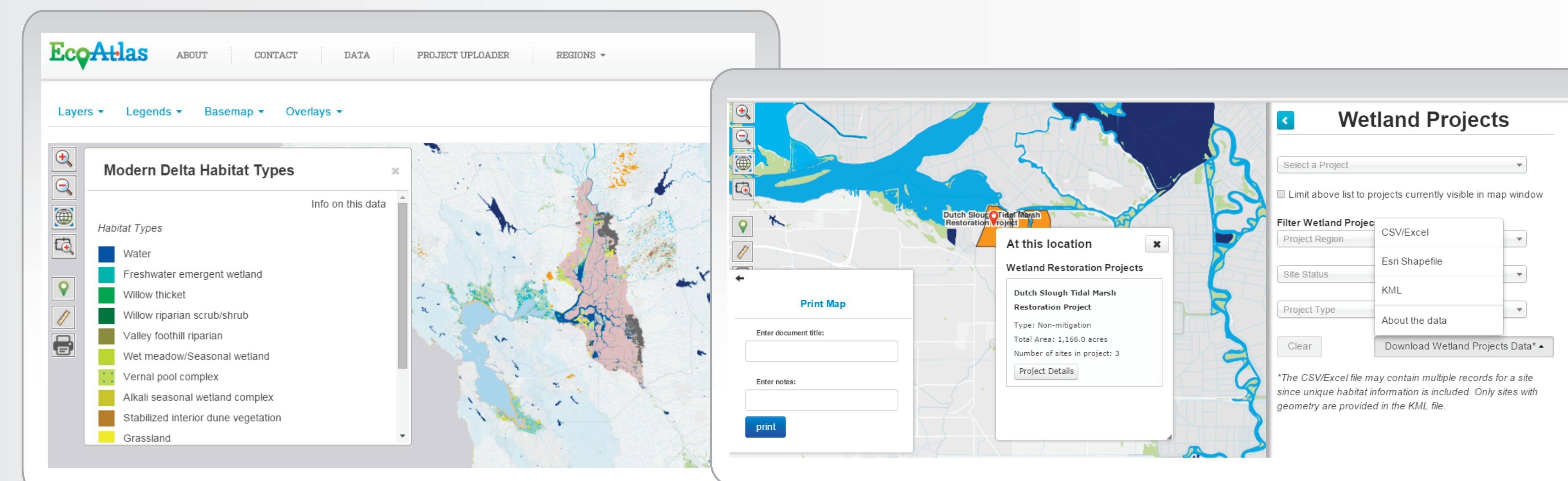
- Reporting tools to assist with landscape-scale conservation planning efforts
- Summarized information to help prioritize habitat projects, leverage restoration resources, build partnerships, and track progress towards meeting conservation objectives
- Flexibility to download data in multiple formats (Excel, CSV, KML, shape file) or view a specific project's information page
- Improved filter tool to customize views by administrative regions and lead organizations
- Habitat development curves to track progress over time and compare projects to regional reference conditions

Coming Attractions

- Expand data visualization and sharing by developing summary dashboards
- Develop business plan for WRAMP (Wetland and Riparian Area Monitoring Plan) Tools to identify a sustainable funding model
- Develop a site mitigation tool to display mitigation projects and their associated impacts
  Track performance measures for Prop 1 projects
- Expand EcoAtlas' web services so projects can be easily integrated into the Delta Stewardship Council's Delta View tool
- Adopt WRAMP Tools for tracking and monitoring new projects as demonstrated by the Lahontan Water Board

Contact: ecoatlas@sfei.org