



How the Yakama Nation is Sharing Fish and Habitat Restoration Information

HONOR. PROTECT. RESTORE.

Background

- One of the largest tribal fisheries programs in the country.
- Species and habitat restoration projects implemented across 13 million acre treaty-trust* natural resource use area.
- We are restoring 6 culturally and economically important fish species and their habitats at thousands of sites across the Columbia Basin.

*Yakama Nation Treaty of 1855 (12 stat. 951) with the United States of America.

Needs

- Document, manage and share summary project information to maximize efficiency and usefulness.
- Comprehensive, intuitive, and flexible information management tools to help answer specific questions.
- Legacy data gradually consolidated and made accessible.
- Connections to improve reporting efficiencies.

Products

User-groups can access information at the level and in the format most useful to them with the materials we are developing. Including:

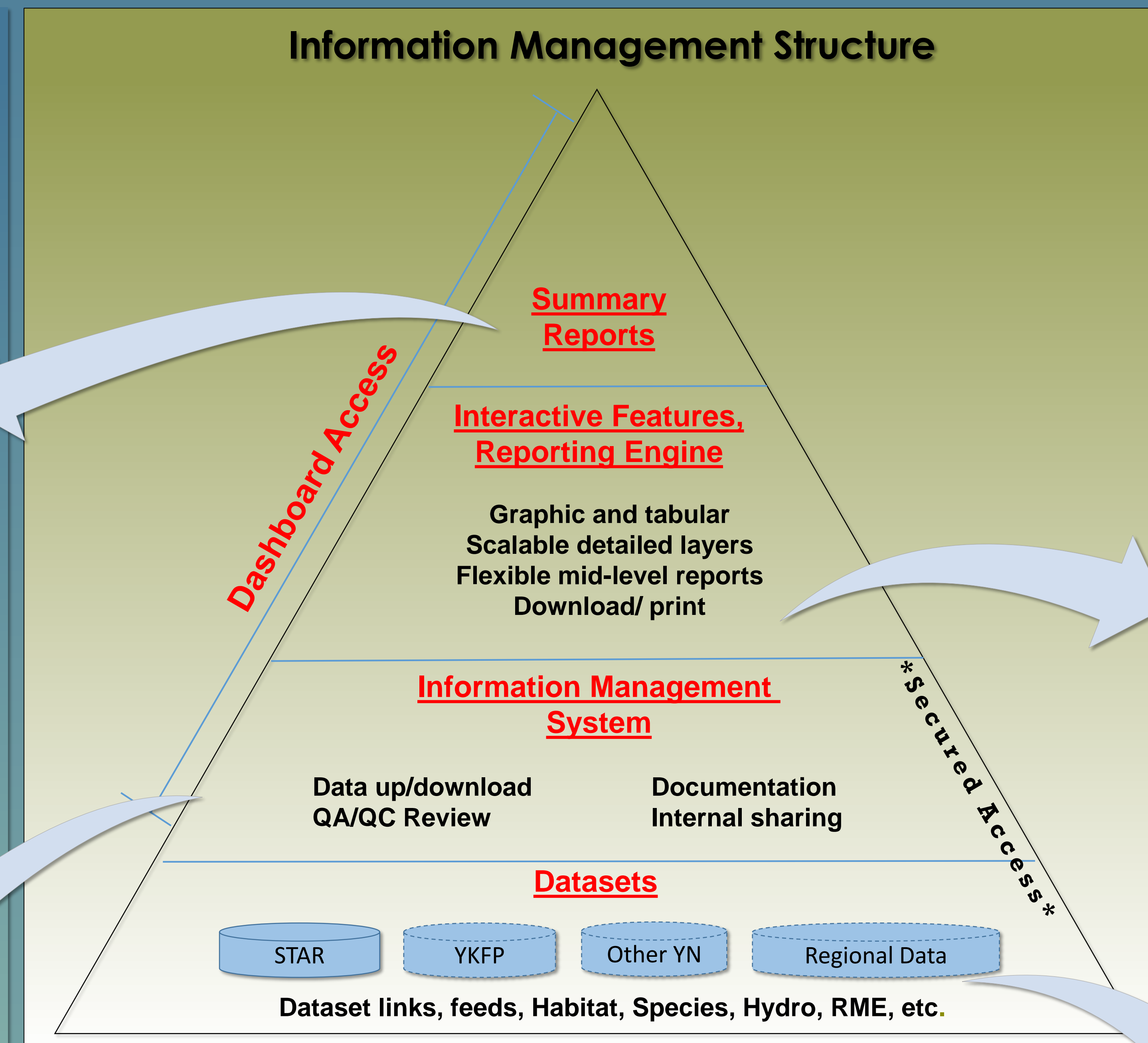
- High-level and comprehensive summary reports
- Drill-down capability of source material
- Interactive maps and queries
- Data management and sharing tools

Processes

- Streamlined processes through connections to regional reporting systems and alignment of datasets.
- Internal online review, QA/QC and approval for sharing of single-source consolidated sources.
- Utilizing the same open-source content management service as elsewhere at YN Fisheries, components can be maintained in-house.

Printed Reports

The printed reports section shows two examples. The first is the '2017 Comprehensive Report', which includes sections for 'Status and Trends Annual Report', 'COMPREHENSIVE REPORT', and various charts and graphs. The second is 'Status and Trends - Habitat', which features a large infographic with statistics: 1,012 locations where work was performed, 48,693 people educated and informed, 20,000+ coho recapturing returns, 236 miles of stream now available to fish following removal of barriers, 108,376 acres of habitat protected/improved, 798 miles of riparian habitat protected/improved, 86 miles of stream habitat improved/created, and 105,695 fish average annual Tribal harvest increase compared to 2009-2007.



Interactive Reports

The interactive reports section shows two examples. The first is 'Status and Trends of Fish and Habitat', which includes a 'Message from the Chairman', 'About this Project', 'Subbasin', 'Data Query and Reports', and 'Restoration Stories'. The second is 'Daily Passage Counts', which shows a map of the Prosser Dam area with counts for Spring Chinook (0), Summer Chinook (2), and Fall Chinook (7). It also shows a bar chart for '2018 Total Returns' and a 'Monthly Totals' chart.

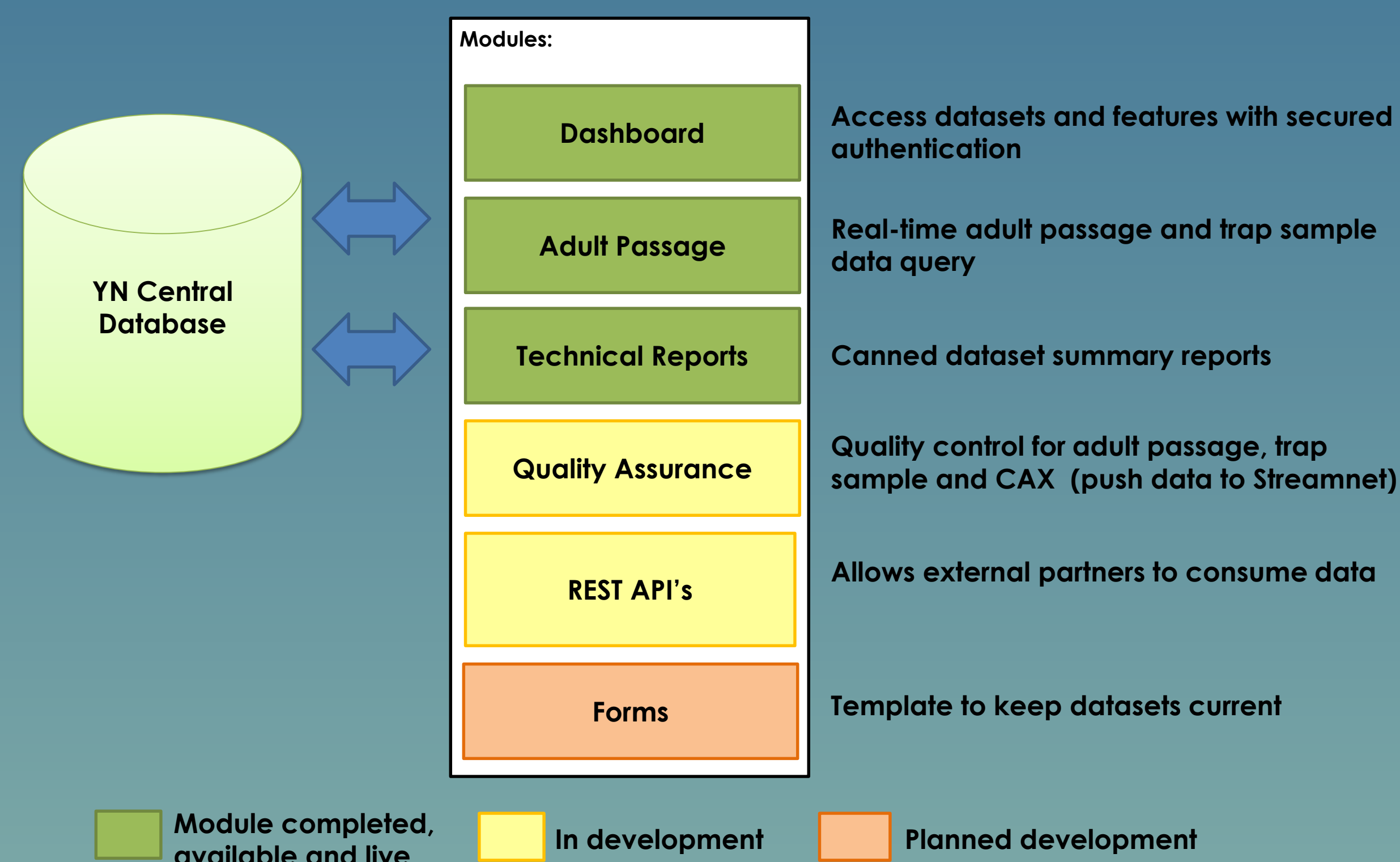
- ### Audiences
- YN leadership and membership
 - Public outreach
 - Regional entities
 - Other stakeholders, partners

- ### Products/ Features
- High-level graphical report
 - Comprehensive printed report
 - Status and trend, project spotlights
 - Implementation summaries

- ### Audiences
- General public, targeted outreach
 - Resource managers, consumers
 - Regional coordinators
 - Special management inquiry

- ### Products/ Features
- Interactive maps and reports
 - High-level summary, drill-down capability
 - Real-time data
 - Project summaries and spotlights

Regional Sharing Tools/ Modules



Reporting Tools

The reporting tools section shows two screenshots. The first is 'QC Form - Trap Samples', which is a data entry form with fields for 'Facility code', 'Species code', 'From Date', and 'To Date'. The second is 'CAX - Yakima Spring Chinook (NOSA)', which is a data review and push tool. It shows a table of data with columns for 'ID', 'Date', 'Time', 'Location', 'Species', 'Status', 'Origin', 'Age', 'Sex', and 'Fork Length'. There are buttons for 'Add', 'Delete', 'Export to CSV', and 'Push to Streamnet'.

- ### Audiences:
- Implementers
 - Biologists
 - Data managers
 - Planners/ coordinators
- ### Products/ Features
- Original datasets and sources
 - Custom queries
 - Dataset upload/ download
 - QA/QC and documentation
 - Password protection/ roles
 - Internal sharing
 - External sharing and pushing
 - Real-time and consolidated data

Dataset Consolidation and Regional Sharing

