

The Data Management Planning subgroup of ITRC's Environmental Data Management Best Practices team prepared an overview fact sheet and five subtopic sheets.

Instructions: Click on the individual buttons within the graphical interactive directory to navigate to each work product shown.

Data Management Planning

[Overview](#)

Subtopic Areas

[Data Governance](#)

[Data Lifecycle](#)

[Data Access, Sharing, and Security](#)

[Data Storage, Documentation, and Discovery](#)

[Data Disaster Recovery](#)

The information presented in the fact sheet and subtopic sheets for this subgroup is supported by the following additional work products that were prepared by other subgroups within the Environmental Data Management Best Practices team. In the Interactive Directory below, work products that pertain to Data Management Planning, whether prepared by this subgroup or a different subgroup, are highlighted to illustrate cross connections between subgroup areas.

Instructions: Click on a highlighted button within the graphical interactive directory to navigate to a work product on that topic.

Data Quality

[Overview](#)

Subtopic Areas

[Using Data Quality Dimensions to Assess and Manage Data Quality](#)

[Considerations for Choosing an Analytical Laboratory](#)

[Analytical Data Quality Review: Verification, Validation, and Usability](#)

Tutorial

[Tutorial: Active Quality Control During Screening-level Assessments](#)

Supplemental Resources

[Data Quality Planning](#)

[Data Quality Review](#)

Environmental Data Management Systems

[White Paper](#)

Field Data Collection

Overview

Defining Data Categories and Collection Methods

Field Data Collection Quality Assurance and Quality Control (QA/QC)

Field Data Collection Process Development Considerations

Field Data Collection Training Best Practices

Interactive Tool: Field Data Collection Decision Tree

Field Data Collection Training Development Checklist

Other Considerations for Field Data Collection

Data Exchange

Overview

Valid Values

Electronic Data Deliverables and Data Exchange

Data Migration Best Practices

Supplemental Resources

Data Exchange and Valid Values

Traditional Ecological Knowledge (TEK)

Overview

Subtopic Areas

Acquiring TEK

Using and Consuming TEK

Managing TEK Data

Geospatial Data

Overview

Management Subtopic

Organization Standards for Geospatial Environmental Data Management

Data Standards

GIS Hardware

Geospatial Metadata

Software

Collection Subtopic

Collection Consistency

Field Hardware

Communication, Visualization, and Dissemination Subtopic

Data Dissemination: Web Format

Geospatial Visualization of Environmental Data

Supplemental Resources

Geospatial Data

Public Communications and Stakeholder Engagement

[White Paper](#)

Supplemental Resources

[Public Communications](#)

Case Studies

Data Exchange Focus

[Historical Data Migration: Filling Minnesota's Superfund Groundwater Data Accessibility Gap](#)

[USGS: Challenges with Secondary Use of Multi -source Water Quality Monitoring Data](#)

Traditional Ecological Knowledge Focus

[Collection and Application of Local Knowledge to Local Environmental Management in Duluth, Minnesota](#)

[Improving Coastal Resilience in Point Hope, Alaska](#)

[Integration of TEK to the Remediation of Abandoned Uranium Sites](#)

[Local Ecological Knowledge of Historic Anthrax in a Natural Gas Field](#)

[Rest in Peace? A Cautionary Tale of Failure to Consult with an Indigenous Community](#)

[Use of TEK to Support Revegetation at a Former Uranium Mill Site](#)

Additional Information

[References](#)

[Acronyms](#)

[Glossary](#)

[Acknowledgements](#)

[Team Contacts](#)

The acronyms, glossary terms, and references cited in these materials are also available on Environmental Data Management Best Practices website.

Return to the complete Interactive Directory of Environmental Data Management Best Practices Team Work Products.