

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.