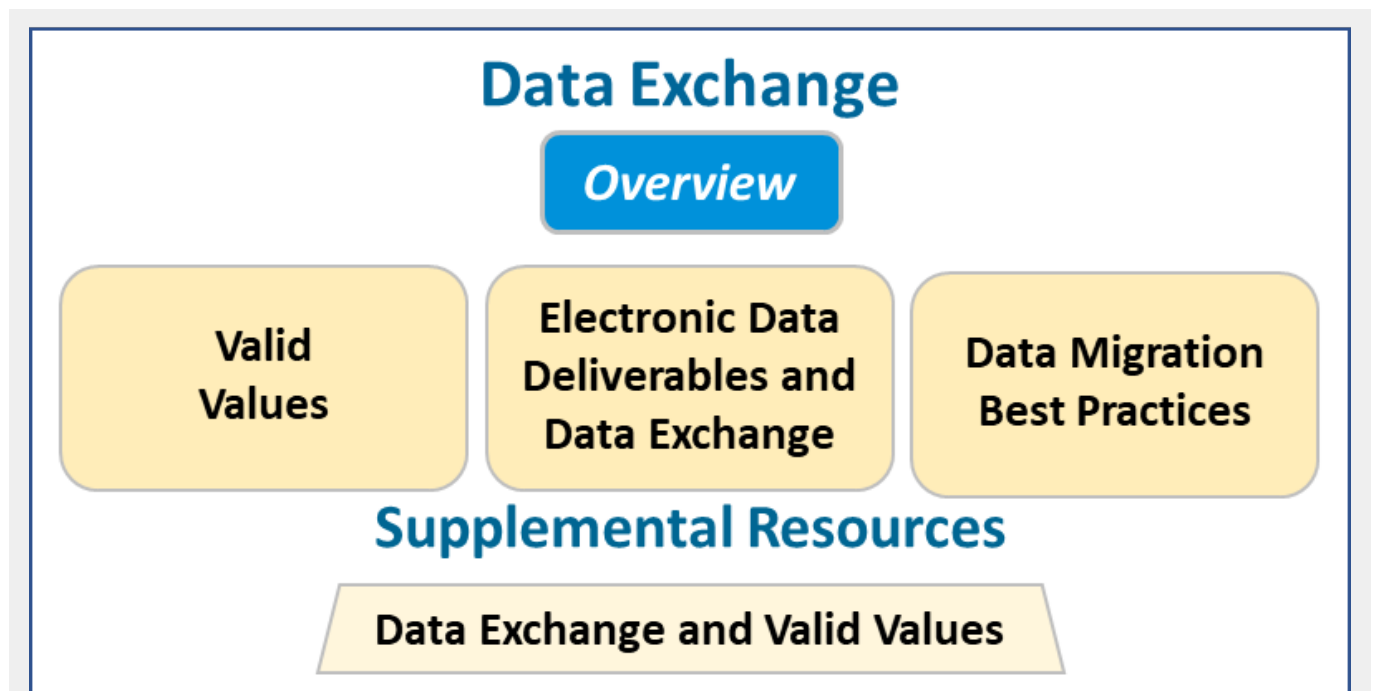


The Data Exchange subgroup of ITRC's Environmental Data Management Best Practices team prepared an overview fact sheet, three subtopic sheets, and a table of supplemental resources.

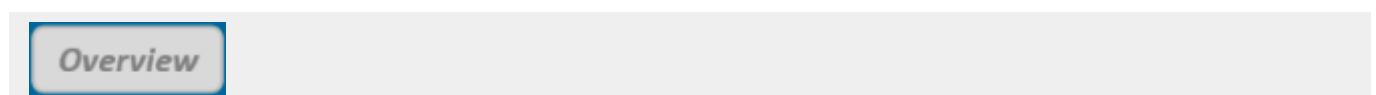
**Instructions:** Click on the individual buttons within the graphical interactive directory to navigate to each work product.



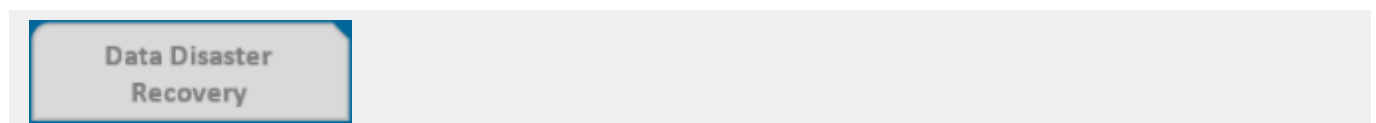
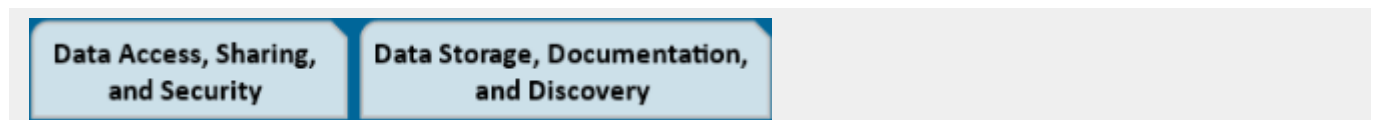
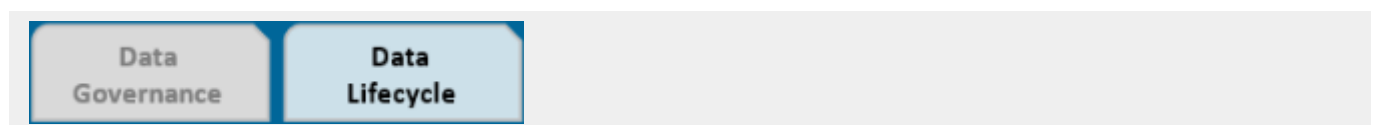
The work products prepared by this subgroup are supported by work products that were prepared by other subgroups within the Environmental Data Management Best Practices team. In the Interactive Directory below, work products that pertain to Data Exchange, whether prepared by this subgroup or a different 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 Management Planning



### Subtopic Areas



## 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.