



YOUR GUIDE TO BETTER DATA:

Introducing the Environmental Data Management (EDM) Best Practices Guidance



Interstate Technology &
Regulatory Council



Environmental Data Management
Best Practices Team



Who is ITRC?

The ITRC is a national coalition focused on developing tools and strategies to reduce interstate barriers to the deployment of innovative environmental technologies. ITRC members include representatives from government agencies, the private sector, academia, and the public.

Why did we develop this document?

To provide best practices for planning, collecting, sharing, and communicating environmental data, while addressing topics like geospatial information and traditional ecological knowledge (TEK). These resources offer practical tools to help organizations strengthen their data infrastructure and support evidence-based decisions.

What is in the guidance?

Data Management: Process of developing data management policies and strategies to effectively acquire and manage data of known quality fit for purpose.

Data Quality: Requirements for data quality (often called data quality objectives or DQOs) depend upon the needs of each project or situation requiring data use.

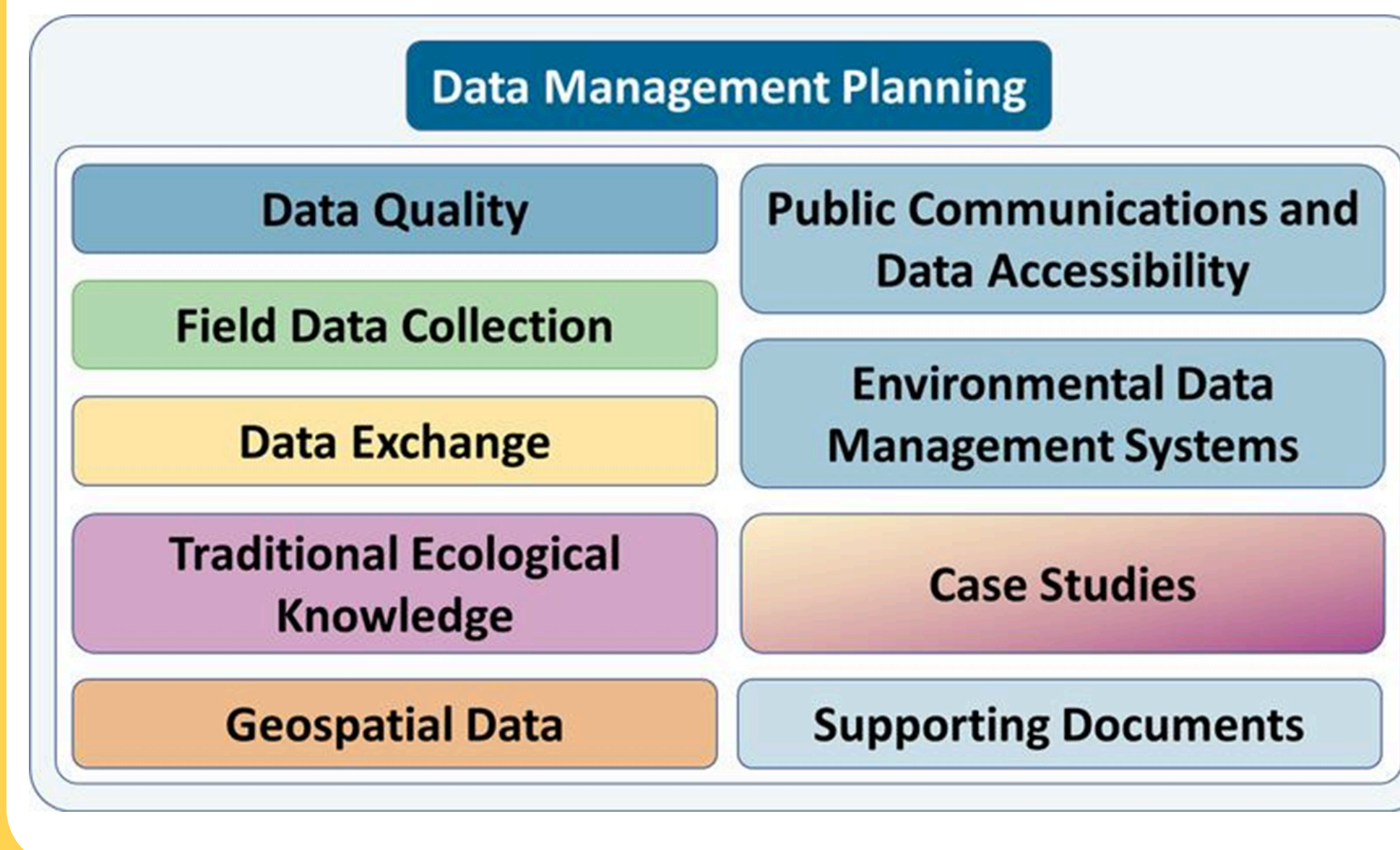
Field Data Collection: Establish best practices for field data collection that will result in efficient and effective management of the resulting data and information.

Data Exchange: Transfer of data between a source and target, often two data management systems.

Learn about Geospatial Data, Traditional Ecological Knowledge, Public Communications, Environmental Data Management Systems, and Case Studies as well!

ITRC EDM Resources

An interactive directory drives you to a series of fact sheets and white papers to help you gain a working knowledge of best practices for environmental data management.



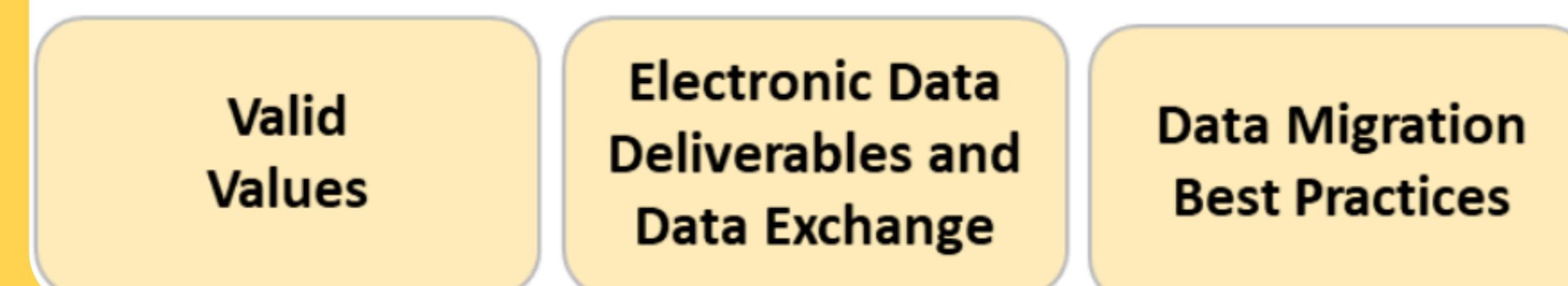
Data Management Lifecycle

A conceptual path to help you consider how data are created, stored, maintained, and retained to develop best management practices for your environmental data needs.



Data Exchange

Overview



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

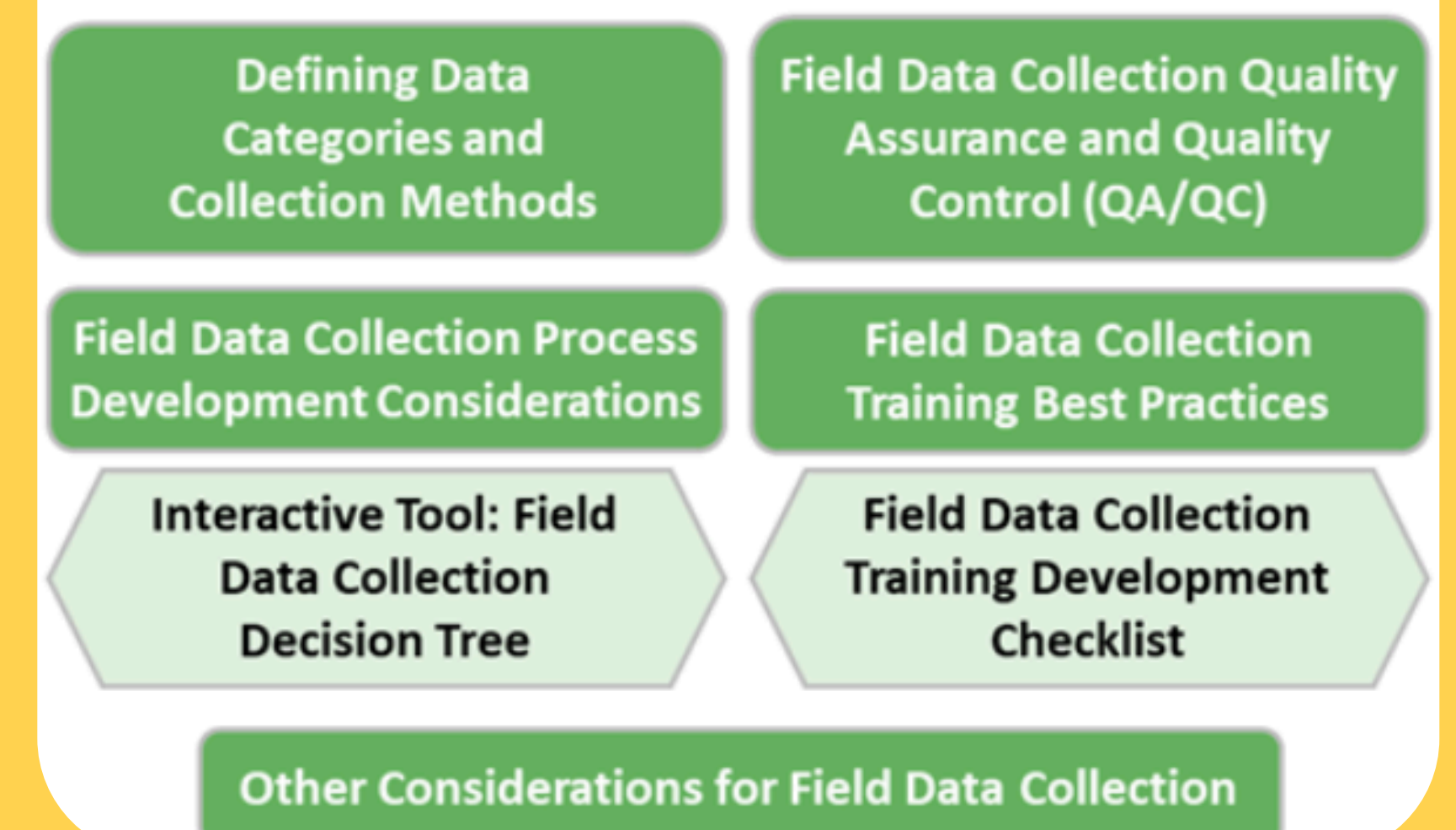
Supplemental Resources

Data Quality Planning

Data Quality Review

Field Data Collection

Overview



Learn More:

itrcweb.org/environmental-data-management-guide