NCER 2016
National Conference on Ecosystem Restoration
Ecosystem Restoration in Action
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Session 19

Improving the Quality and Reliability of Data Collected for Ecological Restoration Projects

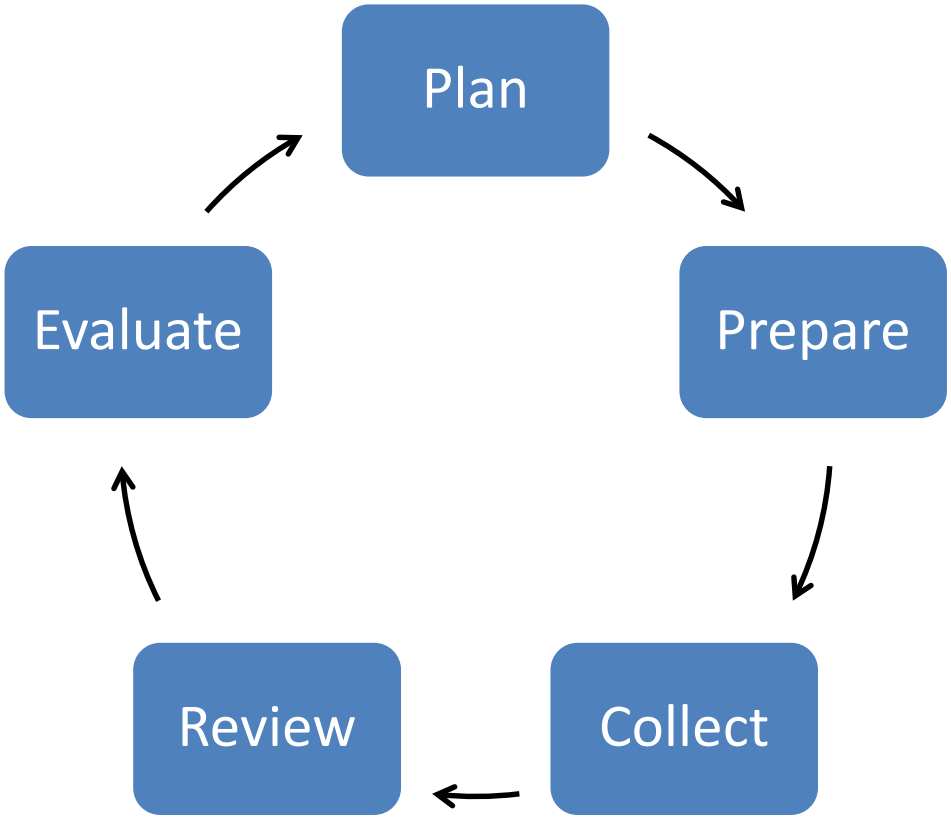
Quality Challenges for Data Collected for Ecological Projects

- Quality for ecological measurements, especially observational data
  - Field data collected by judgment of scientist
  - Estimates (data) are based on senses (vision, auditory)
  - Instruments are not used

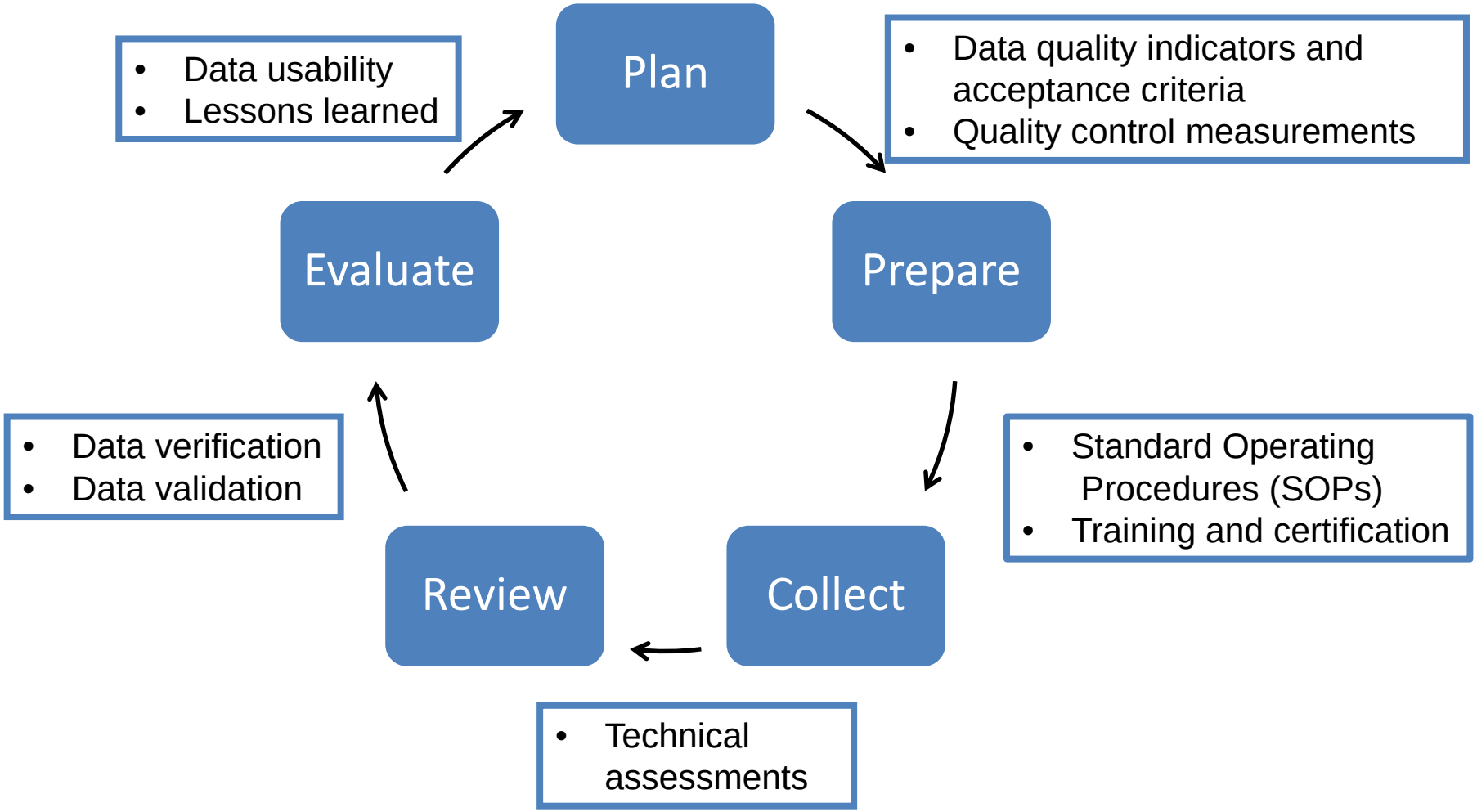
Examples

- species IDs/counts/abundance
- condition/cover classes
- phenology
- gender

Example Project Lifecycle



Example Project Lifecycle with Key QA Components



Presentations

1. Can We Obtain Reliable Data when Implementing Ecological Restoration Projects?
   - Louis Blume, USEPA, Chicago, IL

2. Zen and the Art of Ecosystem Restoration: Assessing Precision and Accuracy in the Lab and Field
   - Timothy Lewis, USACE, Vicksburg, MS

3. Watervliet Dams Removal: A Case Study for Monitoring in a Complex Non-Wadable River
   – Marty Boote, Environmental Consulting & Technology, Inc., Ann Arbor, MI

4. Dallas Floodway Extension Lower Chain of Wetlands and Grasslands: A Case Study of the Adaptive Management Approach in Ecosystem
   - Lynde Dodd, USACE, Lewisville, TX