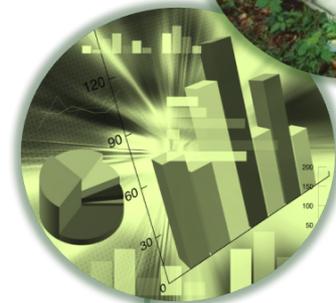


WK 13 - How to Prepare Ecological Data Sets for Effective Analysis and Sharing

2:00 PM-5:00 PM

August 1st, 2010



Workshop Team

Best Practices

- Robert Cook, *Oak Ridge National Laboratory*
- Viv Hutchison, *US Geological Survey*
- Stephanie Hampton, *National Center for Ecological Analysis and Synthesis*
- Tammy Beaty, *Oak Ridge National Laboratory*
- William Michener, *University of New Mexico*
- Bruce Wilson, *Oak Ridge National Laboratory*
- Suresh SanthanaVannan, *Oak Ridge National Laboratory*
- Mark Schildhauer, *National Center for Ecological Analysis and Synthesis*



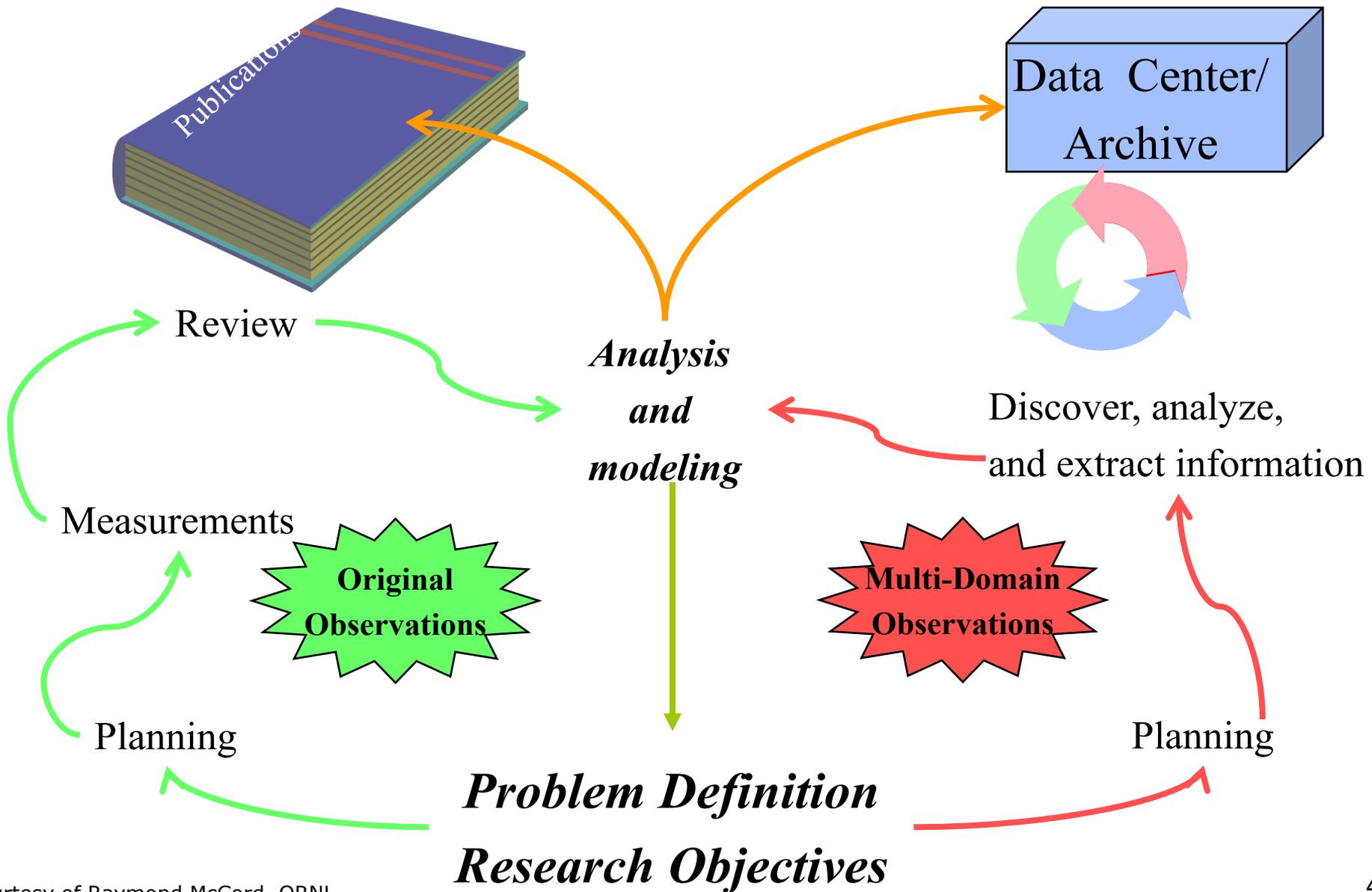
Workshop Goal

Best Practices

Provide guidance on data management practices that investigators should perform during the course of data collection to improve the usability of their data sets



Cycles of Research – An Information View



Benefits of Good Data Management Practices

Best Practices

Short-term

- Spend less time doing data management and more time doing research
- Easier to prepare and use data for yourself
- Collaborators can readily understand and use data files

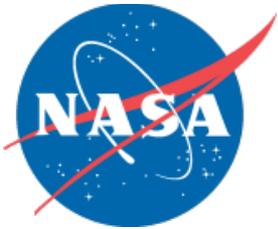
Long-term (data publication)

- Scientists outside your project can find, understand, and use your data
- You get credit for archived data products and their use in other papers
- Sponsors protect their investment



Workshop Sponsors

Best Practices



Workshop Agenda

Best Practices

- 2:00 - 2:15 Workshop Introduction (Bob Cook, ORNL)
- 2:15 - 2:45 Fundamental Practices for Preparing Data Sets (Bob Cook, ORNL)
- 2:45 - 3:15 Organizing data sets for sharing
Collaboration and Data Sharing (Stefanie Hampton, NCEAS)
Organizing data sets: Participants are encouraged to bring their own data sets, which we will assist in organizing (Workshop Team)
- 3:15-3:30 Break
- 3:30 – 4:15 Introduction to Metadata (Viv Hutchison, USGS)
- 4:15 – 4:45 Elements of a Data Management Plan (Bill Michener, University of New Mexico)
- 4:45 – 5:00 Workshop Closing (Bob Cook, ORNL)

