Barriers to archiving . . .

• **before reaching a positive decision to archive:**
  o lack of awareness of options & policies
  o active desire to restrict data
    ▪ to prevent getting scooped
    ▪ to prevent foolish uses of data
    ▪ to ensure that author gets credit
    ▪ for fear that scrutiny will cast doubts, justifiably or not
  o perception that benefits do not justify burden

• **after reaching a positive decision to archive**
  o inconvenience of gathering complete data and metadata
  o frustration when some data don’t fit archive’s data model
  o inconvenience of format conversions needed for archiving
  o poor and undocumented archive submission interfaces

Barriers to re-use . . .

• **before acquiring potentially re-useable data:**
  o difficulty of discovering and locating data because . . .
    ▪ there is no archival record
    ▪ the record is available, but resource is unknown to users
    ▪ the record can’t be searched at all
    ▪ the record can’t be searched effectively
  o difficulty of accessing and downloading data because
    ▪ there is no archival record
    ▪ access is procedurally restricted (lack of permission)
    ▪ access is technologically limited or inconvenient,

• **after acquiring re-useable data:**
  o difficulty of extracting or decoding data because
    ▪ the data are in an unfamiliar or non-interoperable format
    ▪ the data are formatted incorrectly or ambiguously
  o difficulty of using data because
    ▪ there are errors or inconsistencies
    ▪ the potential for intellectual property restrictions is unknown