A Picture is worth……?

CoreWall Group B –Session 2
Working Environment, Workflow, Minimum Measurements Requirements

Focus on Corelyzer

“Minimum Measurements”:

1) Accomplished On ship vs Off ship, in the field vs repository

2) Broad Agreement that the IODP “Minimum” physical measurements should be done in any scale project from individual Lake Core to IODP

3) Capture everything possible
- -Visual observations or analyses
- -Annotated comments
- -Collaborative comments

4) Visualization rather than data capture would be immediately useful.

Work Environments are Different

- What is the expected interaction paradigm for visual observations of VCD (eg. Textures, structures, abundances, etc.)?
  - Use spreadsheet for data capture?
  - Use large displays for data retrieval?
  - Use Psicat diagram next to the core
  - Excel spreadsheet alone may not be sufficient for sedimentologists.
  - Belief is that no single tool will do everything

Paper vs Plastic:

- There is much that gets captured on paper that is potentially lost when entered into software systems. Also the desire for a hardcopy version as a backup if for e.g. laptops in the lake.
- How to describe multiple cores simultaneously?
- J-CORES: When using digital versions of data a lot of prior context may be lost. Currently capture of data occurs on paper first and then re-entry using tabletPC. Paper barrel sheet becomes a ÑverificationÓof conflicts in digital records.

Is the capture of observational notes important? Should it be made available publicly

CoreWall Breakout Session 3

<u>Data Visualization Issues with Corewall:</u>
Visualization vs Capture ???
Depth of Information ??
Links to other Information??

- Sedimentology
  - Clast Count Curve
  - XRCT images (fabric studies)
  - Facies Codes
- Downhole Geophysics
  - Borehole televiewer or Formation MicroScanner Images
  - Want cylindrical view of log/core images
- Petrology
  - XRF scannerŃ Intensities/ Ratios/Calibrated Data
  - Spot sample XRF data
  - Thin section/Smear Slide images
- Paleo
  - Species abundance
  - Microfossil images
  - Access to key taxonomy of images

Microbiology ?????

Possible Collaborative Uses of Corewall:

1) Ship and Shorebased Science Parties

2) Andrill: On and off ice

3) Lake core facility vs dispersed workers Š both individuals and ICDP scale projects

4) Teaching remotely

ISSUES:

1) Do you know you are looking at the most up-to-date version of the data and remain aware of the changes (e.g. via RSS feed)

2) Multiple layers of annotations

3) Is this data Ñpublic Óor private