

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.)?
  - o Use spreadsheet for data capture?
  - o Use large displays for data retrieval?
  - o Use Psicat diagram next to the core
  - o Excel spreadsheet alone may not be sufficient for sedimentologists.
  - o 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 verification of conflicts in digital records.

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

## **CoreWall Breakout Session 3**

### **Data Visualization Issues with Corewall:**

**Visualization vs Capture ???**

**Depth of Information ??**

**Links to other Information??**

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