

# ANDRILL and ICDP Use Scenarios



**Chicxulub Drilling**



**Mallik 2002 Gas Hydrate**

# ANDRILL: Corelyzer as a visualization tool.

- Can drill-log be displayed on demand (not needed routinely)?
- Include: Drilling condition – part of metadata
- Display: MSCL data – whole core and split core

# **ANDRILL: Corelyzer as a visualization tool.**

## **During the night shift at the Clary Lab:**

- VCD data into PSICAT; PSICAT plugin to Corelyzer exists
- Data display in Corelyzer with constant updating, as data are added to PSICAT and track data come off the MSCCL.

**CoreWall is like a bulleting board.**

# ANDRILL: Corelyzer as a visualization tool.

## Next day at the Clary Lab:

- Scientists look at the physical core and Corelyzer display of core image and descriptions → (make sample requests if easily done)

## Back at the repository (FL State):

- Want to be able to make annotations, interpretations → able to push data somewhere

# ICDP: Corelyzer as a visualization tool

## Interpretation-free data on Corelyzer

- Expeditions/projects are customized to suit the logistics, available support, etc.
- Operational phase – primary data, drill logs into DIS
- Science phase – interpretations

# ICDP: Corelyzer as a visualization tool

## Particular concerns:

- Display whole core MSCSL data – no images available
- Display core catcher or cuttings data – may not have any images
- Compatibility of DIS Visual Core Description requirements and Corelyzer VCD format
  - Scientists agree on standard description and adhere to this standard
  - Predefined set of attribute descriptions, and use of dictionary
  - But still allow freeform text.
  - Non-native speakers wanting to do descriptions initially in their native language then transferred via use of more structured entry system with dictionary

# ICDP: Corelyzer as a visualization tool

## Microbio samples

- Isolated immediately, no visual record of the core,
- Some data will be collected but not standard geologic information
- No images will be available

## Unrolled images of borehole data and hard-rock cores

- The 360 image of core exterior
- Borehole measurements – televiewer, natural gamma, resistivity data etc
- Can Corelyzer match the phasing of the unrolled images?