

## Environmental Monitoring 1: Discussion Summary

Two discrete groups based on outputs

- Confirmatory (is something happening)
- Investigative (how bad is it)

Big communication pattern on this, a lot of people involved, conservators have to step outside of the curators and their own depart

- Facilities people
- Administration

Some basic specifications for env.

- Equipment for monitoring
- Calibration data
- Collected data
- Have some sort of idea of an environmental specification in your head?
- Instrumentation, data acquisition specification, warranties, contracts with pest specialists
- Analysis code
- Calibration data for automated systems.

Many data streams

- The conservator may not control all of the data streams. So there has to be reconciliation where different data streams are consolidated.
- All data has to be evaluated
- This may involve consultative activities
- Action
- Remediation
- Object movement
- New specification
- Scheduling for all of the above
- Documentation of trouble spots
- Knowledge management of what is often implicit knowledge in institution.
- Must have some way of understanding the maintenance of these objects and the data
- Need to archive the raw data in some understandable format
- Need to get this information out and into something understandable
- Excel charts are huge and all monitoring seems to lead to excel files
- It may be that you do not control all the data streams, there has to be some reconciliation process where different data streams are brought together and some evaluation is made of who is right

Evaluation process

- Might be some sort of “out of range” alert
- At some periodic interval all the data is going to be evaluated by a code or a human being and try to make decision and as a result you might get into a consultative process, and you will take some kind of action, which will

lead to a range of documentation, might lead to object movement, and so incident reports on a per object basis and some sort of scheduling process

- The other thing is documentation of trouble-spots—this particular room is not good, or this roof consistently leaks etc.
- Evaluation-consultation-action may happen quickly or sloooooowly...