

## Charge to Break Out Group #1

As stated in the “Initial Considerations” document and conceptualized in the accompanying slide, what can be done to effectively capture, document, and prepare the information flows associated with each stage of a research project or scholarly work so that it will become part of a global knowledge infrastructure.

### Points to consider:

The primary researchers will be disinclined to do this for multiple reasons. Is there a possibility of automating this? If so, would this be most tractable *during* the individual stages of the research workflow or *after* the project is complete. What might this entail?

Should there be initiated “meta-research” activities as part of major research projects? The meta-research team would study the research as it progresses in order to compile a complete record of the processes, resources used and activities undertaken.

Is this already being done to a certain degree in some disciplinary areas? What has been the benefit to the larger scholarly communities involved?

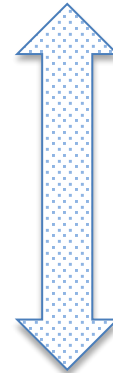
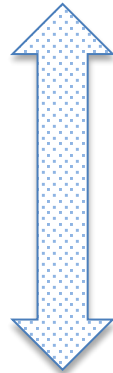
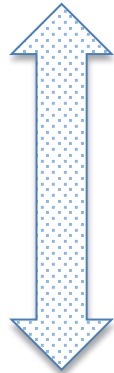
# A Very General Scholarly Research and Study Workflow Model



journals  
conferences  
repositories  
lectures

data infrastructures  
archives  
libraries

Information  
flows into and  
out of  
the project at  
each stage



activity

inspiration,  
explore  
discover area  
of interest

formulate  
problem, design  
research (study)

conduct  
research,  
analyze results

prepare findings,  
disseminate  
results

prepare and  
deliver resources  
for reuse

data

are discovered, referenced, accessed, gathered, transformed, analyzed, presented, prepared for reuse

and,  
sometimes

researchers or other actors collect and prepare all artifacts for future repurposing and reuse by others[event tracing, versioning, logs, data documentation, intermediate steps, concept changes]