

# Where does the 'output' from this course fit into the larger research enterprise?

1. Research "Charter" -- authority & funding to do research in a **significant geographic or subject area**.
  - a. Problem Analysis 1, -- document focusing on some issues ....
  - b. Problem analysis 2, 3, 4 – focus is on other issues (time horizon may be ~5 years)
    - i) Individual research study (within a problem area) #1 -- a written document, a **study plan**, that focuses research further to address some specific unknowns.
    - ii) #2, #3

**Our goal is for each person to produce a  
1 page study plan summary.**

## Course objectives:

1) offer an approach to organizing a scientific research study plan – the Gowin Vee – that is:

a) “simple,

b) straight forward,

c) comprehensive”,

(W. E. Miller)

- 2) present an example Gowin Vee for a research project,
- 3) spend some time talking about each major component,
- 4) relate the component parts to philosophy and science (where appropriate),

- 5) refresh student's familiarity with statistical techniques to test conjectures,
- 6) bring students along by asking for their participation as we move from one component to the next,
- 7) at end of class students will have produced a Gowin Vee for a research study they are planning, or one they have recently completed.