**New Database Elements**

* Create separate *criteria program* (or extension) to modify HSI criteria/background data? Criteria extension kept by AAS or CNS to modify values
* Don`t need to separate *criteria, data, and viewer* components. Could all be done in one program, but separated by different sections
* **Build HSI criteria (background data) with values (need to tweak) – use of formulas**
* As with old database:
  + **Evaluate variables individually**, as **Life Stage Components**, or a **complete index**. Could modify existing formulas to get life stage or complete index
  + Connect entered field data to variable HSI scores (**relational database**)
  + Use river names to group data on same river and site numbers for individual assessments
  + Use default `fair` values for unsurveyed variables to produce more accurate life stage components or complete index
  + Divide data entry screens by components. Present data entry in similar look as field sheets
* Could run program on variety of internet browsers
* Use of dropdown menus with set values for applicable variables (% substrate, cover etc)
* Produce output `report` in text or spreadsheet for desired evaluation (individual, life stages) – improve interpretation and sharing of data
* Tie HSI values with possible causes and common effects to fish
* Include entry for non-HSI variables (ice scarring, deposition bars) and way of *evaluating results?*