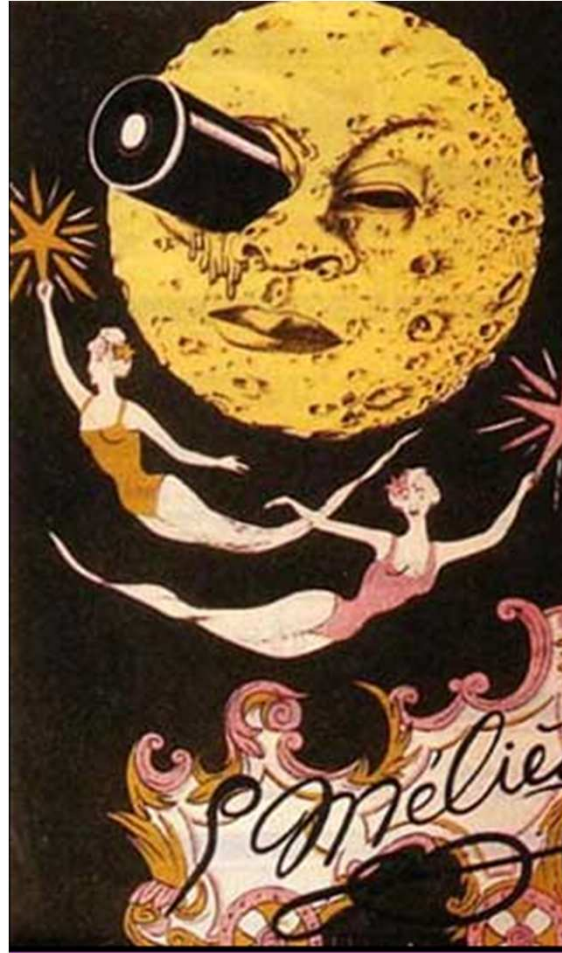


# VAO Science Priorities

G. Fabbiano

Harvard-Smithsonian CfA

# The Astronomer's Dream

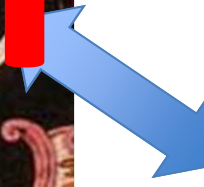
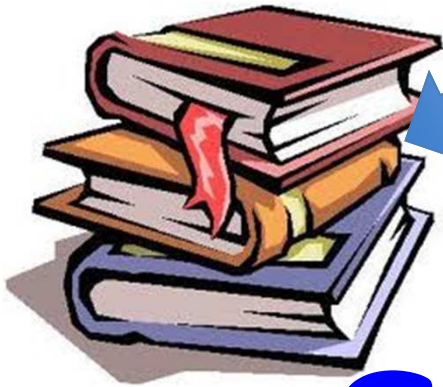


1899

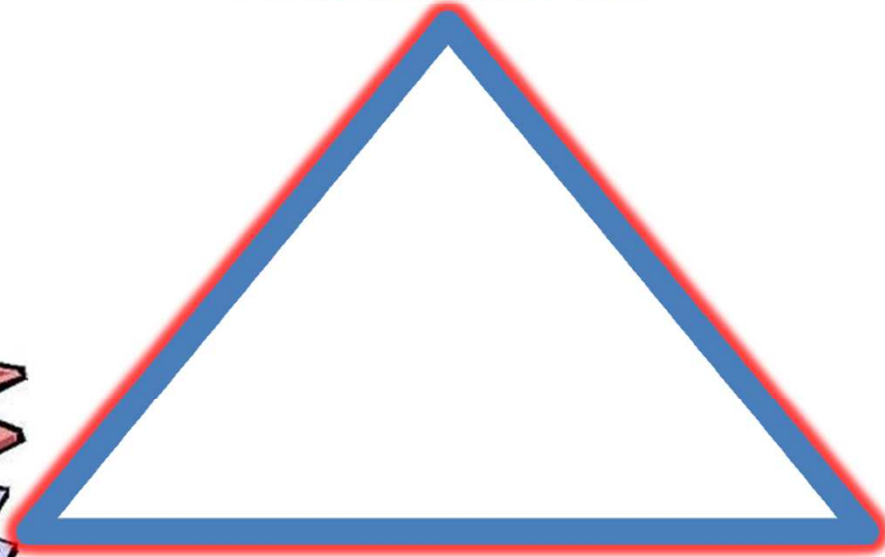
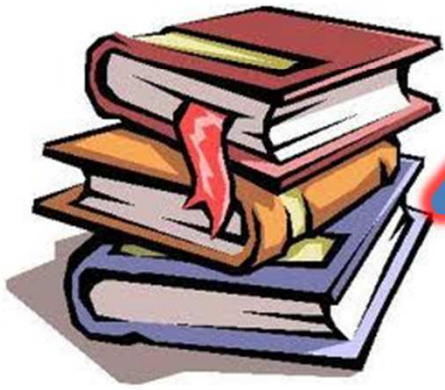
Movie by  
George Méliès



**EASY**



**seamless**



# VAO Science Priorities

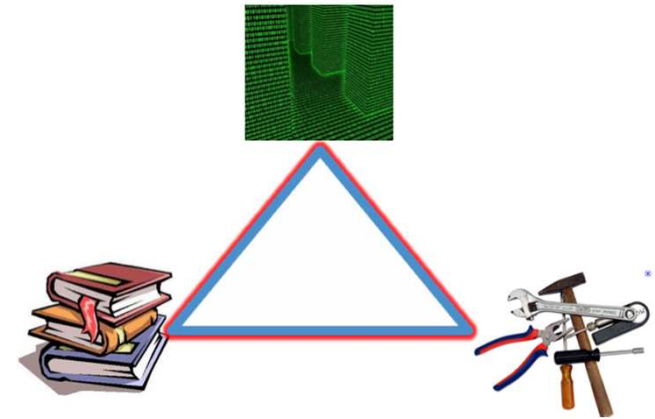
- Portal

- Explore / Find dataset

- Literature  $\leftrightarrow$  data links
- Semantic searches / ontologies
- $\rightarrow$  ADS

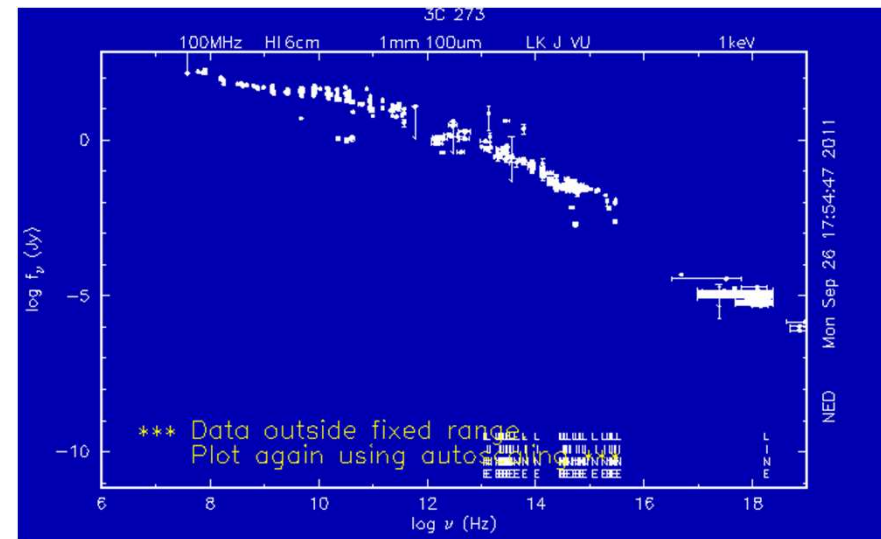
- Access, extract and manipulate tabular data from astro-databases

- TAP interface
- Cross-matching



# VAO Science Priorities

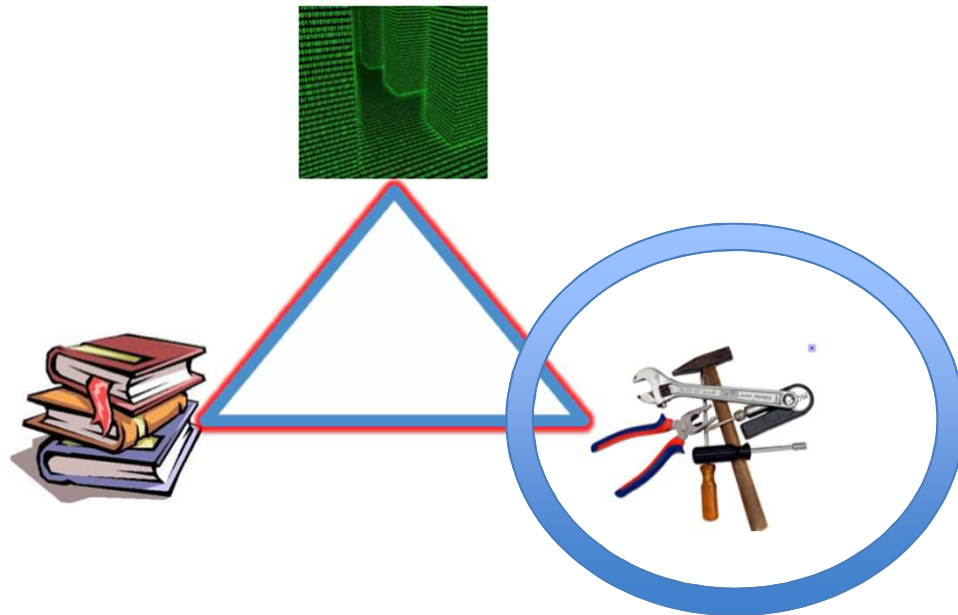
- SED (spectral energy distribution) tool
  - Build/import SED
  - Display
  - Edit (graphically)
  - Model fit
    - Build model
    - Import model
    - Access to model libraries
    - A range of minimization and statistics
    - Iteratively
    - Interactively
    - graphycally





# VAO Science Priorities

- VO-ize old trusted tools
  - Have play in the seamless environment
  - IRAF
  - CIAO
  - Etc....



# Next VAO Science Priorities

- Variable Sky
- Data Mining



# VAO Science Challenge

- Get wide community acceptance and support
- ...especially for 'newer' approaches

# The real VAO Science Challenge

- Teach the Astronomers how to dream

