Needs Analysis Workshop: Goals

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Workshop Goals:

- Identify powerful questions to *understand* and *exploit* the knowledgebase being built

- Understand how they are powerful

  - What data is needed?

  - What do they enable, in a better or unique way?

Data Exploration

- Best angles along which to explore?
  - E.g., Phylogeny, quality of change, character, gene
- Most common queries or reports?
  - Find all <insert here> that fulfill <insert here>
- What would the result be used for?
- What data would be needed?

Hypothesis Generation

- Hypotheses about represented data types

  - Genes, phenotypes, ...

- Hypotheses about represented processes

  - Evolution, development, gene regulation, ...

- Which ones go beyond what current data and methods allow?

- What data do we need to achieve this?

Data Mining

- What patterns are known to exist and could be rediscovered as proof-of-concept?

- What patterns – if they exist – would be interesting to look for?

- How would these be visualized?

- What data do we need to collect for this, and what external data to integrate?

Outcome Template:

- What research questions would you like us to enable?

- What data are required to answer those questions?

- How would you envision to query the system to ask those questions?

- How would you visualize the results?