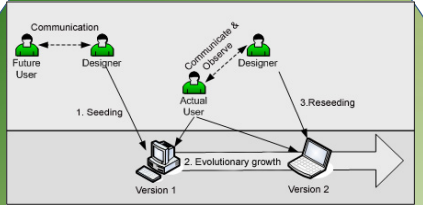


The CAMRA Knowledge Management Approach

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Use-Centered Design



User feedback drives the evolution of Version 1 of the KR into Version 2

Representation for Knowledge Artifacts

What is the general research activity?
 Filling dose response models

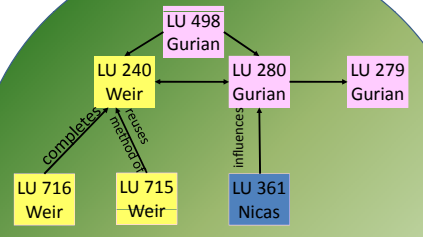
In what context does this activity occur?
 Various levels of genetic wild caught strains, lab raised risk strains, sublethal inoculation, dose response, fate, persistence, exposure

Describe the experimental design.
 Yields dose response data will be extracted from previous studies looking at the effects to different foods from numerous doses administered. The study design must include the vector of exposure used. Identify, classifying the risk appropriate. The IR, cases to code for the maximum likelihood estimation approach to model fitting. Of dose response models to incorporate existing data for similar artifacts will be used

What are you trying to find out? (e.g. your hypothesis)
 Which of the best dose response models chosen (beta Poisson and exponential) will best fit the dosing data, and what are the optimal parameters for the search. Then this best fitting model will be used to evaluate the risk of death (the end point in the dosing studies) associated with a sublethal exposure to Y. pestis.

Transparency of research activities is facilitated by a minimal and sufficient knowledge representation

Knowledge Map



Knowledge maps demonstrate integration between projects and contributors

Knowledge Facilitators



Knowledge facilitators complement the use of technology

Collaboration

Knowledge Sharing

Integration

CAMRA KR: A web-based Knowledge Repository

Search the CAMRA Knowledge Repository

Search

For best search accuracy please enter 4 terms (comma separated)

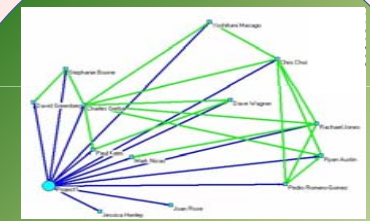
Contributors are given guidance on the ideal number of terms to enter when searching

Search for Knowledge Artifacts

When implementing and testing the knowledge repository, we wanted to find out what challenges and lessons we may learn from implementing and testing the knowledge repository for the CAMRA community.

Reports are generated using the learning units, links between units, and templates

Automated Reporting



E.g., visualization of links between contributors

Visualizations

In Year 1, 40% of links created were between artifacts with different authors
 And 22% of all links between artifacts were made across different projects

99.5% of terms in the artifacts can be found within the core fields of the representation

Preliminary Results