

# Extensible Lineage Manager (ELM)

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# The Research Process

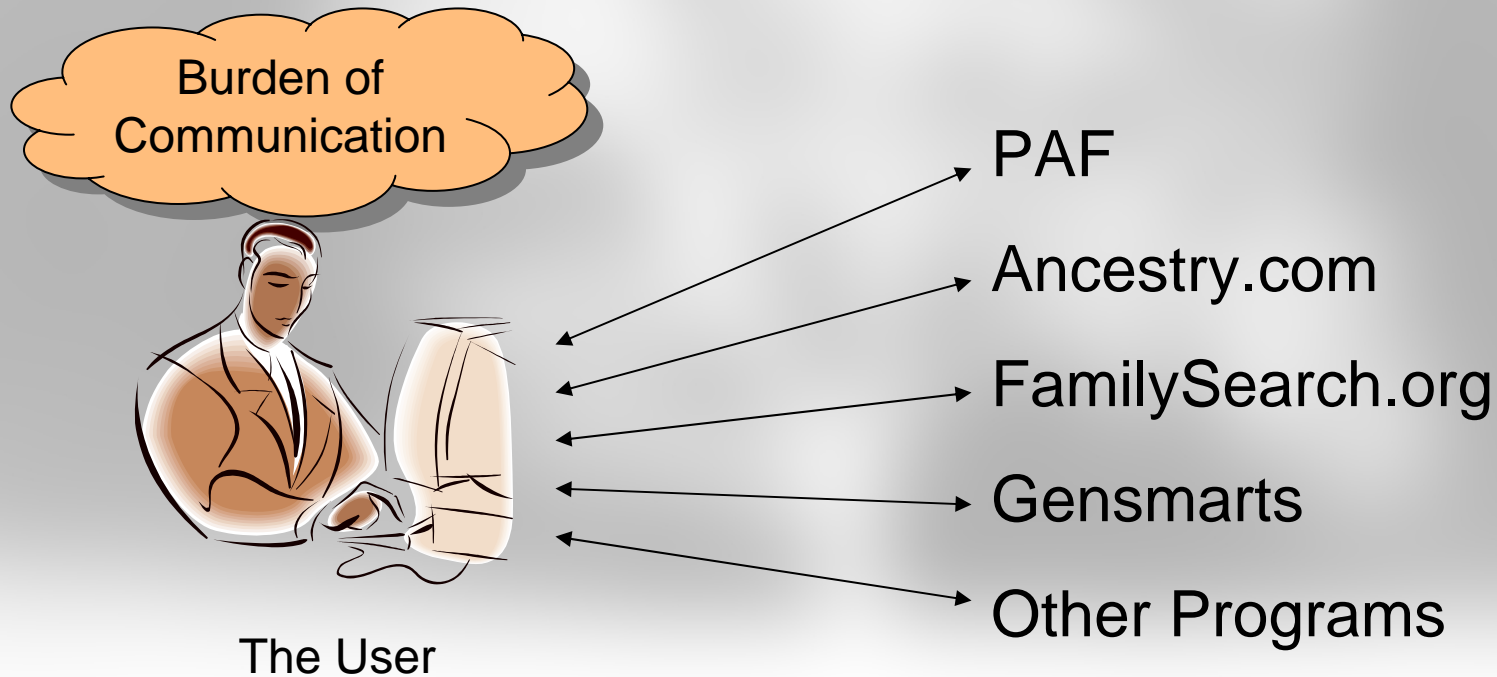
- Record what you know
- Find what tasks will produce more information from what you have and can guess
- Perform such tasks (ex. Internet search, get cemetery documents, etc.)
- Record pertinent results and their sources

# Problem

- There are many genealogy programs but none fully support the research process
  - PAF only for recording information
  - Ancestry.com and FamilySearch.org only perform searches on databases of information
  - Gensmarts only provides estimations and ideas of where to find more information
  - Etc.

# The Burden of Communication

(Typing or GEDCOM Export, Import, and Merge)

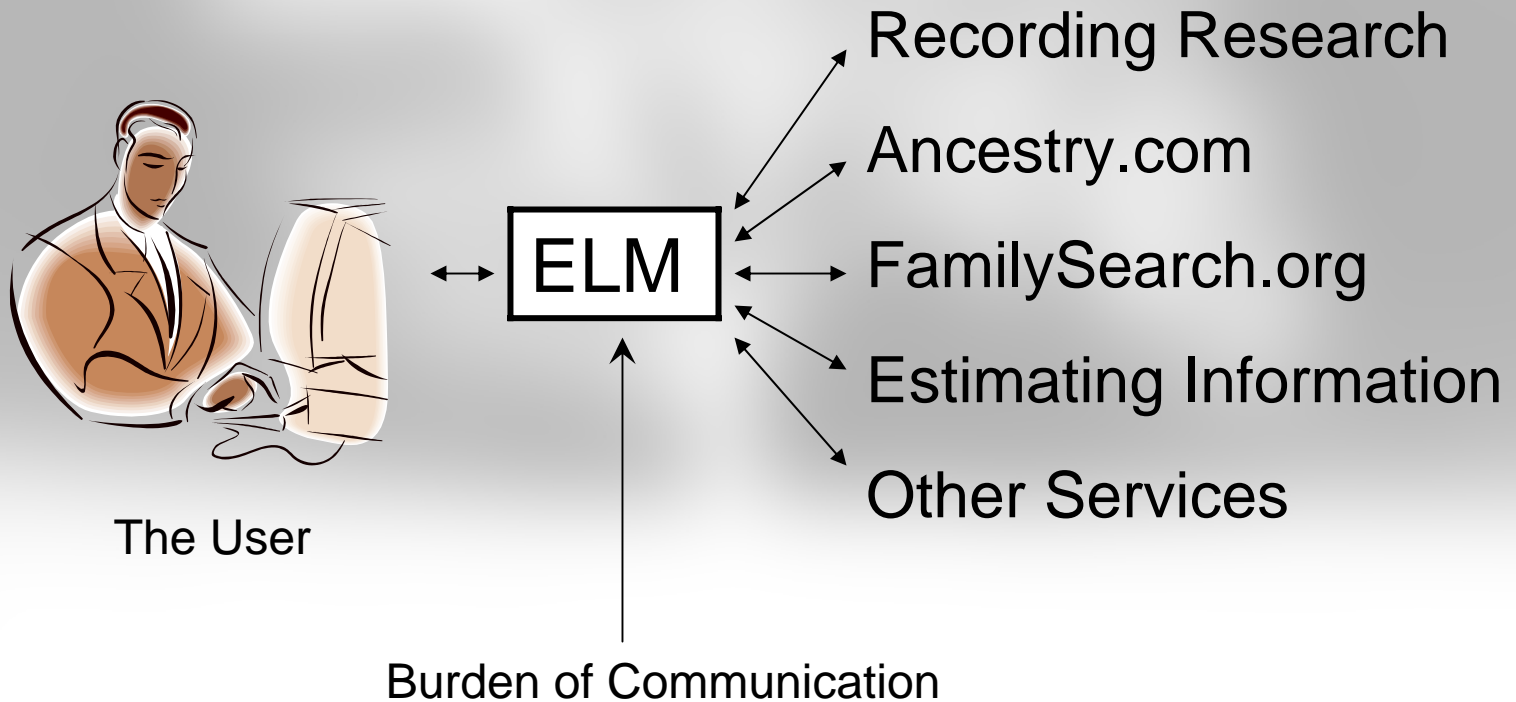


# Solution:

## Extensible Lineage Manager (ELM)

- Supports the Research Process by
  - Handling communication between services
  - Being extendable
    - more services can easily be added
    - each of the parts of the research process can be included and improved more easily

# Extensible Lineage Manager (ELM)



# ELM's Support for the Research Process

- Estimators – Narrow down where to search
- Suggestors – Given saved and estimated information, suggest research tasks that will likely give results
  - Search Sites (Ancestry.com, FamilySearch.org)
- Todo List – Manage tasks (new, old, done, deffered)
  - Automated – ELM performs these tasks for the user
  - Manual – the user is guided through performing this type of task
  - User Entered – the user enters a note of what they want to do
- Research Results – Information obtained with source information
- Evaluator/Ranker – Rank results by which are most likely to be pertinent (can use more information than is included in a search query)
- Recorder/Merger – Save and integrate results while saving their source information

# Why Make ELM Extensible?

- Easily add more services
  - Support more file formats
  - Add geography help
- Improve more easily the existing parts such as parts of the research process
  - Add more estimators or suggestors
  - Replace the Evaluator/Ranker with a smarter one



# How will ELM be Extensible?

- Using a plugin architecture
  - Plugins
    - Contain Extensions to existing extension points and/or Extension Points for plugins to extend
  - Extension Points
    - Places to extend some functionality
  - Extensions
    - New functionality that is added through an extension point

# Improvements

- Burden of communication is on the computer instead of the user
- Results can be filtered and ranked better because there is more information available than can be included in a query
- Results can be saved for future reference
- Rejected results can be marked to not come up in future searches
- The user only has to understand one interface
- The user does not have to come up with research tasks themselves
- More services can easily be added later
- Open Source program so others can improve upon it

Questions?