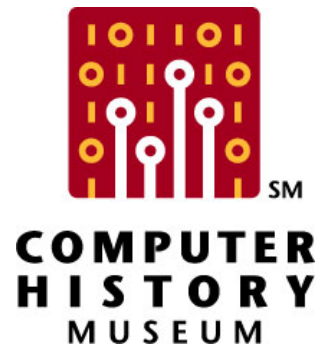


Proposed Curation Roadmap Software Collection

Lee Courtney
Software Collection Committee



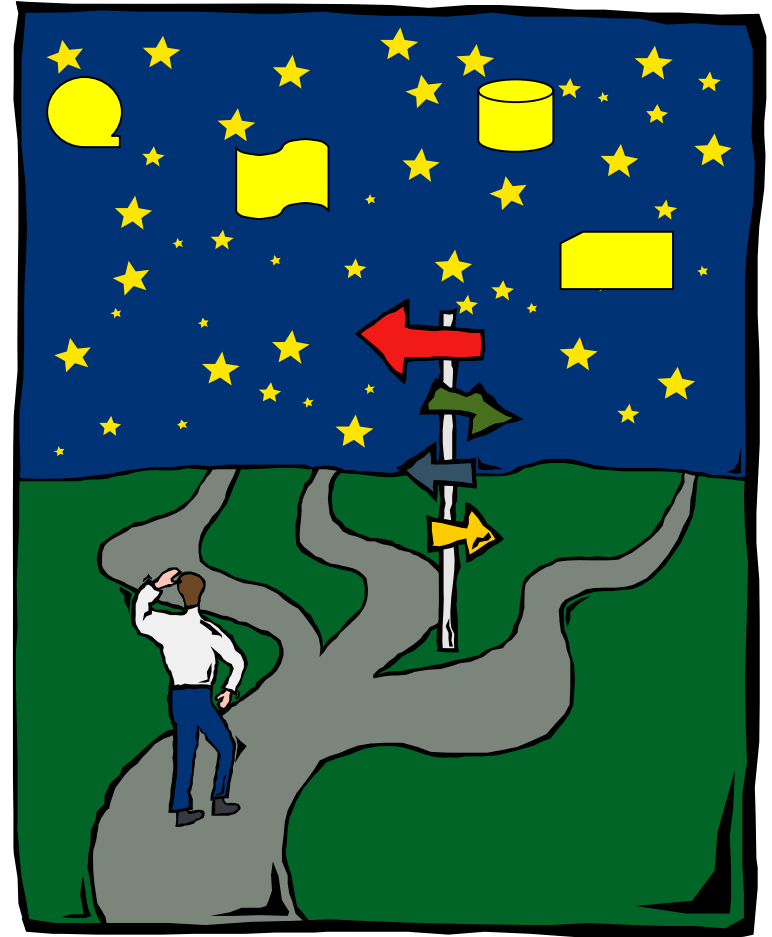
Proposal

- “Curate” existing CHM Software Collection
- Align SCC efforts largely on CHM Software Collection
- Create project wrapper for curating existing collection
- Use as spring-board for development of software curation process

Where Are We Now?

- Physical state stabilized
- Software Room
- Islands of Software
 - 1620 Project (Shoreline)
 - Sigma-5 (Shoreline)
 - Multics (Moffett?)
 - ...
- No catalog
- No infrastructure for processing content

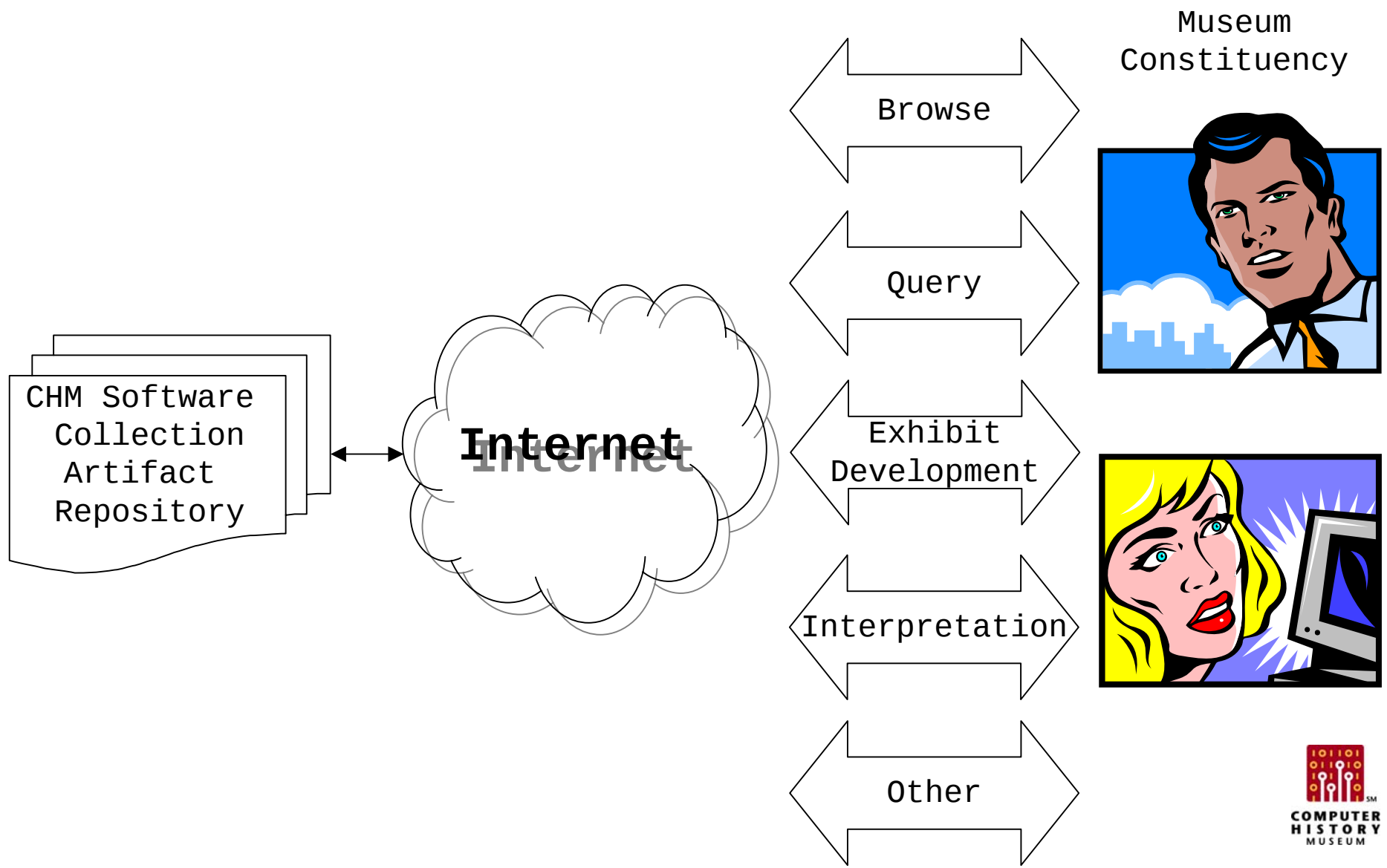
*What is the destination?
How do we get there?*



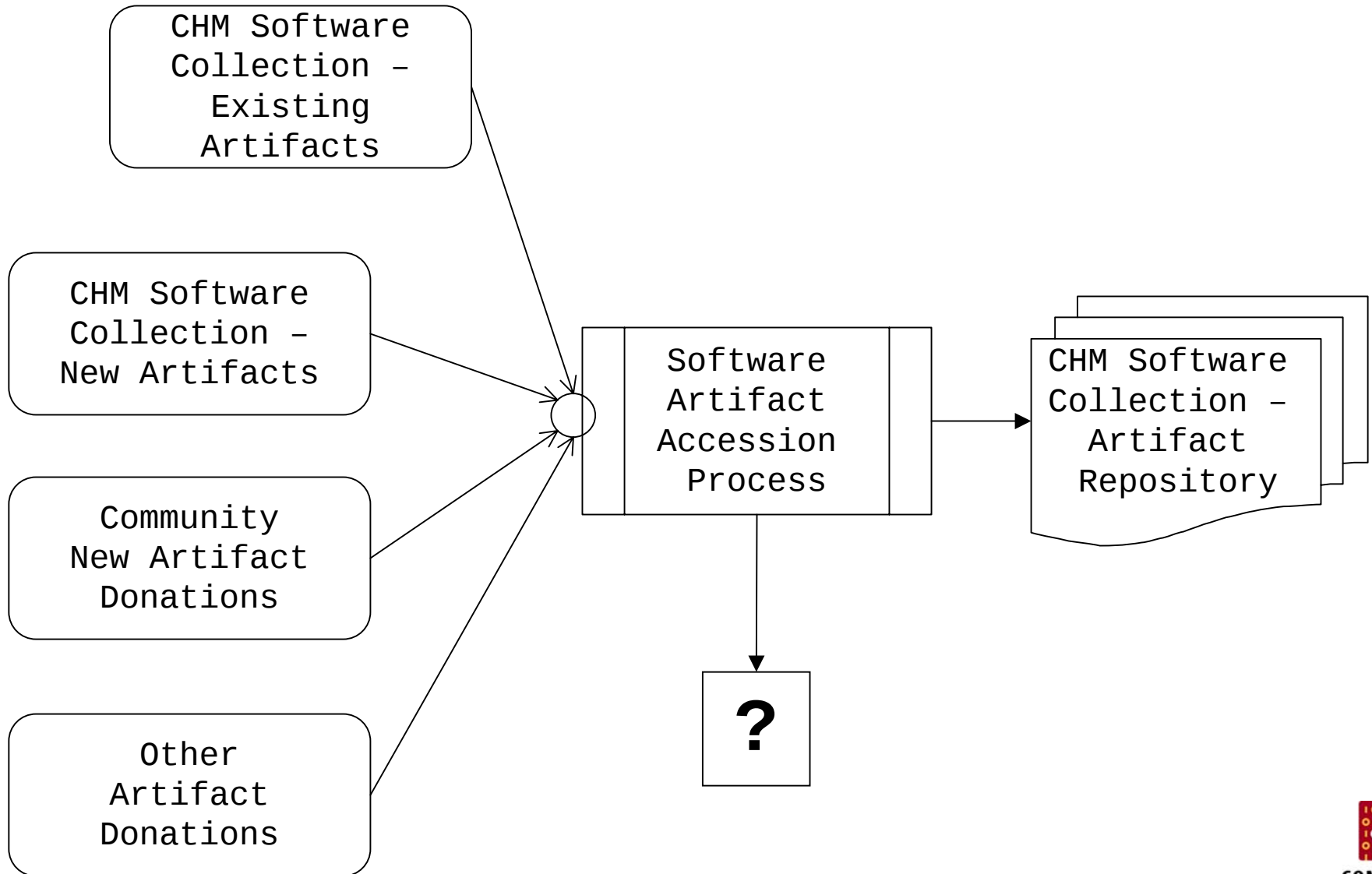
Definitions

- **Media**
 - Physical storage medium for software (e.g floppy disk)
- **Software / Content**
 - Information contained on the media (e.g. bits from floppy disk)
- **Software Collection**
 - Media and software portion of the CHM Artifact Collection
- **Catalog**
 - Database describing Software Collection
 - Defines media $\leftrightarrow$ content mapping
- **Repository**
 - The database holding the software from the media
 - Captures media and software information in catalog
 - Structured but not “Curated”
 - Browseable and Searchable
- **Interpretation**
 - “Running” the software in a virtual environment

Software Collection - “Product” View

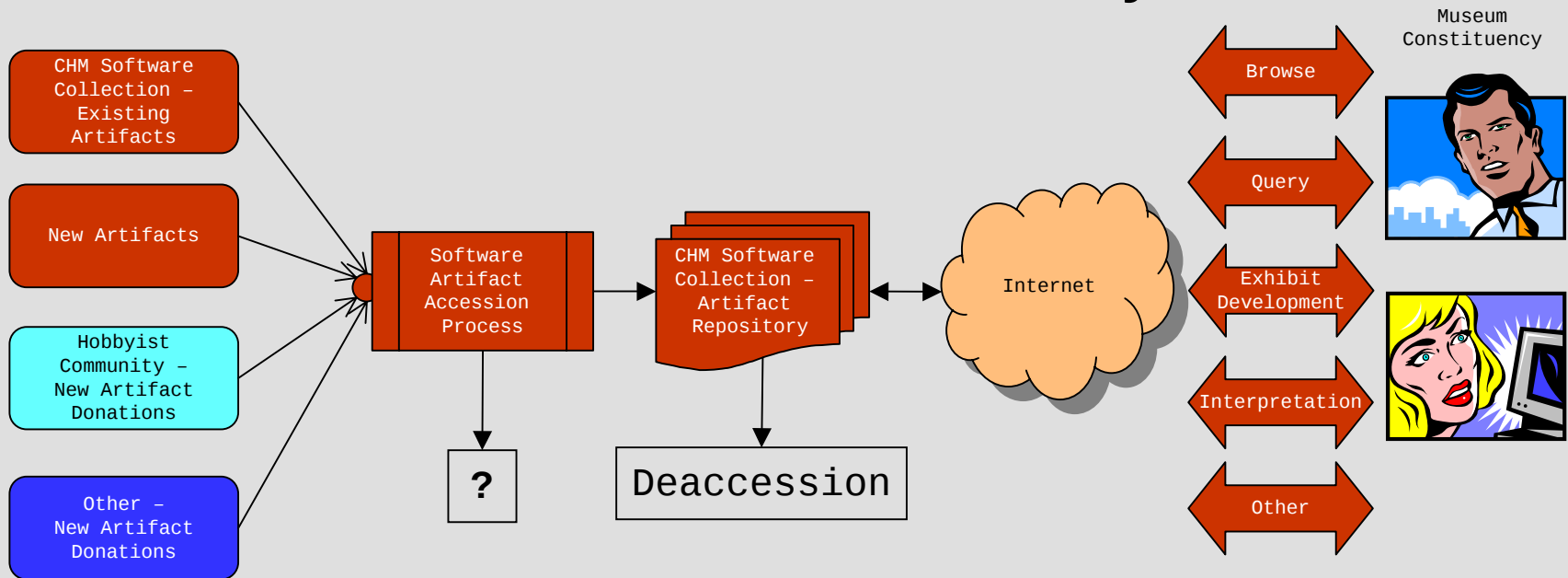


Software Collection Input



Software Collection Endgame

Software Artifact Life-cycle



Software Artifact Life-Cycle

- Written document
- Process definition for software artifacts
 - Initial donation query → deaccession
 - Internal view = external view
- Media and software content curation standards
- Congruent with overall CHM Collection Processes and Procedures.

How Do We Get There?

In phases...

- What have we got? Where is it? What's the magnitude of the problem?
- Get everything in one place.
- Define a catalog describing content.
- Populate the catalog.
- Define content repository
 - Accessible – internal and external users
 - Capture everything required – may only get one chance
 - Useful
 - Extensible
- Populate Repository
 - Computer History Museum
 - Community
 - Collectors
 - .edu
 - .com
 - .org
- Defines scope of problem and solution
- Facilitates cataloging
- Will tell us what we have and describe
- Determine physical (media) collection, gain insight into software content
- Where software content will reside

Phases



```
graph LR; A[Physical Organization] --> B[Cataloging]; B --> C[Content Processing];
```

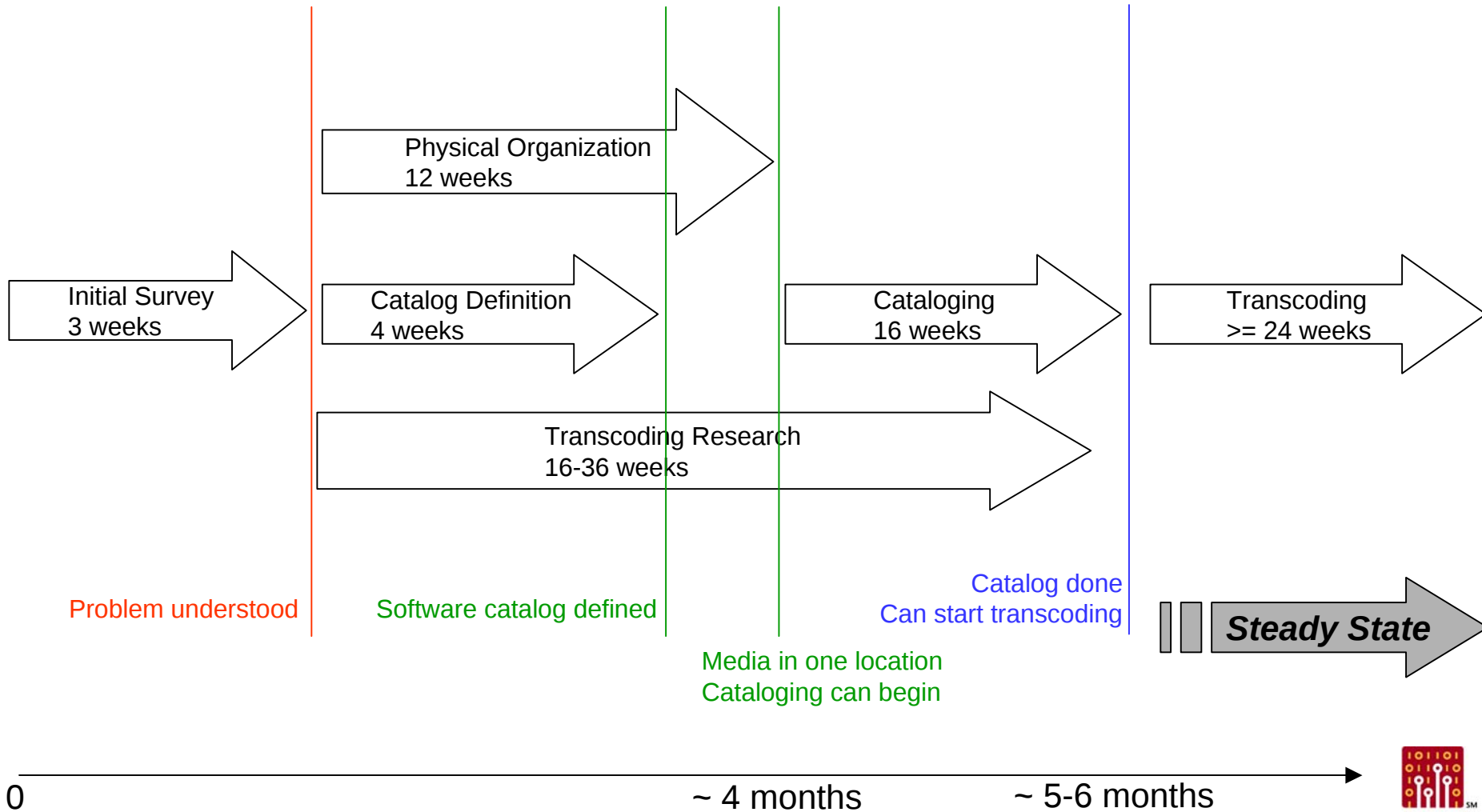
Physical Organization

Cataloging

Content Processing

Timeframe

(Not to scale)



SCC and Software Curator

- SCC
 - Technical expertise
 - Define Software Artifact Life-cycle
 - Software Collection Catalog definition
 - Software Repository definition
- Software Curator
 - “Program Manager”
 - Duties

Software Collection Curator Duties

1. Design, develop, document, and implement processes and procedures to insure the proper cataloging, accession, preservation, and presentation of the Software Collection to the Museum's target audiences.
2. Insure proactive collection and conservation of specific software and related artifacts.
3. Focal point for activities and resources related to the Software Collection.
4. Develop and maintain ties with others creating and implementing software curation protocols and techniques.
5. Work with and assist other Curators with their respective Collections.
6. With Exhibits component facilitate exhibition of the Software Collection.
7. Speaking to, and content development for, the museum audiences.
8. Publish results of software collection, preservation, and exhibition efforts.

Interesting Problems

- Where to start?
 - Easy quantity or
 - endangered media?
- Structure of the repository?
- What will user interface to populated repository look like?
- What's the ongoing process beyond initial population.

Measures of Success

- Know what is in the Software Collection?
 - Catalog defined, populated, and accurate
 - Catalog accessible by internal and external users
- Written software artifact Life-Cycle exists
 - Defines processes and procedures
 - Successfully used with **x** artifacts
- Collection accessible to internal and external users
- Usable mechanism for saving content in repository
 - For Museum staff
 - For Community
- In place by end of 2004

Next Steps

- Staff Software Curator position
 - Owner: John et al
 - Due: tbd
- Flesh out and finalize Project Plan
 - Owner: Lee et al
 - Due: Next meeting
- Continue infrastructure definition work
 - Owners: same
 - Due: tbd