EaaSI Scenarios for Software (Re)Use and Access

August - September 2018

NOTE: This activity is based on Alex Chassanoff's postdoctoral work on a "Software Curation Toolkit." Read more about A. Chassanoff's work on [her website](#).

Purpose:

The purposes of this exercise are to:
- Articulate potential software (re)use and access scenarios
- Inform/Verify your assumptions regarding (re)use and access scenarios by surveying your users.

Instructions:

1. Review the use cases that you articulated during your EaaSI Stakeholder Interview.
2. Complete 1-5 scenarios for use and access using the prompt below.
3. Identify 1-3 users whose use cases you believe may correspond with the scenarios for use and access that you articulated.
4. Ask participants to share 15-20 minutes of their time to reflect on their different needs related to software curation and preservation.
5. Participants complete questionnaire
6. Analyze participant responses to determine the distance between your participant reflections and the scenarios for use and access driving your interest in software curation, preservation and emulation.

[Org Name] Use Cases Described during EaaSI Stakeholder Interview:

Detailing your scenarios for use and access:

Actors	Goals	Resources	Challenges	Anecdotes for this use case
Type of stakeholder or user involved in the use case.	What does the actor want to do with software or software-dependent data?	What resources are available to this actor or these actors to achieve their goals - what resources do they need?	What challenges could your users face in attempting to accomplish their software reuse goals?	Any real world scenarios that you have witnessed or been involved in that informed your articulation of this use case.

Scenario 1				
Scenario 2				
Scenario 3				

Template:

Scenarios for Use and Access Creator/Researcher Questionnaire

1. For what purpose(s) do you create/use/reuse software for? Check all that apply.
   - ❏ To validate or test existing claims
   - ❏ To generate a new research outcome
   - ❏ To document or assist in the research process
   - ❏ As an historical artifact
   - ❏ To provide or recreate an experience
   - ❏ Other_____

2. What function(s) do you create/use/reuse software for? Check all that apply.

   - ❏ Replication/reproducibility/validation
   - ❏ Research outcome
   - ❏ Aggregation
   - ❏ Computation
   - ❏ Migration
   - ❏ Artifact
   - ❏ Other_____

3. What documentation should be collected related to how you create/use/reuse software?

   - ❏ User manuals
   - ❏ Technical specs/requirements
   - ❏ Bugs/Testing Protocols
   - ❏ Correspondence
   - ❏ Promotional material
   - ❏ Publications
   - ❏ Other_____

4. For software you have created/used/reused, what components do you consider as essential to retain?

   - ❏ Hardware / peripherals
   - ❏ Libraries
   - ❏ Dependencies

- ❏ Programming languages
- ❏ Algorithms
- ❏ Environments
- ❏ Documentation

5. What was the storage location for the software you created/used/reused?

- ❏ Removable media (diskettes; CDs; USB drives)
- ❏ Computer hard drive
- ❏ Hosted on website (github; research group homepage; cloud storage)

6. Which institutional stakeholders are involved in how you create/use/reuse researcher software? Please check that all apply

- ❏ Software developer
- ❏ Librarian
- ❏ Copyright officer
- ❏ Archivist
- ❏ Curator
- ❏ Research data manager
- ❏ Steward
- ❏ Publisher
- ❏ Deployer
- ❏ Other_____

7. On a scale of 1-5, please rate your level of agreement with the following statements:

1 – Strongly disagree 2 – Disagree 3 – Neither agree or disagree 4 – Agree 5 – Strongly agree

___   It is important to me that the provenance of this software has been fully documented.

___   It is important to me that I will be able to access this software in the future.

___   It is important to me that others can easily discover this software in the future.

___   It is important to me that I can replicate my previous experiences with this software in the future.

___   It is important to me that others can use this software in the future.

___   This software offers a unique experience.

___   I want research libraries to steward this software.

___   I am comfortable with the idea that this software may be updated or enhanced in the future.