

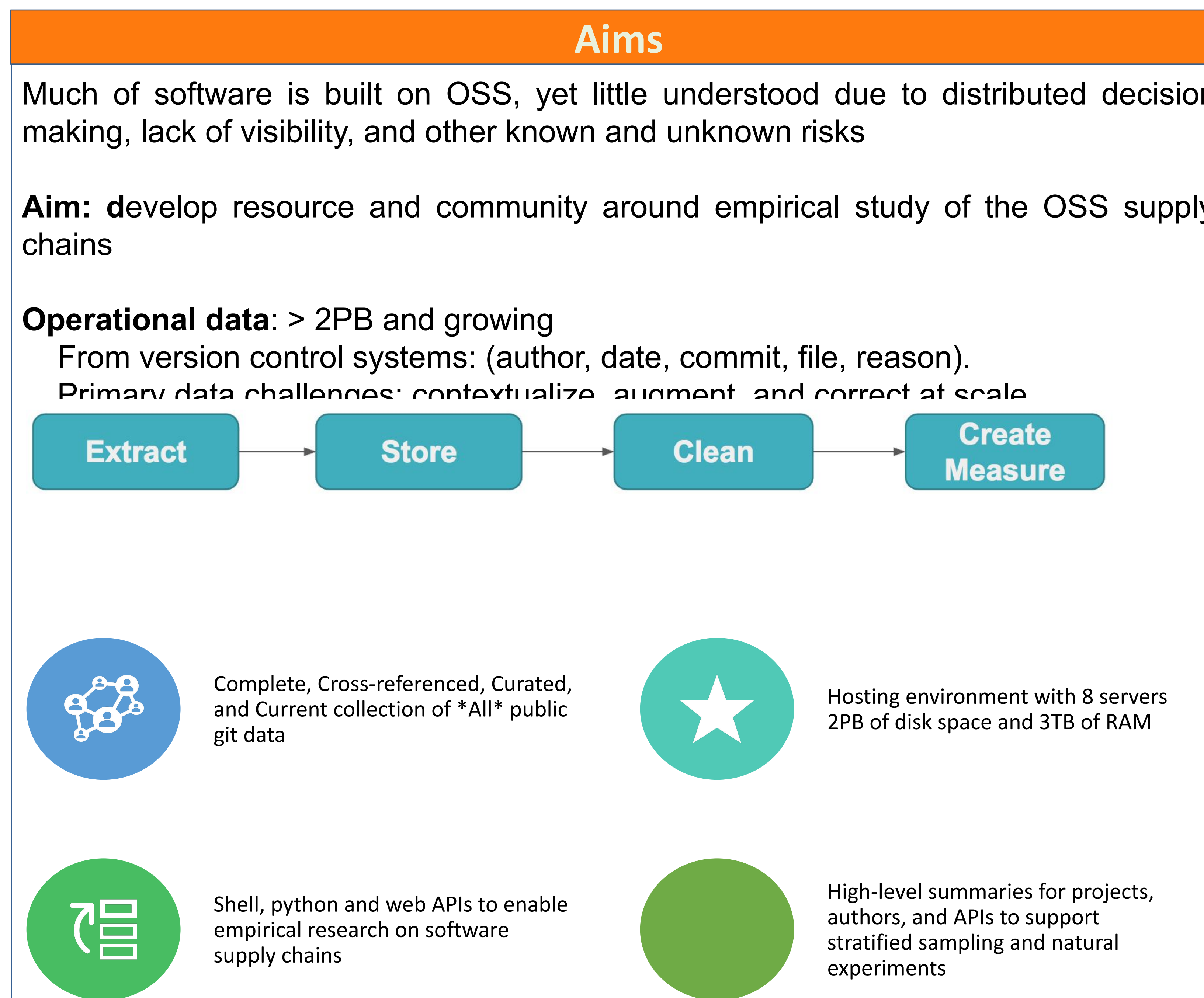
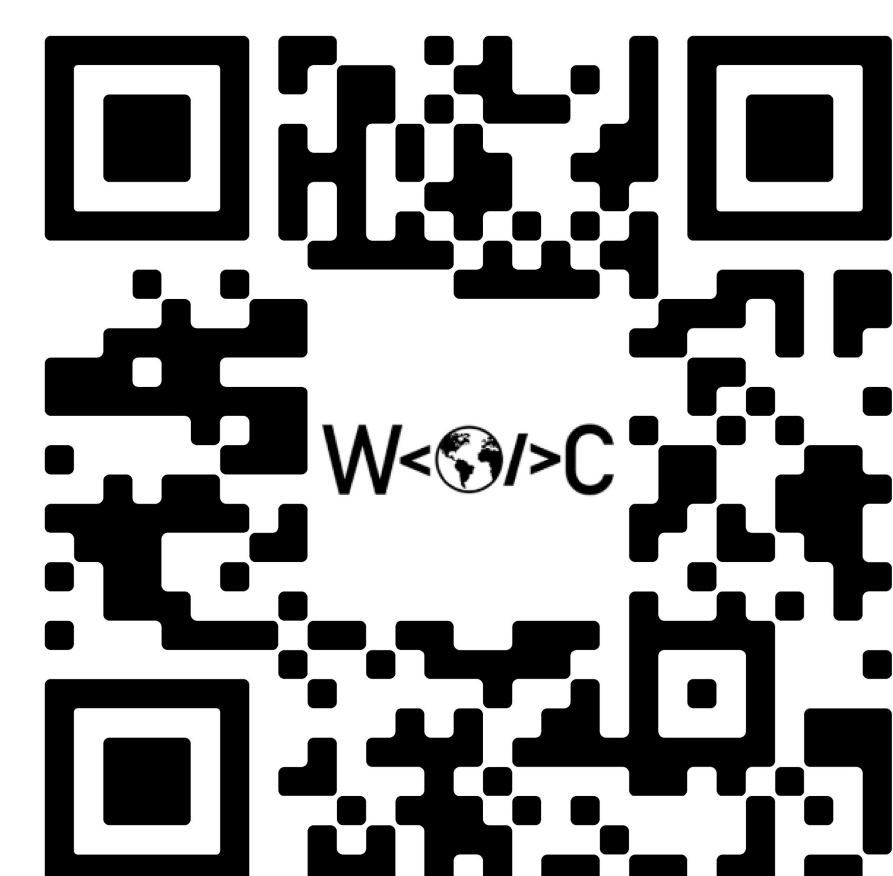
Support and Training

- Active status monitoring for website and da servers for reliable availability
- Join the community:
 1. Request help with tutorial or tool functionality: <https://github.com/woc-hack/tutorial/issues>
 2. Request enhancements for lookup or Python APIs: <https://bitbucket.org/swsc/lookup/issues>
<https://github.com/ssc-oscar/oscar.py/issues>
 3. Request help for access or tutorial issues by joining the Discord server



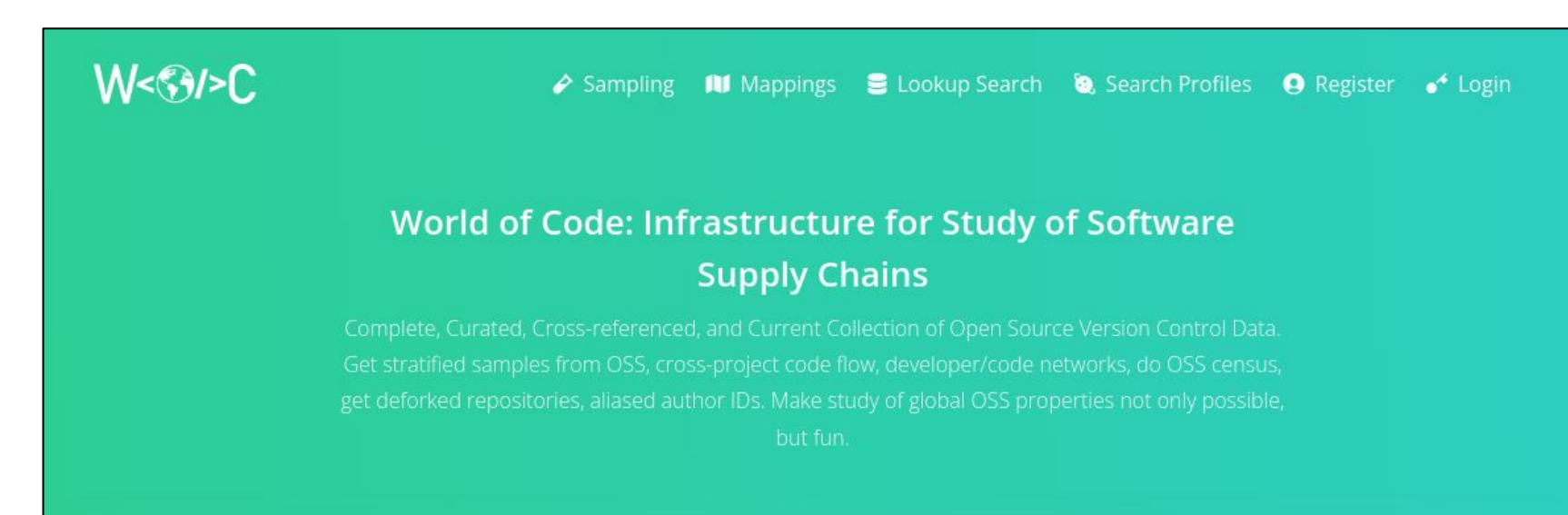
WoC Hackathon

- Dates: November 17 – 19
- Location: Knoxville, TN
- Hybrid Event
- Register by filling out the registration form
- For more information, please visit: <https://github.com/woc-hack/hackathon-knoxville-2023>

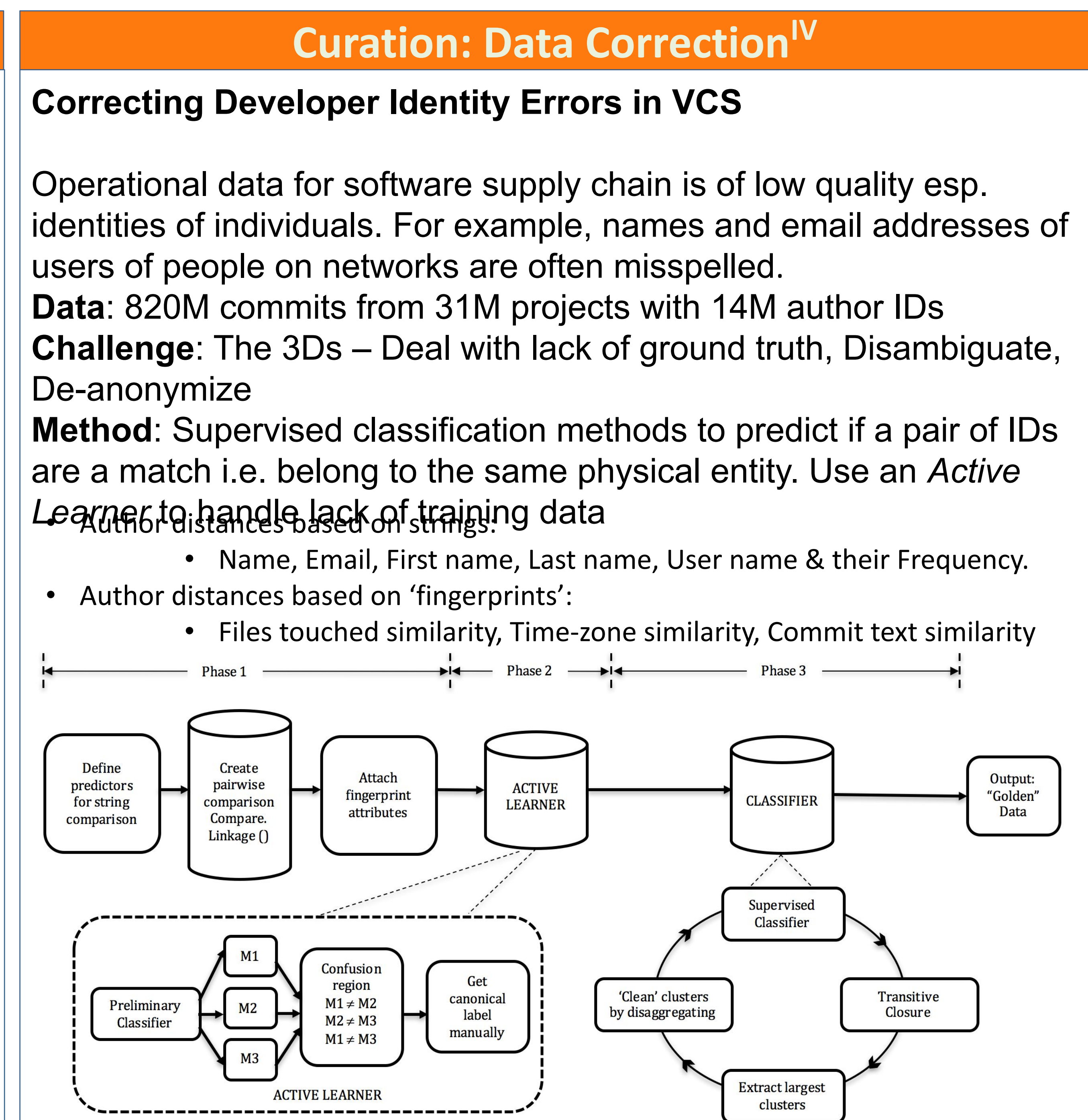
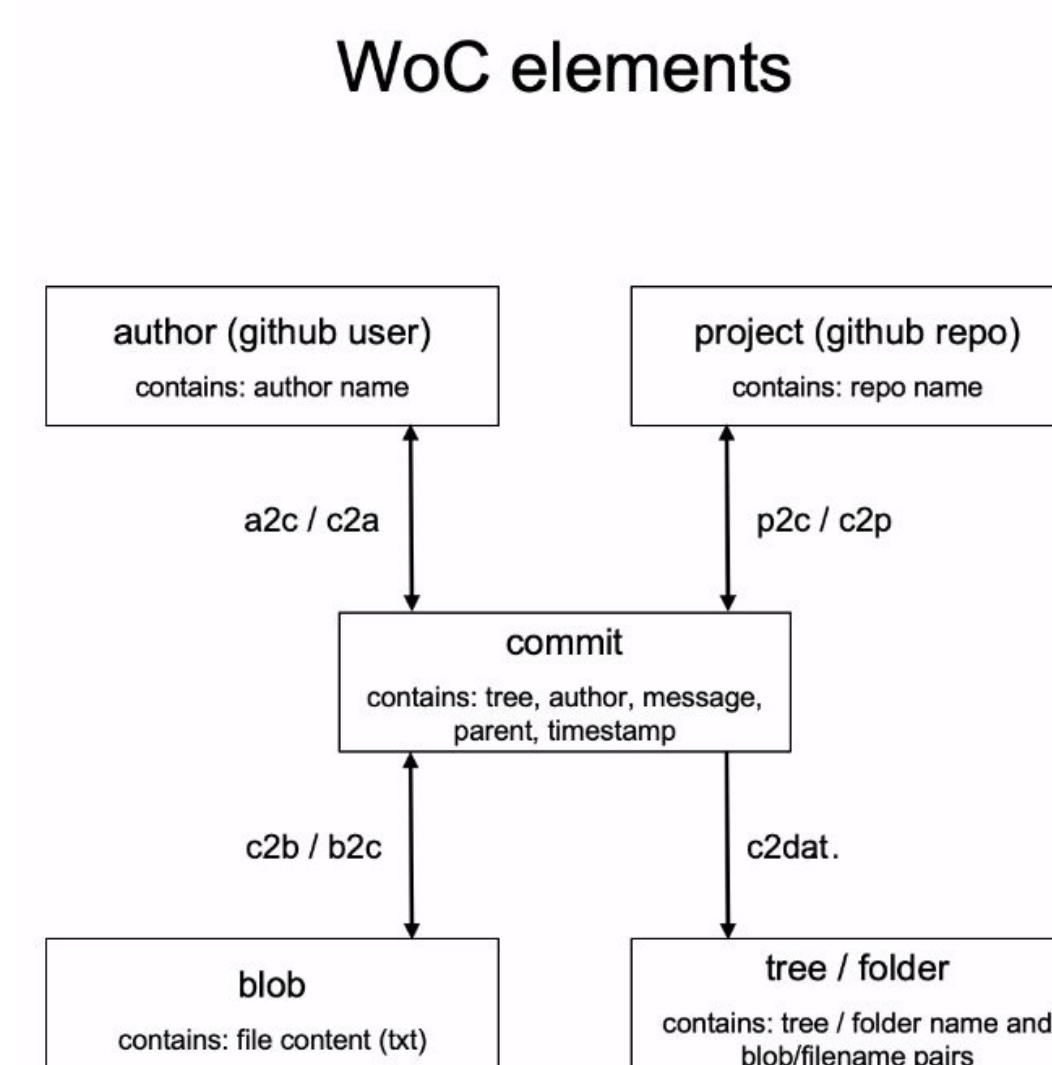


User Functionality

1. WoC website: <https://worldofcode.org>
 - Provides an easy-to-use graphical interface to make tools accessible
 - Tools:
 1. Sampling
 2. Mappings
 3. Lookup Search
 4. Search Profiles



2. DA Servers:
 1. Visit the GH tutorial repo at <https://github.com/woc-hack/tutorial>
 2. Request access through Google Form in the GH tutorial repo
 3. Login to da servers and setup ssh keys
 4. Use available APIs to inspect WoC elements:
 - Shell APIs: <https://bitbucket.org/swsc/lookup>
 - Python APIs: <https://github.com/ssc-oscar/oscar.py>



Examples of Supported Research

- With need for
- Completeness (provenance),
 - Ability to reconstruct past states of the world
- Support Supply-Chain Software Development
- Individual activity over projects
 - Code/API spread over time
- Create Universal Version History tools
- Detect/Fix orphan vulnerabilities
 - Identify license violations
 - Establish quality of the code
 - Curate LLM training data
- Better empirical research: escape convenience sampling

E.g., Orphan Vulnerabilities

- Vulnerabilities in copied code that still exist in a project after they are discovered and fixed in another project.
- Code is cloned and committed, not imported from a library or package manager.
- Link to the original code does not exist or is not readily available.
- Often overlooked part of the software supply chain.
 - Not in a linkable library
 - Not in a package manager
 - Becomes part of the new project