GOALS, DIRECTIONS, POSSIBILITIES, THOUGHTS

A: Patron Indexing & Scan to Submit within an Hour with Implicit Indexing (research)

- patron indexing (work toward enabling others to process a book)

- complete COMET revision

- build GreenQQ patron indexer interface

- move testing and PRF & summary reporting pipeline to dithers

- find and download a collection of documents for patron field testing (Eagle projects)

- Scan to Submit within an Hour (work toward having a prototype for FamilySearch evaluation)

- code auto-tree-generated pipeline

- write CoMoDiH paper

- implicit indexing (work toward creating a “Green” feedback loop for implicit indexing)

- implement initial name selection (form fill & capture of implicit indexing info)

- brainstorm issues involved in using GreenQQ for implicit indexing

B: Patron Indexing & Scan to Submit within an Hour with Indirect Indexing (tech transfer)

- Image Capture & Preprocessing: multilingual OCR and HWR (multilingual COMET)

- User Search: hybrid keyword and semantic search (HyKSS)

- Form Fill: automatic initialization; document-specific form fill; user correction (COMET)

- Error Correction: adjustment to search repository (rerun of downstream pipeline)

- Tree Import: check constraints; check for duplicates; resolve duplicates; post information

(ConstraintEnforcer, standardization & inference, D-Dup-like interface, source documentation)

C: Miscellaneous

- tools: OntoES, GreenFIE, ListReader + (for implicit indexing) Green-ML & Green-NLP

- papers: CoMoDiH, perhaps for invitations: GreenFIE (w/ Tae Woo) & ListReader (w/ Thomas)

- grand challenges (to which we may be able to contribute):

- “Green Interaction” (systems that improve while being used for real-world applications)

- “Teaching Computers to Read” (cognitive computing grand challenge)

- “Web of Knowledge” (WoK vision with FamilySearch as an example)