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)