GOALS, DIRECTIONS, POSSIBILITIES, THOUGHTS

A: Research: Patron Indexing & Family Reconstitution & Scan to Submit with Implicit Indexing

- Patron Indexing (work toward enabling others to process a book)

- build GreenQQ patron indexer interface (SL&DE&DL)

- move pipeline to dithers (DE&SL)

- find and get a collection of documents for patron field testing (DE&JM)

- Family Reconstitution (work toward having a prototype that adds genealogies to LLS)

- finish coding and testing tree-generation pipeline (SW&DE)

- write journal paper (DE&SL&DL&SW)

- resolve issues regarding actual ingest of generated GedcomX into LLS (DE&JM)

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

- discuss how to use FS search to instantiate prefilled COMET records (DE&JM)

- discuss how to use filled COMET records to generate GreenQQ extraction templates (DE&SL&DL)

- discuss how to integrate checked&corrected Tree-Ready info into FS-Tree ingest (DE&SW&JM)

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

- generate GreenQQ rules from edited Tree-Ready COMET interface (SL&DE)

- discuss auto-correction of GreenQQ rules from edited Tree-Ready COMET (DE&GN&…)

B: Tech Transfer: Patron Indexing & Family Reconstitution & Scan to Submit with Indirect Indexing

- Image Capture & Preprocessing: immediate transfer of images; multilingual OCR

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

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

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

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

C: Miscellaneous

- tools: OntoSoar; for self-correction in implicit indexing: GreenQQ & Green-ML

- papers: record linking; if invited: GreenFIE (w/ Tae Woo) & ListReader (w/ Thomas)

- grand challenges (to which we can 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)