GOALS, DIRECTIONS, POSSIBILITIES, THOUGHTS

A: Family Reconstitution & Patron Indexing & Scan to Submit with Implicit Indexing (research)

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

 - code auto-tree-generation pipeline (much done; finish:SW&DE)

 - write CoMoDiH Wkshp paper (done); write Journal paper

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

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

 - complete COMET revision (done; tweak:SL)

 - build GreenQQ patron indexer interface (Web:SL, csv:DE, python:GN&DE&DL)

 - move testing and PRF & summary reporting pipeline to dithers (DE&SL)

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

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

 - create Tree-Ready COMET interface (done; tweak:SL)

 - define input file specification and code its transformation from COMET-json (DE&JM)

 - integrate the generation of COMET-json into FamilySearch keyword search (DE&JM)

 - 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 (use GreenQQ & GreenML, update of search repository, …)

B: Family Reconstitution & Patron Indexing & Scan to Submit with Indirect Indexing (tech transfer)

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

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

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

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

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

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

C: Miscellaneous

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

 - papers: CoMoDiH+ for journal; if invited: 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)