Cleora injectaria (Walker, 1860), to MV light, Aranda, ACT, 28/29 October 2008
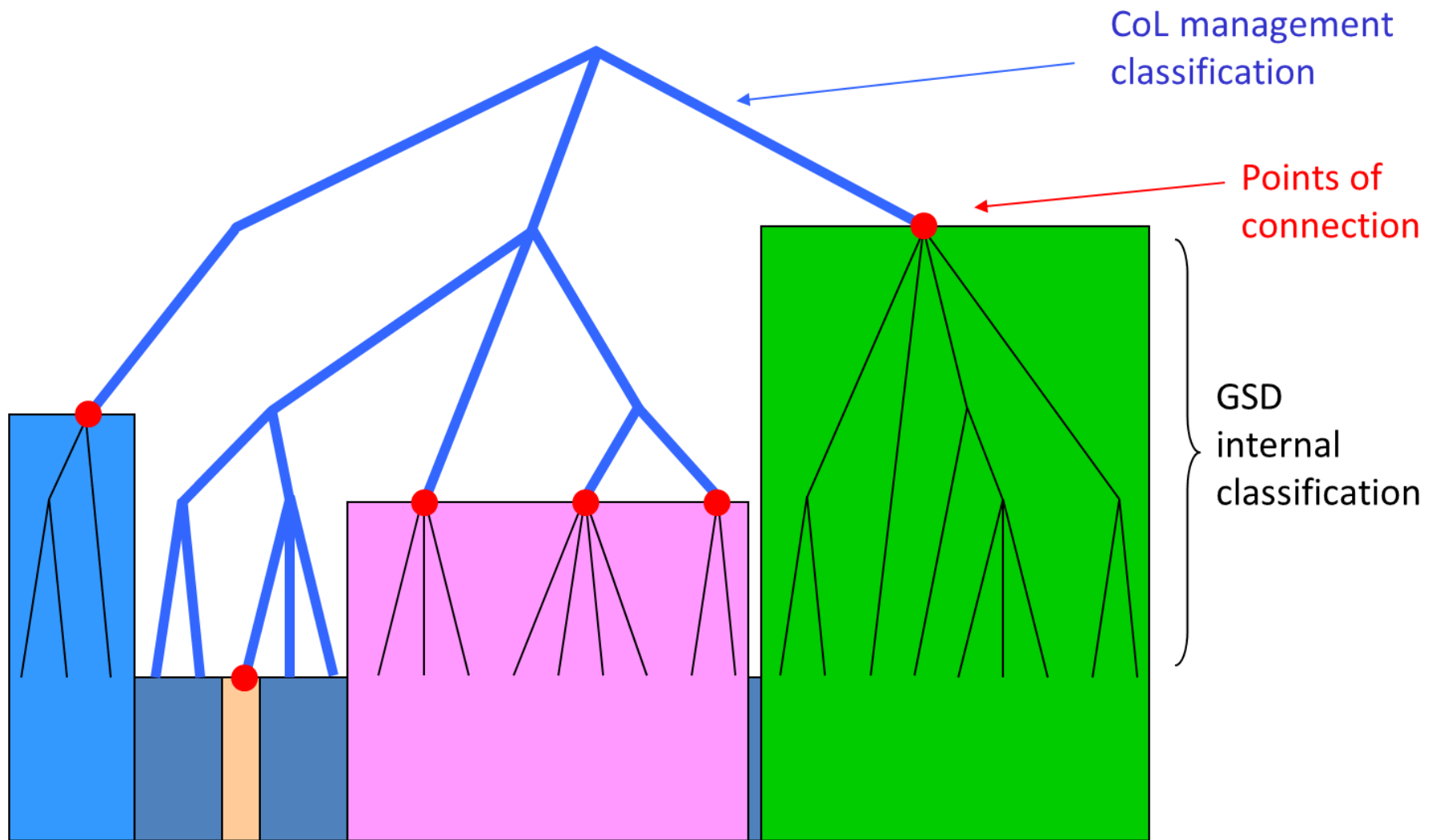
TaxonWorks and LepIndex

TaxonWorks Together 2021 Nomenclature Discussion

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Catalogue of Life

Lepidoptera in Catalogue of Life

- **Source databases in COL (2019):**
  - Global Gracillariidae - Gracillariidae
  - GloBIS (GART) – Lycaenidae, Papilionidae, Pieridae
  - Nepticuloidea – Nepticulidae, Opostegidae
  - Pterophoroidea – Pterophoridae, Macropiratidae
  - Tineidae NHM – Tineidae
  - LepIndex – Everything else

- **Number of species listed (2019):** 149,845
  - 149,827 living, 18 extinct

- **Estimated number of described species:** 158,570
  - Zhang Z.-Q., ed. (2011). Animal biodiversity: An outline of higher-level classification and survey of taxonomic richness. Zootaxa 3148: 1–237

- **Estimated percentage covered:** 94%
  - But: COL contains 186 species in Alucitoidea – only 72% of actual number 258 species

LepIndex and TaxonWorks

- LepIndex imported into TaxonWorks

- Several experts have improved content

- Until recently, difficult to export data for COL

- Even harder to import cleaner/cleaned datasets for particular families, etc.

- Working now (VERY slowly) to update COL LepIndex with current TaxonWorks version

- Then keen to welcome more Lepidoptera taxonomists to assist

Experience with TaxonWorks

- Cleaner/clearer than other checklist tools I have used

- Richer function than LepIndex needs today

- Steep learning curve for names, combinations, OTUs

- LepIndex references messy and hard to clean up

- Wish: ability to link names directly to a page in BHL

- Wish: safe and easy round-trip export-clean-import

- Wish: traffic-light system for tracking curation status

- Wish: variable permissions allowing guest suggest-mode and curator/editor approval