

International Subcommittee on *Colletotrichum* Taxonomy

Presentation for IMC10
Nomenclatural Sessions

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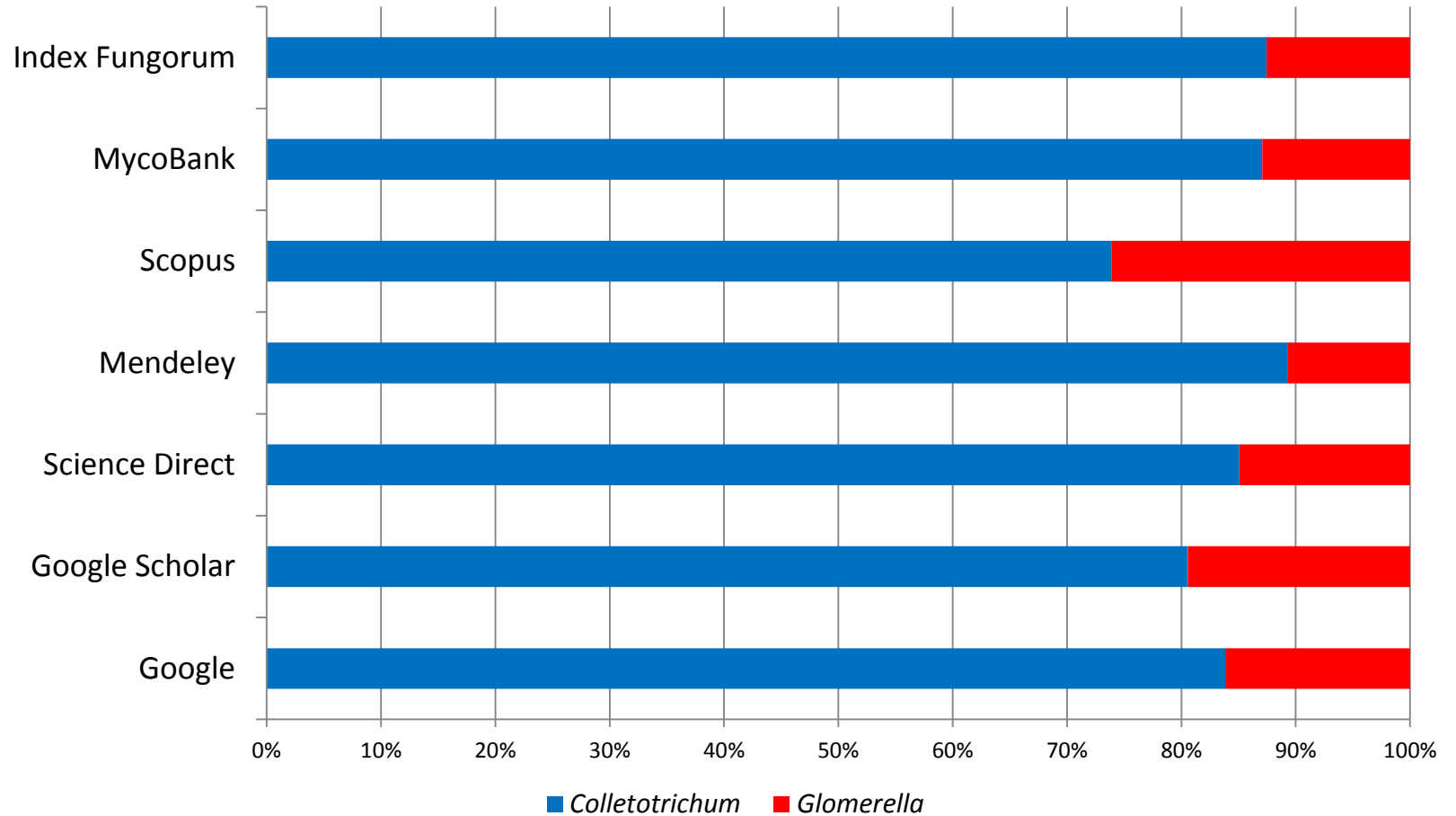
Process

- Names data from recently published revisions
 - Hyde et al. 2009 “Names in current use” FD 39: 147
 - summarised and consensus in Cannon et al. 2012 SIM 73: 181
- Google Docs list of new names since that publication
- Email discussion group
- Anonymous voting (survey monkey) on proposals

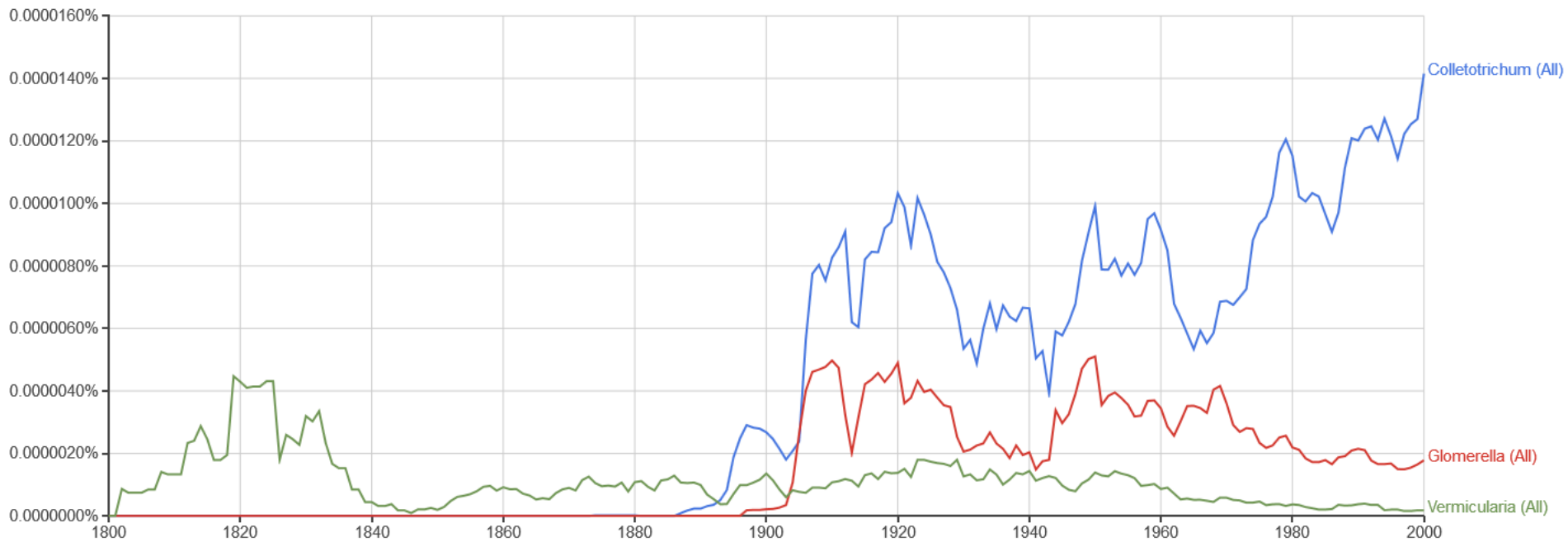
Critical decisions

- ***Colletotrichum*** 1831 (A) over *Glomerella* 1903 (T)

Usage: Databases



Usage: ngrams



Vermicularia

- *Vermicularia* Tode 1790
 - not a synonym of *Colletotrichum*
- *Vermicularia* Fr. 1849, nom. illegit.
 - type: *Sphaeria dematium* Pers.
 - synonym of *Colletotrichum*
 - Not competing on priority

Gloeosporium (Montagne 1849)

- Used for *Colletotrichum* without conidiomatal setae
 - But production of setae is variable
- The type (*G. castagnei*) is currently included in *Marssonina*
- Not competing on priority

Protected species

- ***C. gloeosporioides*** (Penz.) Penz. & Sacc. (1884)
Basionym: *Vermicularia gloeosporioides* Penz. (1882)
(nom. cons. prop.)
 - = *Gloeosporium aurantiorum* Westend. (1854)
 - = *Gloeosporium depressum* Penz. (1882)
 - = *Gloeosporium hesperidearum* Catt. (1879)
 - = *Gloeosporium intermedium* Sacc. (1880)

NB: synonymy has not been confirmed, and is based on host-association, geography, and examination by von Arx in a broad species complex sense

Glomerella species names?

- Often very difficult to link morphs
 - Most are unknown in modern context
- *Glomerella acutata*
 - Hybrid between *C. acutatum* and *C. fioriniae*
- *Glomerella truncata*
 - Not same taxon as *C. truncatum*
 - Needs a nom. nov.

Suppressed (Rejected) list

- Some utility
 - Removing old names with poor specimen and no culture or DNA sequence.
- But no consensus to produce such a list
- Also no consensus on a “forgotten names” rule

Protected lists proposal

- Supported by members
- Must have an **ex-type culture** (ex-holotype or ex-epitype culture etc.)
- Must include type details, DNA barcode details, and subgeneric group (sp. 'complex')
- Initially 9 historically important plant pathogens that correlate with morphological sp. concepts

Species complexes

