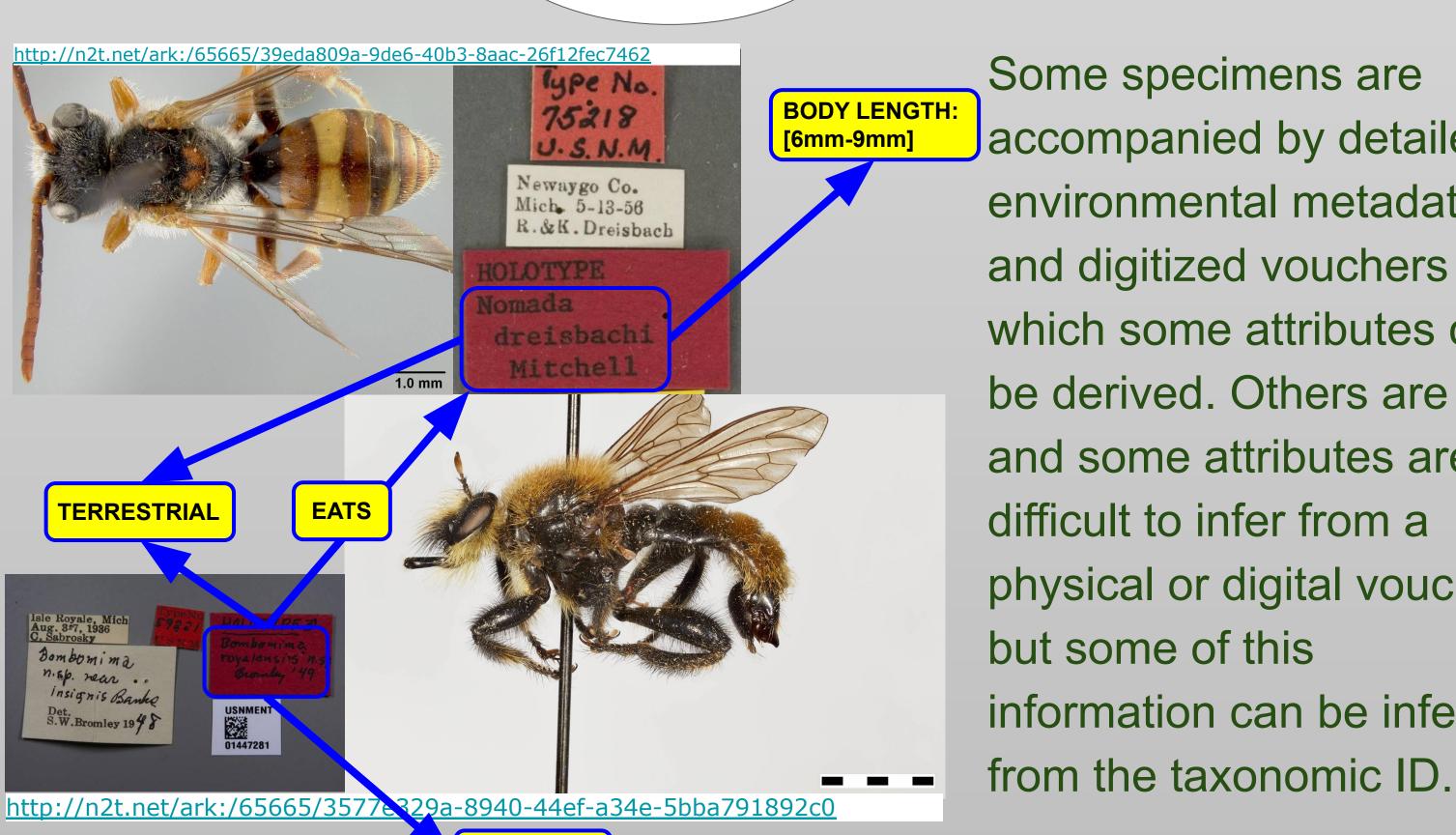
Specimen search facets via taxon->attribute inference

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Let's see... What are the effects of changing climate at higher trophic levels?

Several regions have good historical specimen coverage for predatory terrestrial arthropods. Can I find an area with contemporaneous coverage of known prey species too?

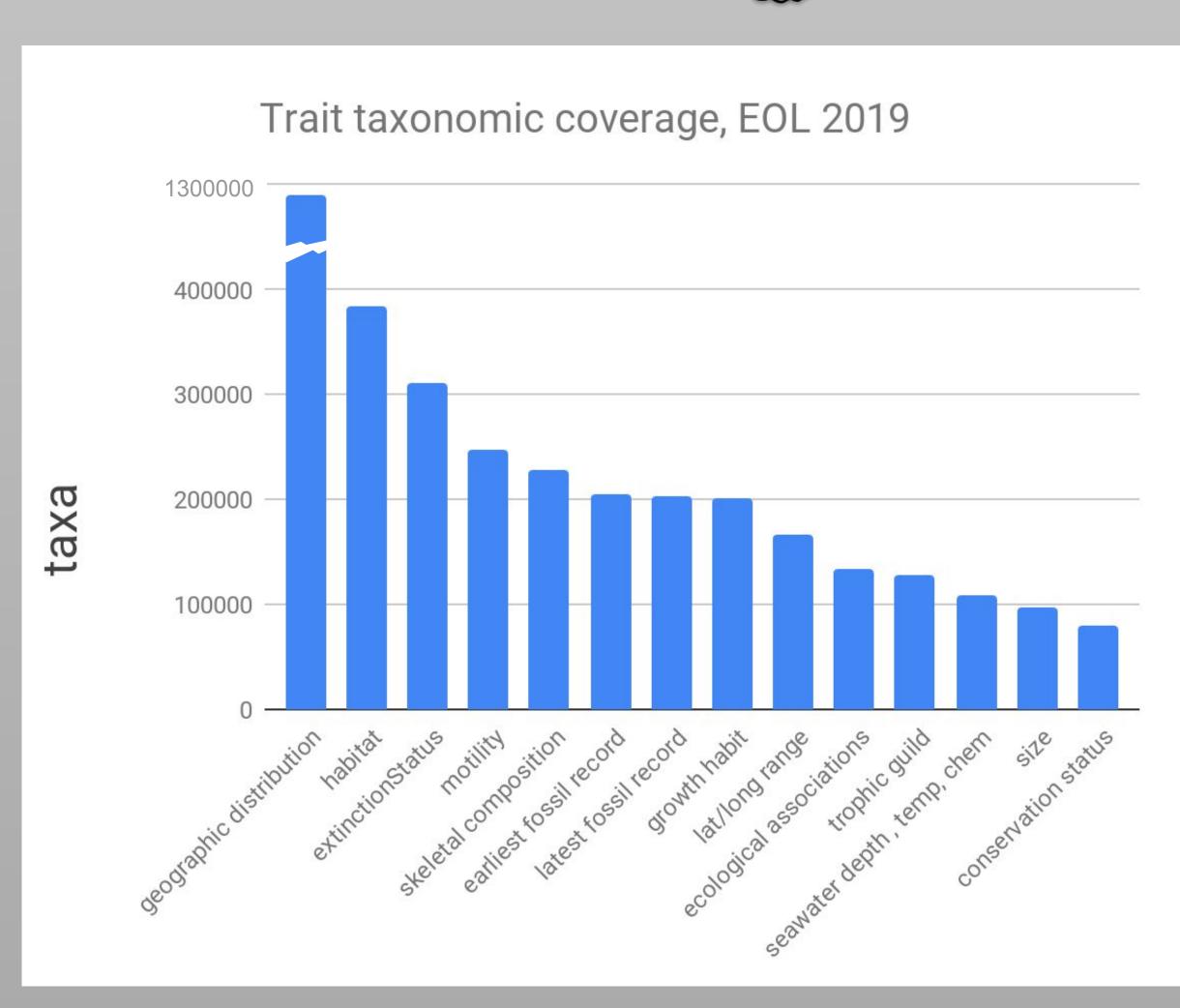
The Great Lakes region looks pretty good. What body size range can I expect from those records? Looks like most will cluster between about 0.5 and 3 cm. If body sizes are changing, I wonder if different size classes are affected differently.



This is an update for data coverage of open access attribute data and available services that can support discovery of specimen records via taxon level attribute search. Significant coverage is available for habitat (380k species), plant growth habit (200k species), metazoan skeletal composition (230k spp.) and motility (250k spp.) Fair coverage is available for ecological relationships, body size metrics and trophic guild (>100k spp. each). Other attributes tend to cluster in particular taxonomic groups (life history traits for Mammals, etc.) Data are available by API, and export files can be constructed for significant use cases.

PREDATOR

Some specimens are accompanied by detailed environmental metadata, and digitized vouchers from which some attributes can be derived. Others are not, and some attributes are difficult to infer from a physical or digital voucher; but some of this information can be inferred



- APIs: https://github.com/EOL/eol_website/blob/master/doc/api.md
- Search interface w/csv download: https://eol.org/terms/search
- Other downloads: https://opendata.eol.org

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