

of semantics, the model can be left out of the representation; data can be represented simply as a series of key-value pairs, and then the consumers can ingest the data into their own models.

For representing phenophases, we forgo (for now) the observational ontologies mentioned in Section 2, and instead make use of two terms from the Darwin Core measurement class: *measurementType*, and *measurementValue*. This allows us to embed the phenophase observation within a Darwin Core occurrence record as, e.g.

```
DwC:measurementType phenophase
DwC:measurementValue first_flower
```

To the extent possible, we represent competency questions as sparql queries (see, e.g., 11), and use these to evaluate our approach.

5 Conclusions

Our current development effort is aimed at answering three questions: Can appropriate tag-cloud interfaces serve as feedback mechanisms for ontologies, and be used to propose new terms?; Can simple RDF representations of biodiversity data support citizen science use cases?; and Is Facebook a good platform for citizen science? We invite comments on our approach, suggestions for further use cases.

6 References

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