Enabling Semantic Ecoblogging and Bioblitzes



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OWL, RDF, and the Semantic Web

OWL (Web Ontology Language) and the related RDF (Resource Description Framework) are XML-style languages designed to represent the semantics of data. Web documents in these formats can be sensibly interpreted, discovered, aggregated, and integrated.

The problem with **Ecoblogs and Bioblitzes**

People currently create Eco-blogs: stoies about wildlife they have seen or observations they've made. Similarly, citizen and scientists work together on Bioblitzes to comprehensively report as many species as possible from an area. Currently, none of this information is easily discovered or integrated.

Our solution

We developed and have tested two tools that aim to make it easier for individual scientists and citizens to convert their information to RDF and OWL. Of 1200 Blogger BioBlitz observations, 47 of them were of species defined as "of concern" by USFWS.

Spotter Firefox extension for adding observation data in RDF to blogs



RDF123 Publishing spreadsheet data in RDF



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