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#203 Summary

SUMMARY   REVIEW   EDITING

Submission

Authors	Javier de la Torre, Tim Sutton, Bart Meganck, Dave Vieglais, Aimee Stewart, Peter Brewer, Renato de Giovanni
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Title and Abstract

Title

The BiogeoSDI workshop: Demonstrating the use of TDWG and OGC standards together

Abstract

A week long workshop was held in Campinas, Brazil during the first week of April 2007. The focus of the workshop was to develop a testbed web application that demonstrates the interoperability of digital data and services using open standards - with particular emphasis on geospatial, taxonomic and occurrence biodiversity data.

Two prototype web applications were developed in PHP and Flex. The wizard style application leads the user through a defined sequence of steps in order to acquire sufficient data to create a niche model. The process includes taxonomic validation using the Catalogue of Life, search and retrieval of occurrence data using services such as GBIF portal or WFS, selection of raster layers representing environmental data needed in the modeling process, and modeling these data using the openModeller Web Service in order to create a probability surface that represents areas where a species is likely to be able to survive.

The workshop highlighted just how easy it is to rapidly create such a feature rich application using open access to data, free software and open standards. It also highlighted some areas where further work is needed in order to truly be able to blend these kinds of services into a cohesive computing platform. Finally, suggestions were made for improving OGC and TDWG standards in a report that is also available online (http://wiki.tdwg.org/twiki/bin/view/Geospatial/InteroperabilityWorkshop1).

In this talk the prototype will be demonstrated and the issues we had while developing it will be highlighted.

Indexing

Language   —

Supporting Agencies

Agencies   TDWG, CRIA, University of Kansas, Africanmuseum, IMASTE-IPS