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Conference Abstract

Building a Taxonomic Data Editor: ITIS Taxonomic Workbench 6.0

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Abstract

The Integrated Taxonomic Information System (ITIS - www.itis.gov) provides a regularly updated global database that currently contains over 840,000 scientific names and their hierarchy. A new rich Internet application for adding and editing ITIS data, Taxonomic Workbench 6.0, is being developed using the AngularJS framework. AngularJS is designed to take advantage of many features that are fairly recent to the web platform, facilitates a well-structured product that is easier to maintain, and has integrated features that allow development teams to efficiently deploy, administer, and update an application with high quality.

The new version of the Taxonomic Workbench is being designed to allow ITIS Data Stewards to check-out ITIS taxonomic data, make updates, review and enhance quality, and check-in the updates back to ITIS. This will make editing ITIS easier and quicker without sacrificing data quality. The benefit will be increased data usability through frequent updates and expansion of contributors to fill gaps in ITIS taxonomic coverage.

Keywords

taxonomy, scientific names, database, AngularJS

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