

InfoVeg - Bug #2842

Incorrect mapping of nominal concepts

05/14/2007 03:14 PM - Robert Peet

Status:	New	Start date:	05/14/2007
Priority:	Normal	Due date:	
Assignee:	Xianhua Liu	% Done:	0%
Category:	atlas	Estimated time:	0.00 hour
Target version:	Unspecified	Spent time:	0.00 hour
Bugzilla-Id:	2842		
Description			
The relationships for Quercus falcata show: Quercus falcata (Weakley 2005) = Quercus rubra (nominal)			
This derives from the relationship Quercus falcata (Weakley 2005) = Quercus rubra (Small 1933,1938). This in turn results in specimens of Q rubra (nominal) being mapped unambiguously as Q. falcata (Weakley 2005). However, Q falcata (Weakley 2005) does not overlap Q rubra (Weakley 2005) so the Q rubra specimens should at best be ambiguous.			
This calls for a revision of the rules for determining nominal relationships. Specifically, before an = relationship is accepted we need to search for other relationships to Weakley concepts based on the name in question.			
Related issues:			
Is duplicate of InfoVeg - Bug #2942: Nominal concepts -- the case of Quercus ...		Closed	09/08/2007

History

#1 - 06/17/2007 11:51 AM - xianhua liu

The issue is that the Weakley concepts are not considered when we infer the relationships to nominal concepts. Go back to the Quercus falcata example I have following concerns:

1. It seems that there should be more relationships between Quercus falcata (Weakley 2005) and Quercus rubra (other references). If Quercus falcata (Weakley 2005) = Quercus rubra (Small 1933,1938) is the only relationship, it is not necessary to have the concept Quercus rubra (Weakley 2005). So we must have some other relationships like: Quercus falcata (Weakley 2005) > (or <) Quercus rubra (FNA ?). So, the issue could be in the incomplete list of relationships.

2. How to change the rule if it is needed.

Given:

- Quercus falcata (Weakley 2005) = Quercus rubra (Small 1933,1938)
- Q falcata (Weakley 2005) does not overlap Q rubra (Weakley 2005)

A reasonable inferring result can be Quercus falcata (Weakley 2005) < Quercus rubra (nominal).

Xianhua

#2 - 06/20/2007 06:57 PM - Robert Peet

Your proposed rule seems appropriate. At a minimum we check to see whether there is an equal-rank but different (and thus disjunct) Weakley concept that has a name that matches one or more names of concepts that have at least an overlapping relationship to the weakley concept in question.

Bob

#3 - 09/08/2007 12:56 PM - Robert Peet

- Bug 2942 has been marked as a duplicate of this bug. ***

#4 - 09/08/2007 01:18 PM - Robert Peet

We need to implement this change soon.

There is a related issue, Very few if any museum collections follow Small for the concept and name of Q. rubra falcata W = Q rubra Small. It would be helpful if we added an administrative option to delete consideration of a specific relationship in determination of the nominal relationships (and a

note on the relationship page might be in order too, such as a * symbol after the W-S relationship. If we had this, I could as administrator simply mark the relationship as not considered and have a better map.

#5 - 03/27/2013 02:21 PM - Redmine Admin

Original Bugzilla ID was 2842