Maintaining consistency through a staggered delivery process

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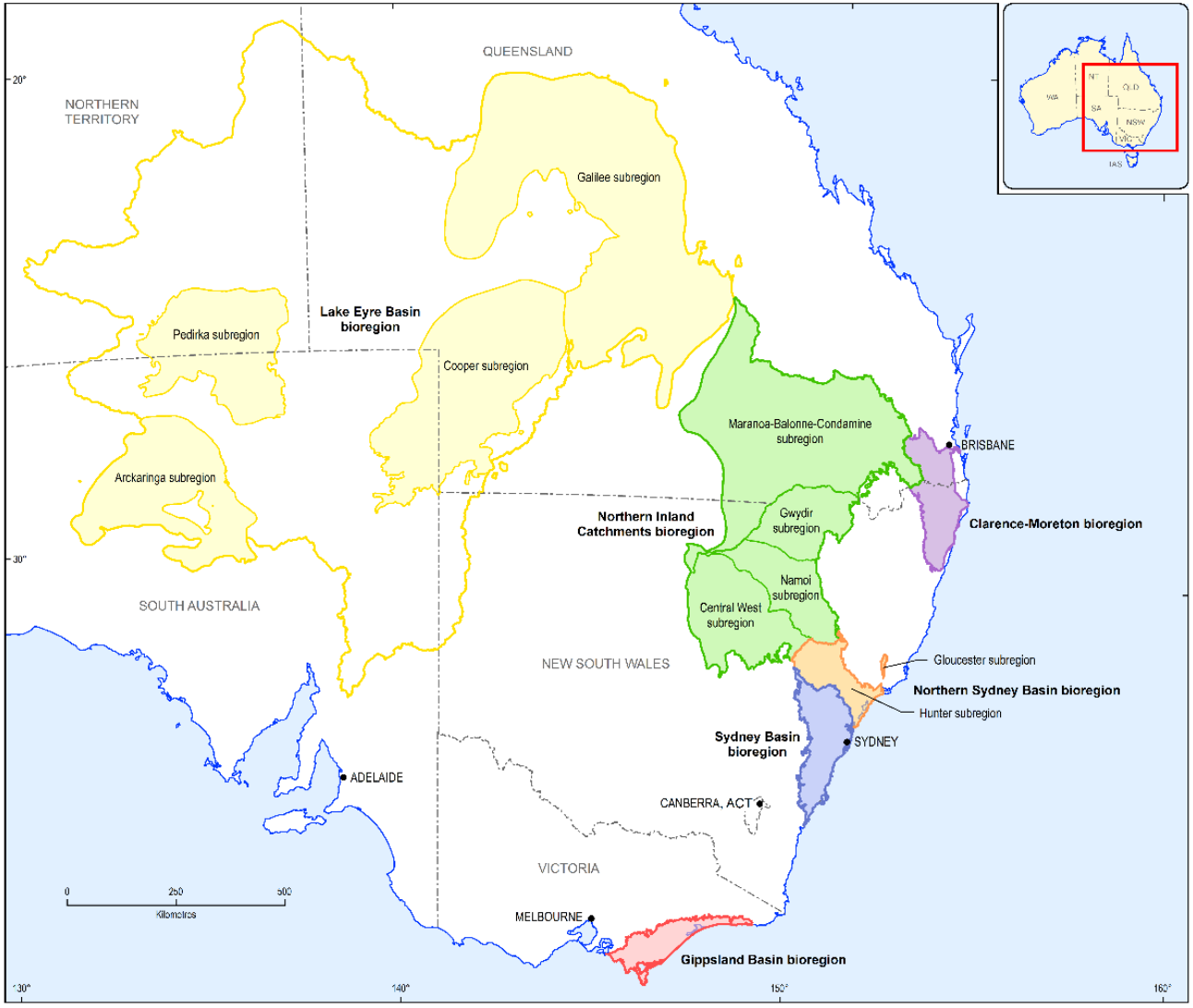
7 May 2015

LAND AND WATER FLAGSHIP
www.csiro.au

Overview

- The Bioregional Assessment Programme
- EditQueries and terminology standards
- PerfectIt and custom style sheet
- Controlled vocabulary and glossary service
- Future work

The Bioregional Assessment Programme



What are the **impacts** of **coal mining** and **coal seam gas extraction** on **water resources**?

Products

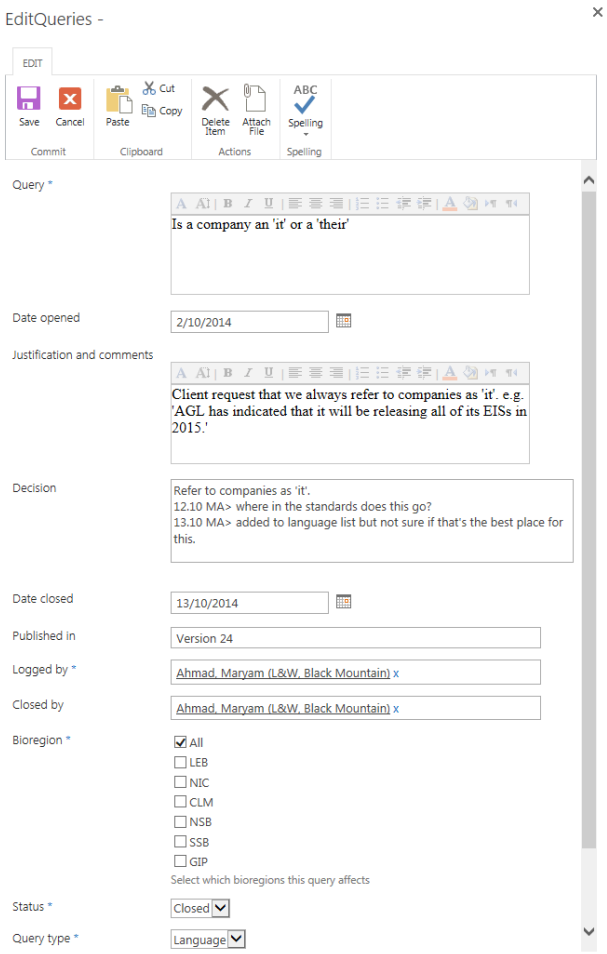
Component	Product code	Information	Section in the BA methodology[a]	Report
Component 1: Contextual information for the bioregion or subregion	1.1	Context statement	2.5.1.1, 3.2	■
	1.2	Coal and coal seam gas resource assessment	2.5.1.2, 3.3	■
	1.3	Description of the water-dependent asset register	2.5.1.3, 3.4	■
	1.4	Description of the receptor register	2.5.1.4, 3.5	■
	1.5	Current water accounts and water quality	2.5.1.5	■
	1.6	Data register	2.5.1.6	
Component 2: Model-data analysis for the bioregion or subregion	2.1-2.2	Observations analysis, statistical analysis and interpolation	2.5.2.1, 2.5.2.2	■
	2.3	Conceptual modelling	2.5.2.3, 4.3	■
	2.4	Two- and three-dimensional representations	4.2	[b]
	2.5	Water balance assessment	2.5.2.4	■
	2.6.1	Surface water numerical modelling	4.4	■
	2.6.2	Groundwater numerical modelling	4.4	■
	2.7	Receptor impact modelling	2.5.2.6, 4.5	■
Component 3: Impact analysis for the bioregion or subregion	3	Impact analysis	5.2.1	■
Component 4: Risk analysis for the bioregion or subregion	4	Risk analysis	2.5.4, 5.3	■
Component 5: Outcome synthesis for the bioregion	5	Outcome synthesis	2.5.5	■

Scope and scale of editing for the Bioregional Assessment Programme

- Six distinct authoring teams with individual team cultures
- Review and approvals process includes two stages of review and approval through each of the four agencies
- Degree to which editors can influence content tapers off the further a product gets into the review and approvals process
- Three main tasks:
  - Initial edit
  - Response to review
  - Final proofread

Harvesting terms: EditQueries

- Microsoft SharePoint list for harvesting terminology questions
- Editors are main users of this tool but authors are welcome to contribute also
- Editors contribute research and help to mediate a cross-disciplinary decision
- There is a formal approval process for terminology


EditQueries -
EDIT
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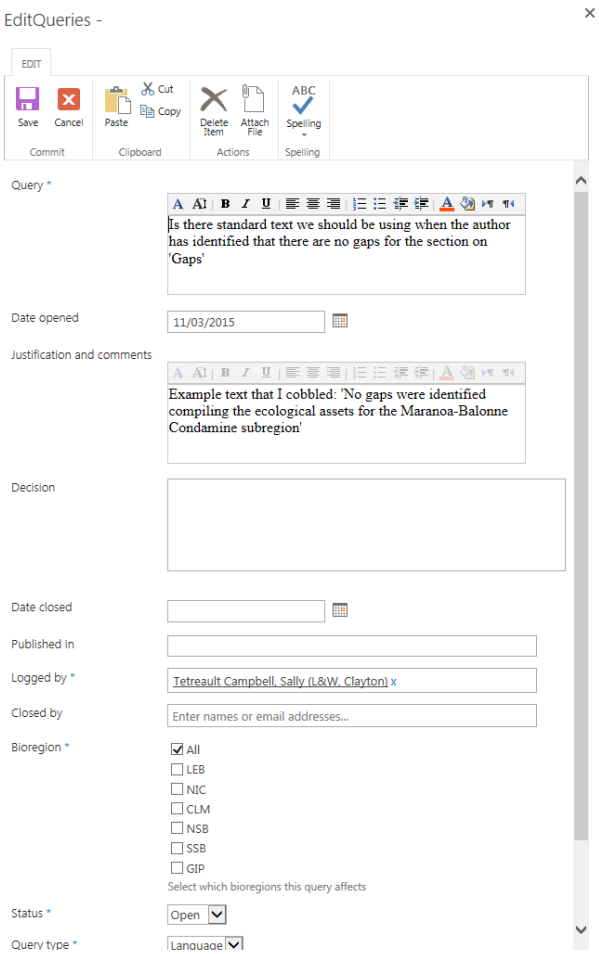
Attach File
Spelling
Commit
Clipboard
Actions
Spelling
Query *
Is a company an 'it' or a 'their'
Date opened
2/10/2014
Justification and comments
Client request that we always refer to companies as 'it'. e.g. 'AGL has indicated that it will be releasing all of its EISs in 2015.'
Decision
Refer to companies as 'it'.
12.10 MA> where in the standards does this go?
13.10 MA> added to language list but not sure if that's the best place for this.
Date closed
13/10/2014
Published in
Version 24
Logged by *
Ahmad, Maryam (L&W, Black Mountain) x
Closed by
Ahmad, Maryam (L&W, Black Mountain) x
Bioregion *
All
LEB
NIC
CLM
NSB
SSB
GIP
Select which bioregions this query affects
Status *
Closed
Query type *
Language


EditQueries -
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ABC
Spelling
Commit
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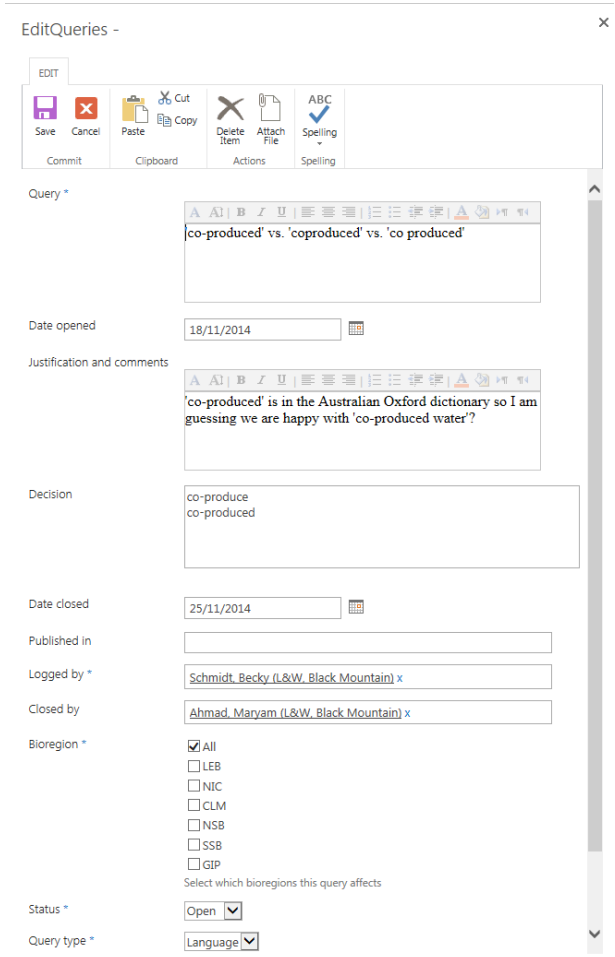
Spelling
Query *
Is there standard text we should be using when the author has identified that there are no gaps for the section on 'Gaps'
Date opened
11/03/2015
Justification and comments
Example text that I cobbled: 'No gaps were identified compiling the ecological assets for the Maranoa-Balonne Condamine subregion'
Decision
Date closed
Published in
Logged by *
Tetreault Campbell, Sally (L&W, Clayton) x
Closed by
Enter names or email addresses...
Bioregion *
All
LEB
NIC
CLM
NSB
SSB
GIP
Select which bioregions this query affects
Status *
Open
Query type *
Language

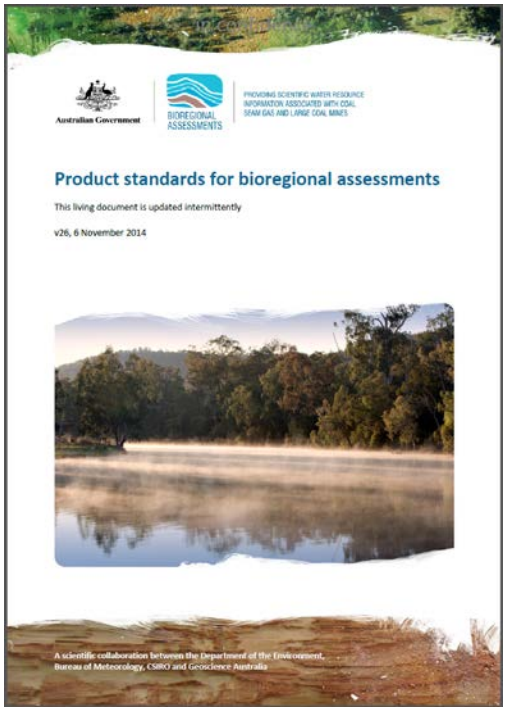

EditQueries -
EDIT
Save
Cancel
Paste
Cut
Copy
Delete Item
Attach File
ABC
Spelling
Commit
Clipboard
Actions
Spelling
Query *
'co-produced' vs. 'coproduced' vs. 'co produced'
Date opened
18/11/2014
Justification and comments
'co-produced' is in the Australian Oxford dictionary so I am guessing we are happy with 'co-produced water'?
Decision
co-produce
co-produced
Date closed
25/11/2014
Published in
Logged by *
Schmidt, Becky (L&W, Black Mountain) x
Closed by
Ahmad, Maryam (L&W, Black Mountain) x
Bioregion *
All
LEB
NIC
CLM
NSB
SSB
GIP
Select which bioregions this query affects
Status *
Open
Query type *
Language

Delivering terminology standards

- Currently done as a PDF file that is internally distributed to all authors
- Product coordinators are embedded in project teams to help authors access and understand standards
- Authors work closely with editors and learn

standards as they go

- Formal sign-off process



intake (one word)

inter-aquifer (hyphen)

interconnectivity (one word, no hyphen)

Intergovernmental Panel on Climate Change (IPCC)

Interim Biogeographic Regionalisation of Australia (IBRA) (when named in text, ensure that it is clearly an IBRA bioregion or IBRA subregion, e.g. 'the South East Queensland IBRA bioregion' or 'the Moreton Basin IBRA subregion')

Interim Independent Expert Scientific Committee on Coal Seam Gas and Coal Mining (IIESC, before June 2012)

Interim Program Leadership Group (until 9 August 2013)

Ipswich Coal Measures

IQQM (Integrated Quantity-Quality Model)

Irondate Coal

irrigation area (use only when referring to a value in km2; if referring to location of an irrigation development use 'irrigation site')

irrigation site

the ISO 31000:2009 standard (on first mention use 'AS/NZS ISO 31000:2009 Risk management – principles and guidelines')

isosurface

J

James Cook University (JCU)

Joe Joe Group

Juandah Coal Measures

~~judgement~~ (use 'judgment' instead)

judgment (not 'judgement')

K

Kandosols (not 'kandosols', not 'Kandosol soils')

Kati Thanda – Lake Eyre (use instead of 'Lake Eyre' but note that the name of the bioregion has not changed)

Katoomba Coal Member

Kianga Formation

Kidston Dam (not 'Copperfield Dam')

Koburra Trough

Kooroongarra seam

Koukandowie Formation

kriging

Kurosols (not 'kurosols', not 'Kurosol soils')

L

Lachlan Catchment Management Authority (LCMA)

~~Lake Eyre~~ ('Kati Thanda – Lake Eyre' instead but note that the name of the bioregion has not changed)

Lake Eyre Basin bioregion (do not shorten)

Lake Eyre Basin Bioregional Assessment (the Assessment)

lakebed (one word)

land system mapping

land use (two words, no hyphen even when adjective)

landholder (one word)

~~Landsat~~ (always specify which version of Landsat was used, e.g. 'Landsat TM' or 'Landsat MSS')

Landsat 7 ETM

in confidence

4 Language

Landsat MSS

Landsat TM

large coal mining (use instead of 'coal mining' in phrases such as 'impacts of coal seam gas and large coal mining development on water resources')

Leichhardt

Leloma Formation

licence (noun)

license (verb)

lidar

Lidsdale Coal

likelihood

liquefied natural gas (LNG)

Lithgow Coal

local government areas (LGAs; not capitalised when used generically)

local land services (LLS; not capitalised when used generically)

local land services regions (LLS regions; not capitalised when used generically)

loggers

long-term average extraction limit (LTAEL)

longwall mining

Lovelle Depression

low and high (not 'high and low')

low flow (noun)

lowercase

low-flow (adjective)

lowland(s) (check <http://www.asris.csiro.au> for official names but when used generically use 'lowland' as a modifier and 'lowlands' as a noun)

M

MacAlister seam

mAHD (not 'm AHD')

main stem (two words)

maize (do not use 'corn')

mangoes

Mann-Kendall tau statistic

map-maker

Maranoa

Maranoa-Balonne-Condamine subregion (in Northern Inland Catchments bioregion, do not shorten)

mASL (not 'm ASL')

material

materiality

Matters of National Environmental Significance (MNES)

Maules Creek Formation

mBGL

McKinlay Shire Council

mean (use in an arithmetic sense when referring to something that has been calculated; do not use 'average')

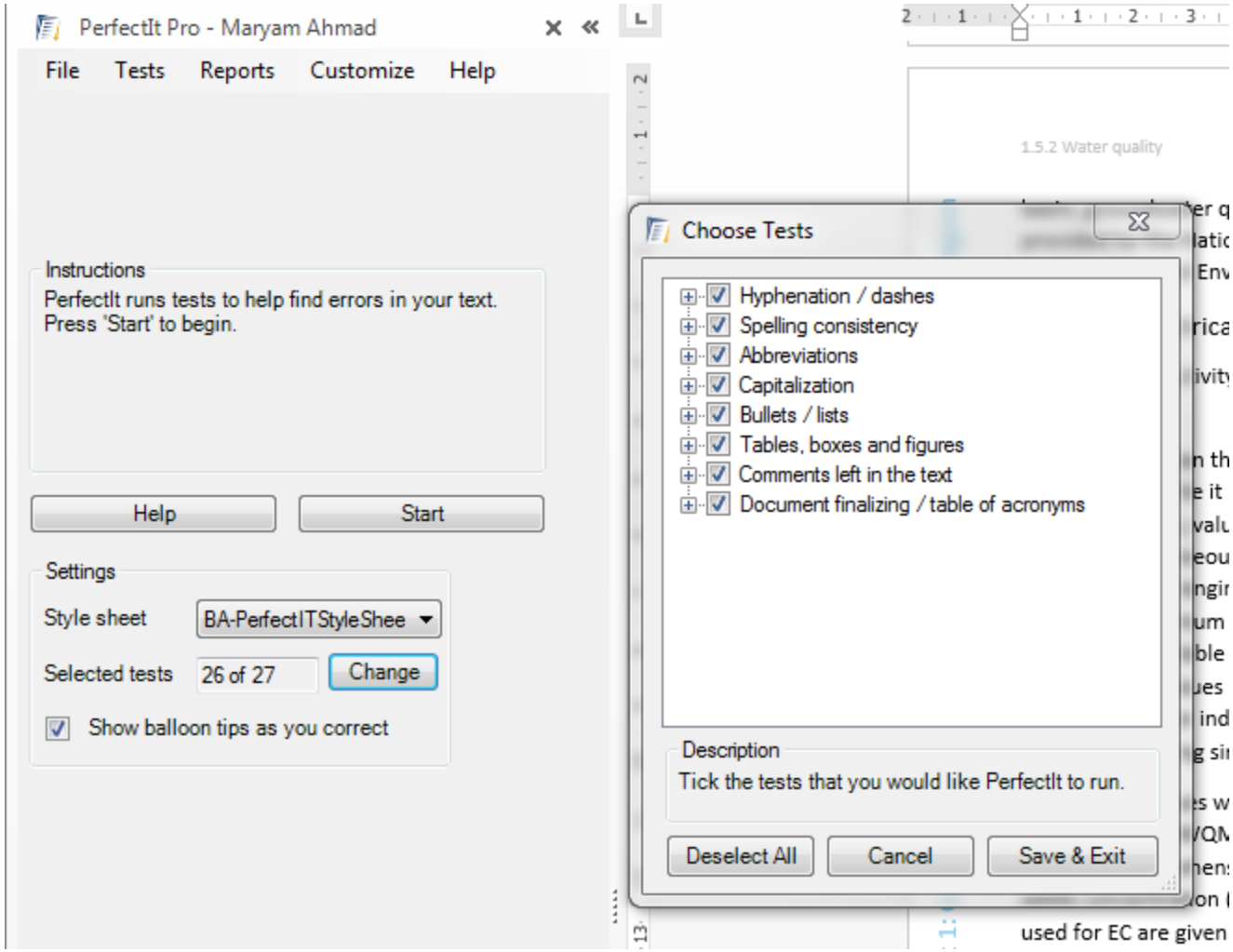
measurements (see 'units' in Table 11)

Melvilles Coal Member

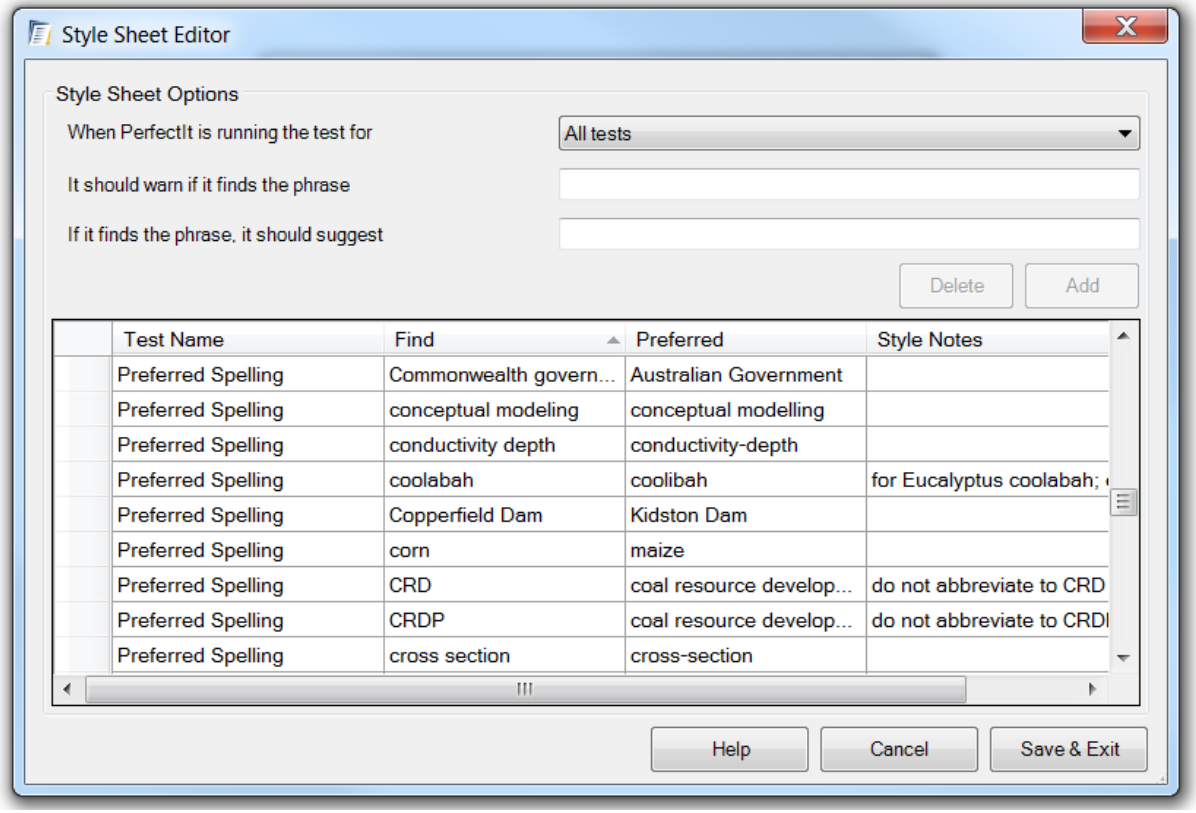
Mesozoic

metadata (one word)

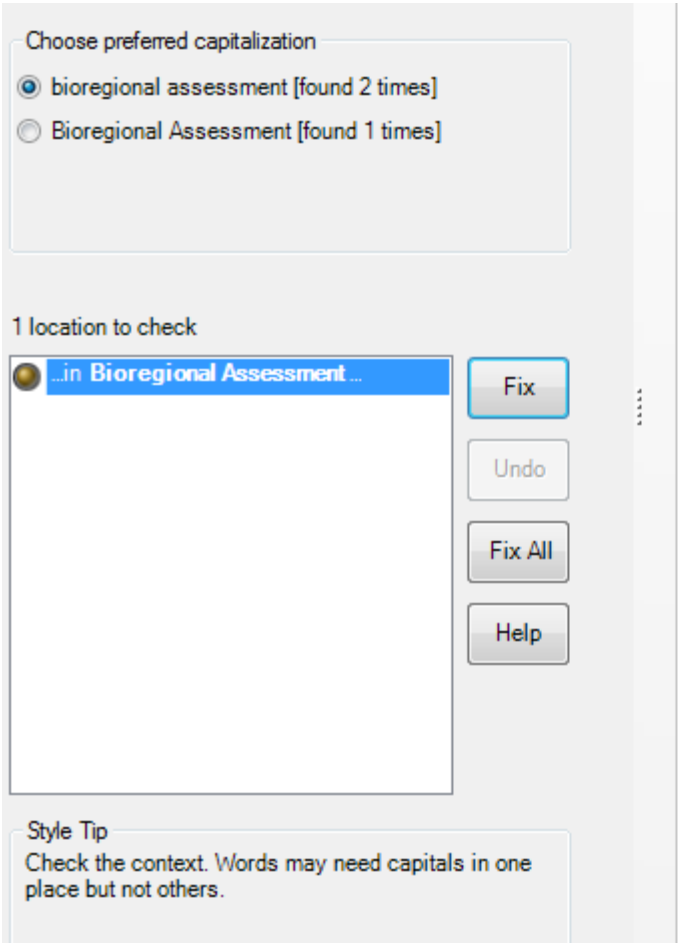
PerfectIt


PerfectIt Pro - Maryam Ahmad
File
Tests
Reports
Customize
Help
Instructions
PerfectIt runs tests to help find errors in your text.
Press 'Start' to begin.
Help
Start
Settings
Style sheet
BA-PerfectITStyleShee
Selected tests
26 of 27
Change
Show balloon tips as you correct
Choose Tests
Hyphenation / dashes
Spelling consistency
Abbreviations
Capitalization
Bullets / lists
Tables, boxes and figures
Comments left in the text
Document finalizing / table of acronyms
Description
Tick the tests that you would like PerfectIt to run.
Deselect All
Cancel
Save & Exit
1.5.2 Water quality
used for EC are given

PerfectIt style sheet



PerfectIt in action



Component 1: Contextual information

from the NSW groundwater database in the Richmond River basi
are unknown for most bores. Note that the stratigraphic unit at t
reported in the NSW groundwater database for all but six bores w
Without this information, no meaningful analysis of the differenc
relation to the source aquifer is possible. One of the biggest chall
determine the stratigraphy of the bores, including the identificati
bore screen from the lithological logs. Following extensive initial
achieved for a large number of bores by converting the lithologic
importing the data into a 3D geological modelling software (follo
checking), as discussed in detail in Bioregional Assessment produ

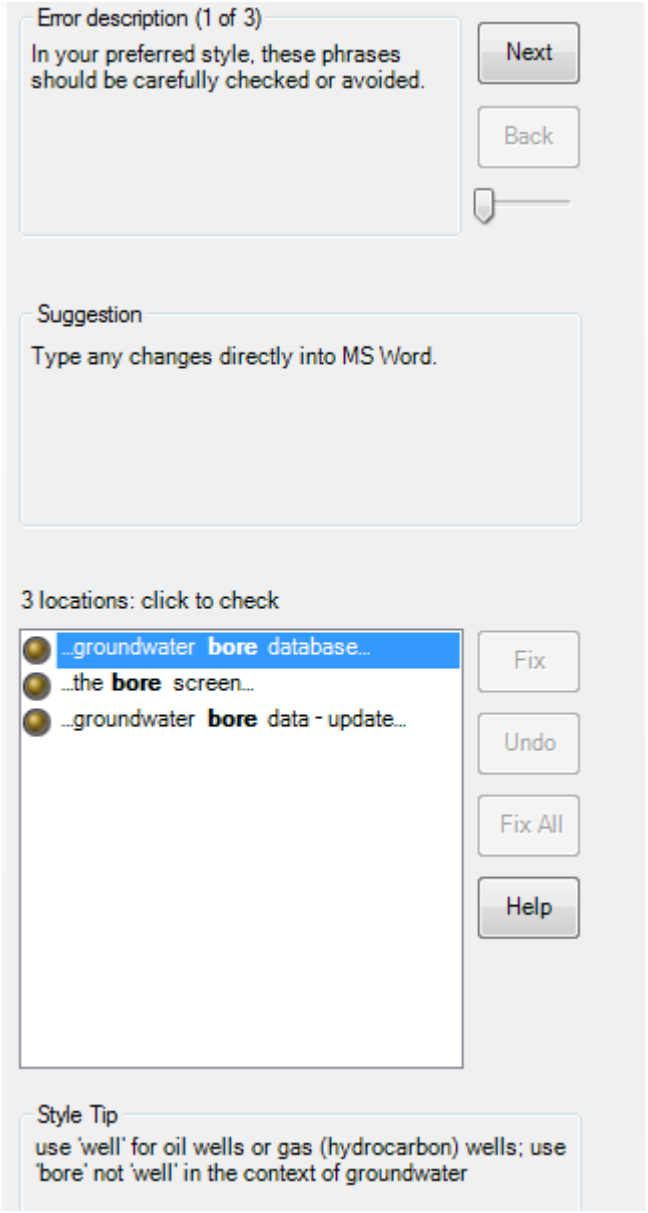
Most trace elements have data available for only a few groundwa
analyses have been performed several elements have concentrat
triggers, but the current dataset is too sparse and the quality too
about trigger value exceedances of these elements. Therefore, ac
understand the range and distribution of the trace element conce
basin.

References

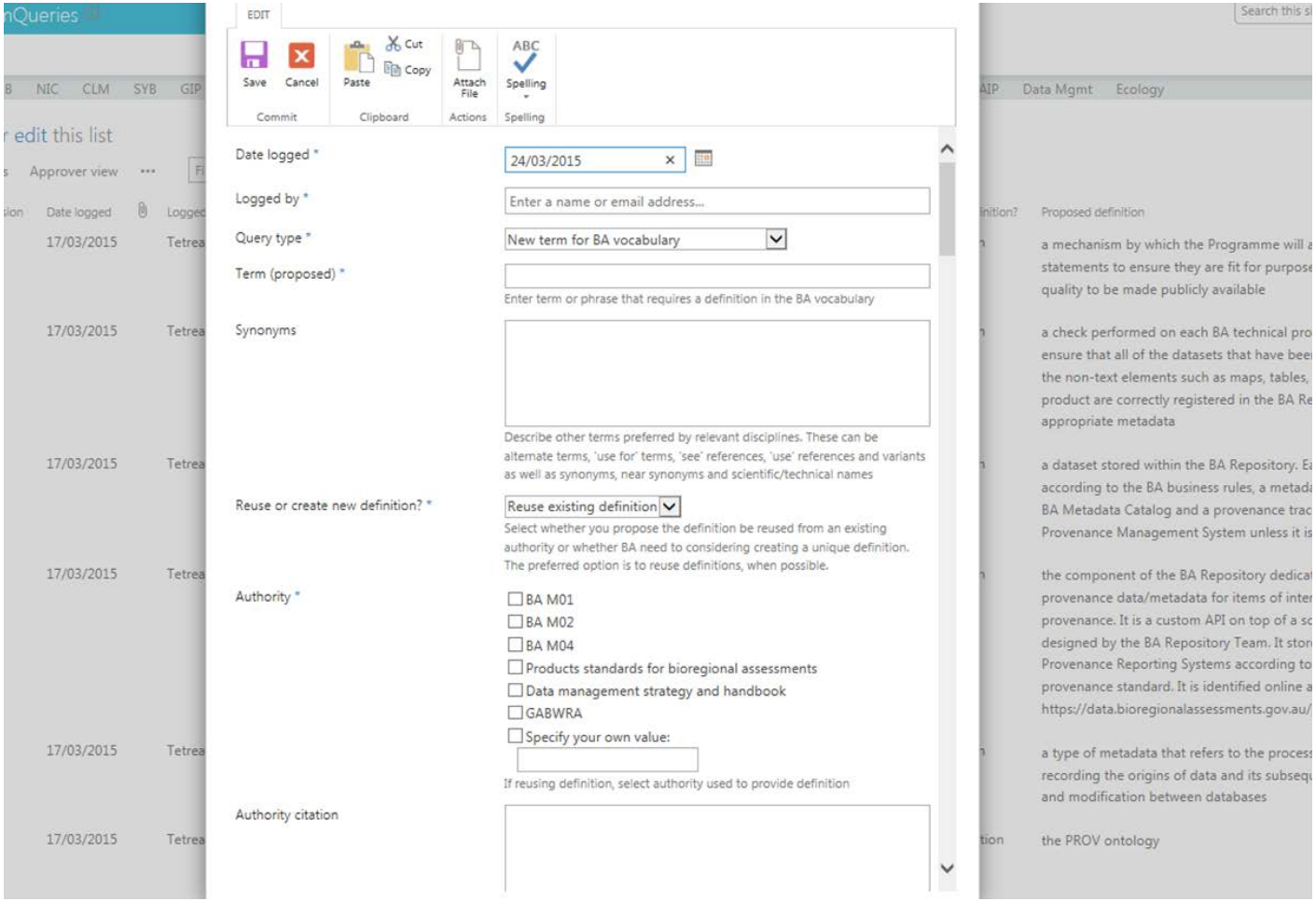
ANZECC (2000) Australian and New Zealand Guidelines for Fresh
Volume 1, The Guidelines. Australian and New Zealand Envi
Council, Canberra.

Australian and New Zealand Environmental and Conservation Cou
Quality Management Strategy: Paper No 4 - Australian and
and marine water quality: Volume 1 - The Guidelines. Austr
Environment and Conservation Council and the Agriculture

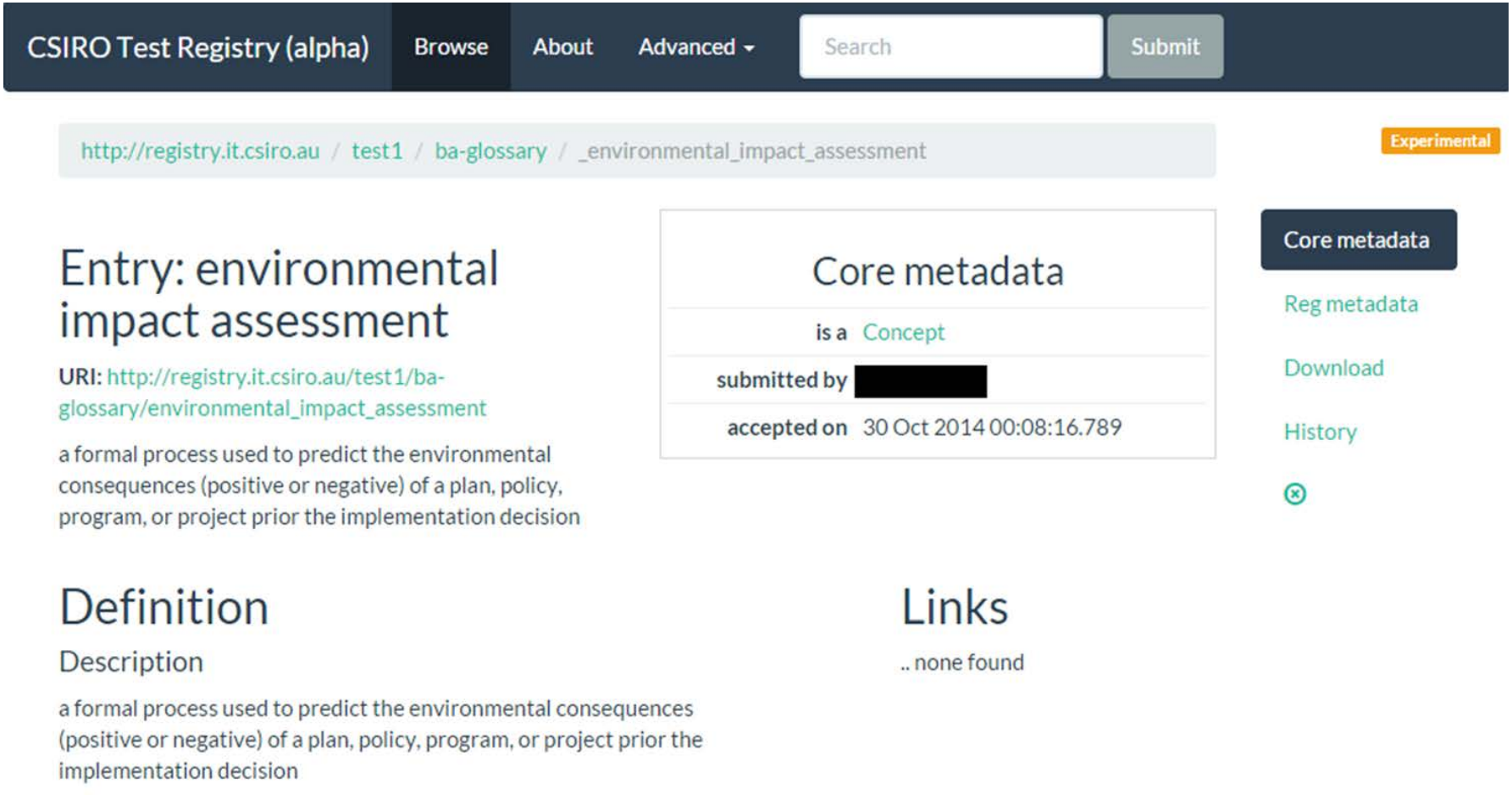
PerfectIt in action

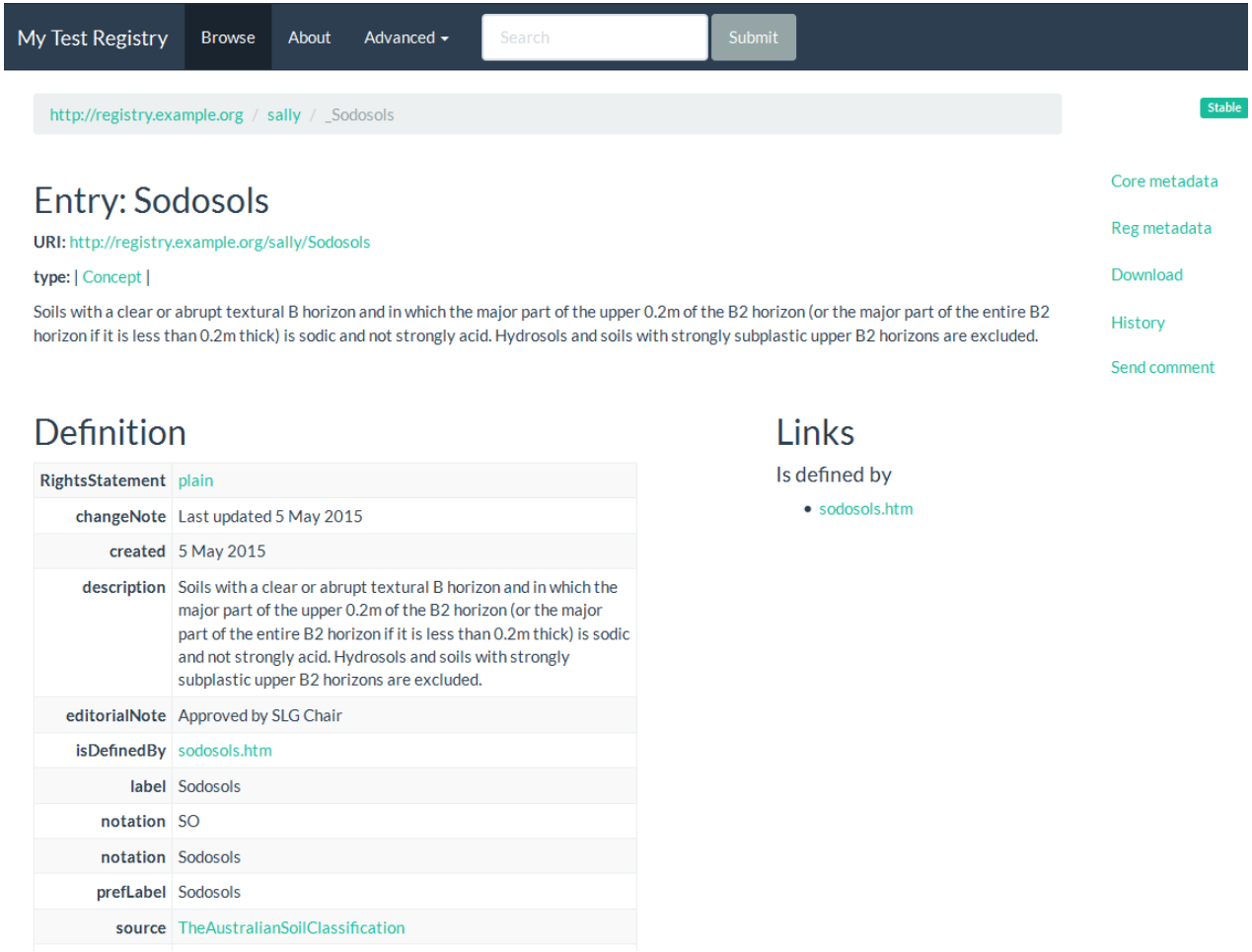


Harvesting glossary items



Vocabulary service




My Test Registry
Browse
About
Advanced
Search
Submit
http://registry.example.org / sally / _Sodosols
Stable
Entry: Sodosols
URI: http://registry.example.org/sally/Sodosols
type: | Concept |
Soils with a clear or abrupt textural B horizon and in which the major part of the upper 0.2m of the B2 horizon (or the major part of the entire B2 horizon if it is less than 0.2m thick) is sodic and not strongly acid. Hydrosols and soils with strongly subplastic upper B2 horizons are excluded.
Core metadata
Reg metadata
Download
History
Send comment
Definition
RightsStatement plain
changeNote Last updated 5 May 2015
created 5 May 2015
description Soils with a clear or abrupt textural B horizon and in which the major part of the upper 0.2m of the B2 horizon (or the major part of the entire B2 horizon if it is less than 0.2m thick) is sodic and not strongly acid. Hydrosols and soils with strongly subplastic upper B2 horizons are excluded.
editorialNote Approved by SLG Chair
isDefinedBy sodosols.htm
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source TheAustralianSoilClassification
Links
Is defined by
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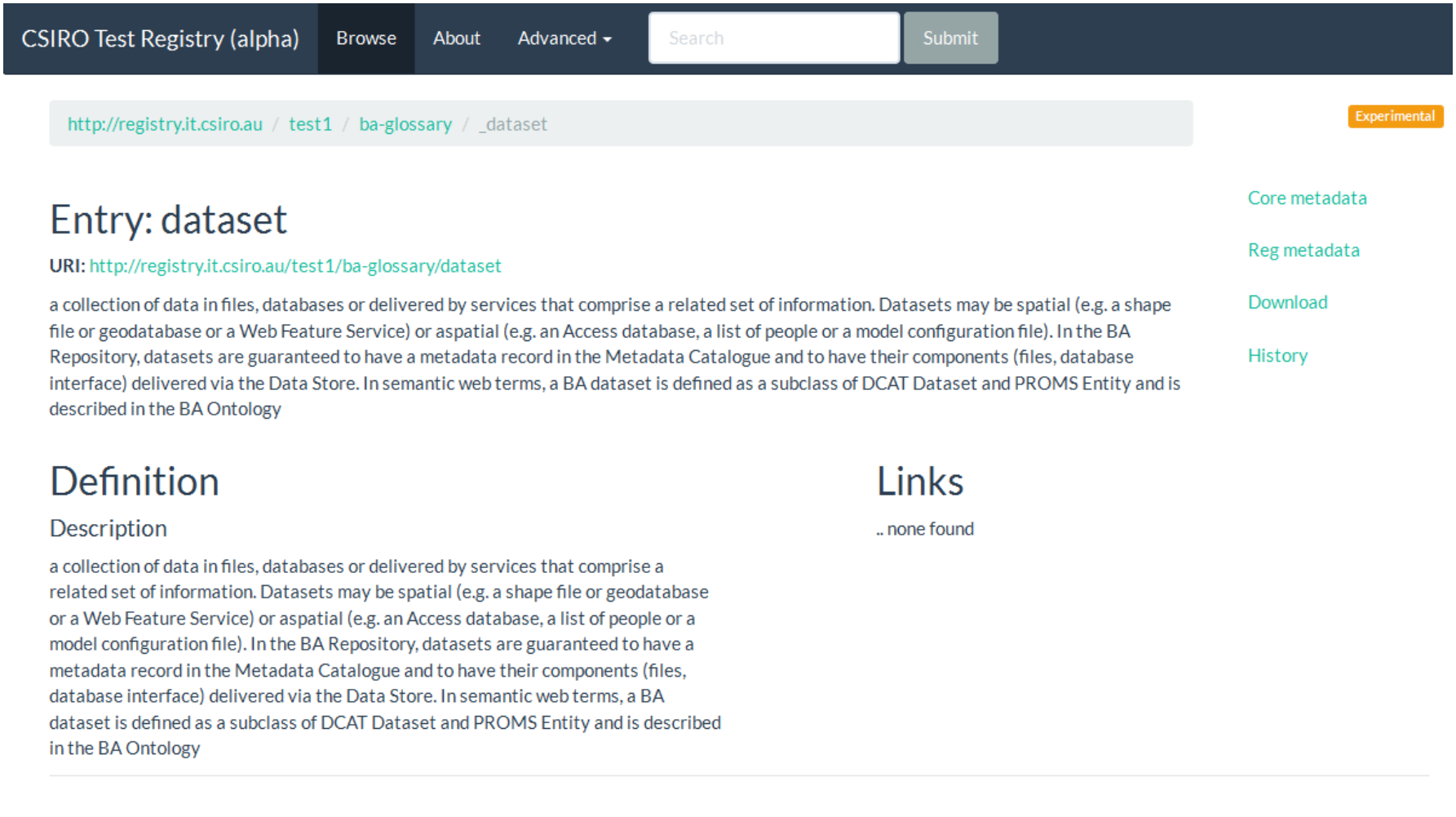
CSIRO Test Registry (alpha)
Browse
About
Advanced
Search
Submit
http://registry.it.csiro.au / test1 / ba-glossary / _dataset
Experimental
Entry: dataset
URI: http://registry.it.csiro.au/test1/ba-glossary/dataset
a collection of data in files, databases or delivered by services that comprise a related set of information. Datasets may be spatial (e.g. a shape file or geodatabase or a Web Feature Service) or aspatial (e.g. an Access database, a list of people or a model configuration file). In the BA Repository, datasets are guaranteed to have a metadata record in the Metadata Catalogue and to have their components (files, database interface) delivered via the Data Store. In semantic web terms, a BA dataset is defined as a subclass of DCAT Dataset and PROMS Entity and is described in the BA Ontology
Core metadata
Reg metadata
Download
History
Definition
Description
a collection of data in files, databases or delivered by services that comprise a related set of information. Datasets may be spatial (e.g. a shape file or geodatabase or a Web Feature Service) or aspatial (e.g. an Access database, a list of people or a model configuration file). In the BA Repository, datasets are guaranteed to have a metadata record in the Metadata Catalogue and to have their components (files, database interface) delivered via the Data Store. In semantic web terms, a BA dataset is defined as a subclass of DCAT Dataset and PROMS Entity and is described in the BA Ontology
Links
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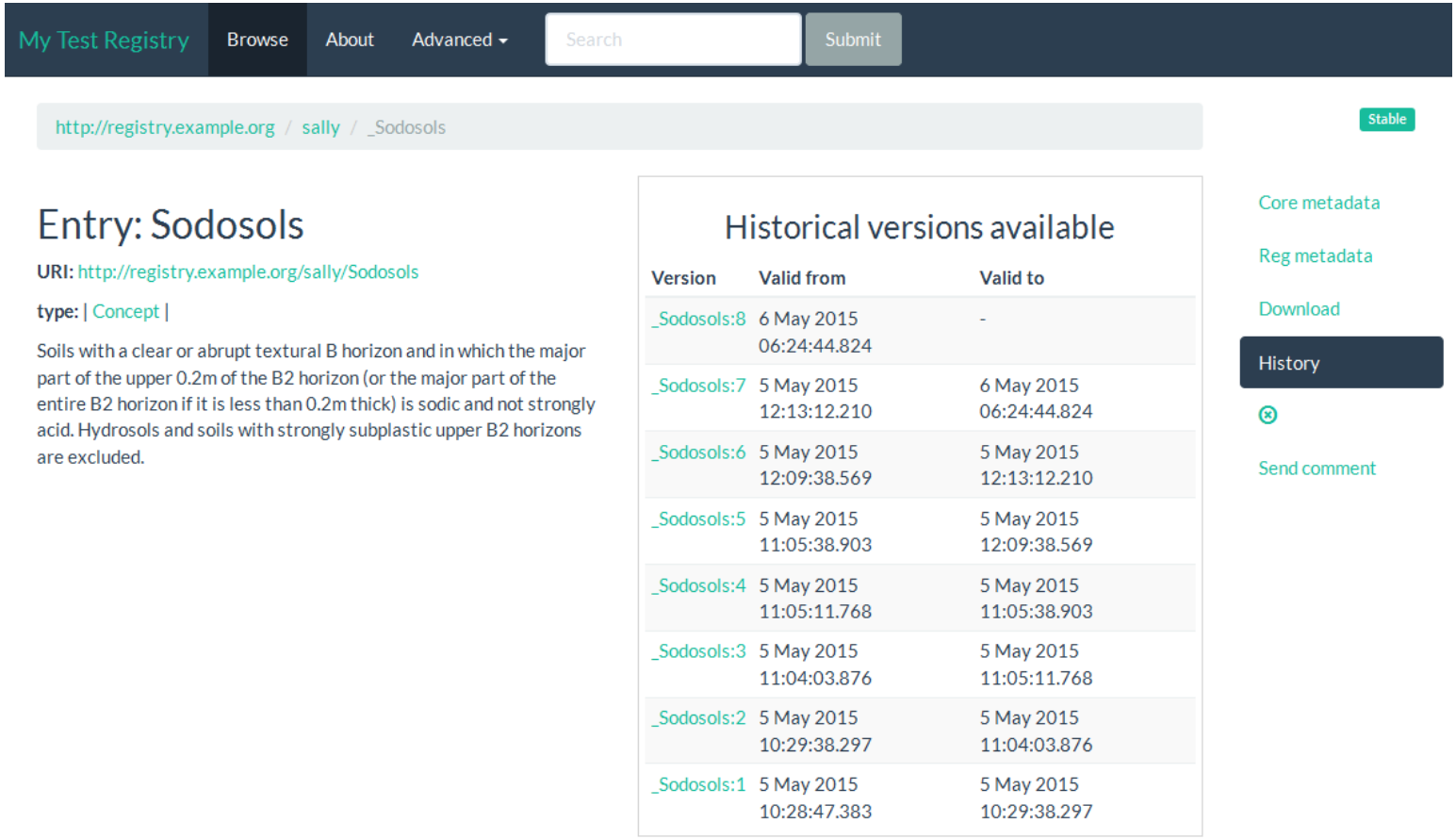
My Test Registry
Browse
About
Advanced
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http://registry.example.org / sally / _Sodosols
Stable
Entry: Sodosols
URI: http://registry.example.org/sally/Sodosols
type: | Concept |
Soils with a clear or abrupt textural B horizon and in which the major part of the upper 0.2m of the B2 horizon (or the major part of the entire B2 horizon if it is less than 0.2m thick) is sodic and not strongly acid. Hydrosols and soils with strongly subplastic upper B2 horizons are excluded.
Historical versions available
Version
Valid from
Valid to
_Sodosols:8 6 May 2015 06:24:44.824 -
_Sodosols:7 5 May 2015 12:13:12.210 6 May 2015 06:24:44.824
_Sodosols:6 5 May 2015 12:09:38.569 5 May 2015 12:13:12.210
_Sodosols:5 5 May 2015 11:05:38.903 5 May 2015 12:09:38.569
_Sodosols:4 5 May 2015 11:05:11.768 5 May 2015 11:05:38.903
_Sodosols:3 5 May 2015 11:04:03.876 5 May 2015 11:05:11.768
_Sodosols:2 5 May 2015 10:29:38.297 5 May 2015 11:04:03.876
_Sodosols:1 5 May 2015 10:28:47.383 5 May 2015 10:29:38.297
Core metadata
Reg metadata
Download
History
Send comment

Linking to glossary items in products

Between Lakes Entrance and Marlo the soils are primarily Kurosols. Kurosols have strongly acidic subsoils with a pH less than or equal to 5.4 and a clear contrast between the A and B horizons (Department of Environment and Primary Industries, 2014a; Isbell, 2002). They generally have a low agricultural potential due to high acidity and permeability. In the south of the bioregion, surrounding Yarram there is another area dominated by Kurosols.

Glossary

bioregion	the land area that constitutes a geographic location within which is collected and analysed data and information relating to potential impacts of coal seam gas or coal mining developments on receptors identified for key water-dependent assets
permeability	a measurement describing the ability of any fluid (water, oil) to pass through a porous material. Values vary widely, with higher values corresponding to aquifers (i.e., highly permeable) and lower values corresponding to aquitards (i.e. less permeable)

Recap

- EditQueries and approval process for terminology standards
- PerfectIt and custom style sheet
- Harvesting glossary terms, review and approval of terms and definitions, vocabulary service and linking from products.

This is all made possible largely through the use of as much automation and technology as possible but none of it works without ‘human’ interactions and conversations.

Future work

- Windows desktop and mobile app to track terminology questions as well as serve terminology standards
- PerfectIt (or similar) for authors
- (revisiting) .dic files for Microsoft Word
- Automating reference checks (with macros or revisiting EndNote)
- Separating content from format

Questions?

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