

SHaRED Submission Summary

07 February 2022

Overview	
SHaRED Submission Description	
Submission Name	Aekos Poaceae Extract 20140509
Dataset Citation Name	AEKOS Poaceae Extraction 2014
Dataset Summary	<p>The dataset can be reused for continental-wide synthesis of the cover of Australian grasses. It consists of high quality, well-described plot-based data extracted from AEKOS (portal.aekos.org.au) on 13/3/2014. The data includes vegetation records for the Poaceae family from the following dataset: ABARES Ground Cover Reference Sites Database, Biological Survey of South Australia - Vegetation Survey, Biological Database of South Australia, Corveg (Queensland), TERN AusPlots Rangelands Survey Program, Biological Survey of the Ravensthorpe Range (Western Australia). The entire content of the portal was initially extracted using the portal's download feature to obtain the full extent of available data for the following all datasets. These data were loaded into a PostgreSQL database. Subsequently, a SQL query was built for each of the cited datasets which produced a flat table containing information about the survey name, site identifier, visit date, coordinates, species, abundance, biomass and/or cover class, filtering on species of the Poaceae family using a genus list obtained from the website of the Atlas of Living Australia (http://www.ala.org.au/).</p>
Dataset Version	1.0
Submitting Username	matt.schneider
SHaRED Submission ID	10850
Submission Publication Date	2014-05-14 04:59:08.418
Submission DOI	http://doi.org/10.4227/05/5372F77350C26
Usage Guide	<p>The full extent of the datasets (ABARES Ground Cover Reference Sites Database, Biological Survey of South Australia - Vegetation Survey, Biological Database of South Australia, Corveg (Queensland), TERN AusPlots Rangelands Survey Program, Biological Survey of the Ravensthorpe Range (Western Australia)) on which this dataset is based on is available from portal.aekos.org.au. This dataset is suitable to be used for continental, regional or local scale analysis of grasses in Australia.</p>
Related Datasets	<p>ABARES Ground Cover Reference Sites Database</p> <p>Biological Survey of South Australia - Vegetation Survey, Biological Database of South Australia</p> <p>Corveg (Queensland)</p> <p>TERN AusPlots Rangelands Survey Program</p> <p>Biological Survey of the Ravensthorpe Range (Western Australia)</p>
Number of Study Locations	18618
Repeat Visits	Y
Dataset Author	
Author Given Name(s)	
Author Surname or Organisation	TERN Eco-informatics
Affiliation	

Project Metadata	
Project Name	AEKOS Poaceae Extraction
Project Abstract	This dataset was requested by a data user and has been generated by TERN Eco-informatics for a global C4 grasses project undertaken by the US National Evolutionary Synthesis Centre. The title of the global project is "Toward A New Synthesis of the Evolutionary History & Ecology of C4 Grasses" (http://www.nescent.org/science/awards_summary.php?id=152).
Research Program Name	Toward A New Synthesis of the Evolutionary History & Ecology of C4 Grasses, US National Evolutionary Synthesis Centre
Scope	
Dataset Temporal Metadata	
First Visit Date	02/11/1975
Last Visit Date	09/07/2013
Dataset Spatial / Location Metadata	
Spatial Scale	Continental
Study Area Description	Australian continent and islands.
Study Area Geometry	{ "questionId" : "5.3.1", "srs":"EPSG:4283", "features" : [{"id":"PLY_1","geometry":"POLYGON((112.9609375 - 21.9605637,118.2343750 -19.4947559,120.4316406 - 19.0799688,122.4531250 -15.6412258,126.1445313 - 13.2583303,129.3085938 -12.2296398,132.2089844 - 11.1107000,137.3066406 -10.2470241,137.8339844 - 14.2826876,139.6796875 -14.8781055,141.1738281 - 12.3155218,141.6132812 -9.9874525,143.7226562 -9.7276736,144.8652344 - 11.9718268,146.3593750 -14.7931448,147.0625000 - 17.4944470,150.8417969 -21.1431148,154.0937500 - 25.1822670,154.8847656 -28.5528662,153.0390625 - 34.9014228,150.4902344 -38.4941789,144.0742187 - 39.2468817,139.7675781 -38.9057323,138.0976562 - 36.8947272,135.2851562 -36.0466046,132.8242188 - 33.1533654,124.8261719 -34.6125876,120.6074219 - 34.9014228,118.1464844 -35.5475952,114.0156250 - 34.9014228,114.5429688 -32.1171882,113.6640625 - 29.0150501,112.4335938 -25.5793026,112.9609375 -
iso19139 DCMI Box	northlimit=-9.72767; southlimit=-39.24688; eastlimit=154.88477; westlimit=112.43359; projection=GDA94
Subject Metadata	
ANZSRC FOR Codes	501
	602
	603
ANZSRC SEO Codes	Ecosystem Assessment And Management (9605)
	Environmental And Natural Resource Evaluation (9606)
	Flora, Fauna And Biodiversity (9608)
	Rehabilitation Of Degraded Environments (9612)
	Remnant Vegetation And Protected Conservation Areas (9613)
Ecological Theme	Bioregional Inventory
Threats and Pressures	None

Conservation Management Themes	None
Environmental Features	Acacia Forests and Woodlands
	Acacia Open Woodlands
	Acacia Shrublands
	Callitris Forests and Woodlands
	Casuarina Forests and Woodlands
	Chenopod Shrublands, Samphire Shrublands And Forblands
	Eucalypt Low Open Forests
	Eucalypt Open Forests
	Eucalypt Open Woodlands
	Eucalypt Tall Open Forests
	Eucalypt Woodlands
	Heathlands
	Hummock Grasslands
	Low Closed Forests And Tall Closed Shrublands
	Mallee Open Woodlands And Sparse Mallee Shrublands
	Mallee Woodlands And Shrublands
	Melaleuca Forests and Woodlands
	Other Forests and Woodlands
	Other Grasslands, Herblands, Sedgeland And Rushlands
	Other Open Woodlands
	Other Shrublands
	Regrowth, Modified Native Vegetation
	Tropical Eucalypt Woodlands/Grasslands
	Tussock Grasslands
Species Metadata	
Flora Species File Name	poaceaeGenera.txt
Flora Group	Introduced Plants
	Grasses
Curation Status	
Curation Activities	Not Curated
Project Status	
Project Status	Completed
Methods	

Sampling and Methods	
Sampling Design	None
Flora Sampling Technique	Other
Suggested Flora Sampling Technique	Customised SQL query
Measurements	Raw Observations
	Raw Observations - Categorical Data
	Raw Observations - Continuous Data
Measured Attributes	Abundance
	Biomass
Suggested Measured Attributes	Cover
	Cover Abundance
Method Name	AEKOS Data Portal Extraction
Method Abstract	The data was extracted via the Aekos data portal (portal.aekos.org.au) on 13/3/2014. The entire content of the portal was initially extracted using the portal's download feature to obtain the full extent of available data for the following datasets: ABARES Ground Cover Reference Sites Database, Biological Survey of South Australia - Vegetation Survey, Biological Database of South Australia, Corveg (Queensland), TERN AusPlots Rangelands Survey Program, Biological Survey of the Ravensthorpe Range (Western Australia). This data was loaded into a PostgreSQL database. Subsequently, SQL queries (see poaceaeQueriesForSharedSubmission.zip attached to this dataset) were built for each of the cited datasets which produces a flat table containing information about the survey name, site identifier, visit date, coordinates, species, abundance and/or cover, filtering on species of the Poaceae family using a genus list obtained from the website of the Atlas of Living Australia (http://www.ala.org.au/ , see poaceaeGenera.txt attached to
Method Drift Description	N/A
Associated Materials	
Associated Material Description	
Associated Material Type	Other
Suggested Associated Material Type	Poaceae SQL Search Queries of AEKOS
Associated Material Identifier	
Associated Material Identifier Type	
Other Related Artefacts	
Other Artefacts	None
Conditions Of Use	
Licensing and Acknowledgement	
License Type	CC-BY 3.0 Australia
Acknowledgement	The dataset is derived from the following datasets which are publicly available from portal.aekos.org.au: Ground Cover Reference Sites Database (ABARES), Biological Survey of South Australia - Vegetation Survey, Biological Survey of South Australia - Vegetation Survey, Biological Database of South Australia (Department of Environment, Water and Natural Resources), Corveg

	(Queensland Department of Science, Information Technology, Innovation and the Arts)), Rangelands Survey Program (TERN AusPlots), Biological Survey of the Ravensthorpe Range (Department of Parks and Wildlife, Western Australia).
Citation	TERN Eco-informatics (2014). AEKOS Poaceae Extraction 2014, Version 1.0. http://doi.org/10.4227/05/5372F77350C26 . AEKOS Data Portal, rights owned by University of Adelaide. Accessed 07 Feb 2022.
Rights Statement	(C)2014 University of Adelaide. Rights owned by University of Adelaide. Rights licensed subject to CC-BY 3.0 Australia.
Access Statement	These data can be freely downloaded via the Advanced Ecological Knowledge and Observation System (AEKOS) Data Portal and used subject to the CC-BY 3.0 Australia. Attribution and citation is required as described under License and Citation. We ask you to send citations of publications arising from work that use these data to TERN Eco-informatics at data cited@ae kos.org.au and citation and copies of publications to matt.schneider@adelaide.edu.au
Custodian Organisation	
Legal Dataset Custodian Organisation	University of Adelaide
Legal Dataset Custodian Organisation Type	University
Dataset Contact	
Dataset Contact Role	Data Manager
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Dataset Contact Organisation	TERN Eco-informatics
Submission Files	
Submission Files	
File Name	poaceaeQueriesForSharedSubmission.zip
File Size	10.4 kB
File Description	Poaceae SQL Queries of AEKOS
SHaRED File Type	DATA
File Format	other
File Format Version	SQL
SHaRED File ID	10975
File Name	aekosPoaceaeRecords20140313.zip
File Size	2.5 MB
File Description	The zip file contains 5 csv files (one for each source dataset). Each of the five csv files has the following columns: surveyname (Name of the original dataset), aekosidentifier (dataset identifier in Aekos), studylocationidentifier, x, y, zone (UTM zone), crs (Coordinate Reference System), visitdate, name (full species name), genuspart (of species name), specific epithet (of species name). In addition, each of the 5 csv files has supplementary columns informing about abundance, cover and/or cover abundance. Where none of these additional columns is present, the abundance of the species in the

SHaRED File Type	DATA
File Format	archive
File Format Version	Zip
SHaRED File ID	10976
File Name	poaceaeGenera.txt
File Size	2.3 kB
File Description	Poaceae genera
SHaRED File Type	SPECIES_LIST
File Format	null
File Format Version	null
SHaRED File ID	10977

SHaRED (Submission Harmonisation and Retrieval of Ecological Data) is an online data submission service for ecologists to upload their research datasets and enable them to be published via ÆKOS data portal. ÆKOS is an online ecological data service providing free and open access to rich, ecological data collected using plot-based research methods.



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