

EML metadata fields

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Loading required package: tcltk

1 Dataset or study metadata

variable	value
shortname	GlobalGWR_PM25_V4GL02
title	Surface PM2.5 Global Estimates (V4.GL.02)
creator	Ivan Hanigan
contact	
contact_email	ivan.hanigan@sydney.edu.au
abstract	<p>These data are estimated ground-level fine particulate matter (PM2.5) by combining Aerosol Optical Depth (AOD) retrievals from the NASA MODIS, MISR, and SeaWiFS instruments with the GEOS-Chem chemical transport model, and subsequently calibrated to global ground-based observations of PM2.5 using Geographically Weighted Regression (GWR) as detailed in the below reference. References: van Donkelaar, A., R.V Martin, M.Brauer, N. C. Hsu, R. A. Kahn, R. C Levy, A. Lyapustin, A. M. Sayer, and D. M Winker, Global Estimates of Fine Particulate Matter using a Combined Geophysical-Statistical Method with Information from Satellites, Models, and Monitors, Environ. Sci. Technol, doi: 10.1021/acs.est.5b05833, 2016. [Link] Estimates prior to 2008 incorporate temporal information from: Boys, B.L., Martin, R.V., van Donkelaar, A., MacDonell, R., Hsu, N.C., Cooper, M.J., Yantosca,R.M., Lu, Z., Streets,D.G., Zhang,Q., Wang,S., Fifteen-year global time series of satellite-derived fine particulate matter, Environ. Sci. Technol, 10.1021/es502113p, 2014. [Link] van Donkelaar, A., R. V. Martin, M. Brauer and B. L. Boys, Global fine particulate matter concentrations from satellite for long-term exposure assessment, Environmental Health Perspectives, 123, 135-143, DOI:10.1289/ehp.1408646, 2015.</p>

variable	value
umbrella_project_title	Air_pollution_model_GlobalGWR_PM25
project_owner_or_originator	Geoff Morgan
project_abstract	Surface PM2.5 Global Estimates (V4.GL.02): Atmospheric Composition Analysis Group at Dalhousie University Data downloaded from http://fizz.phys.dal.ca/~atmos/martin/?page_id=140
additional_metadata	Environment_General/Air_pollution_model_GlobalGWR_PM25/GlobalGWR_PM25_V4GL02
associated_party	
recommended_citation	
studyextent	
temporalcoverage_daterange	
methods_protocol	
sampling_desc	
method_steps	
access_rules	
distribution_methods	
data_owner	
data_owner_contact	
licence_code	No licence
licence_text	
licencee	
path_to_licence	
special_conditions	

2 File / Entity level information

[1] “Entity: GlobalGWR_PM25_GL_201501_201512-RH35-NoNegs.asc”

2.1 Entity: GlobalGWR_PM25_GL_201501_201512-RH35-NoNegs.asc

variable	value
entityname	GlobalGWR_PM25_GL_201501_201512-RH35-NoNegs.asc
entitydescription	GlobalGWR_PM25_GL_201501_201512-RH35-NoNegs.asc
entity_methods	All Composition PM2.5 (as opposed to sea salt and dust removed)
physical_distribution	
physical_distribution_additionalinfo	

variable	value
numberofrecords	
entity_temporalcoverage_daterange	