

FORM EXAMPLE

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Source	http://www.bgc-jena.mpg.de/geodb/projects/Home.php
IPSL server/path/filename	asterix/home/data03/dofoco/VALIDATION/data_sets/2014129144019EnsembleGPP_GL.nc
General description	GPP derived by upscaling observations from the current global network of eddy-covariance towers
Version	May12
doi	n.a.
Global/Regional/Site	Global
Spatial resolution	0.5° x 0.5° grid
Projection	
Temporal resolution	Monthly
Period covered	1982 to 2012
Data policy	Inform the author of the intended use
Unit	
Comments	-
Caveat	All known caveats that apply to the eddy-covariance method apply to this product. Note that the upscaling makes use of similar remote-sensed land cover maps and climatologies used to drive ORCHIDEE. Spatial and temporal patterns in this product are thus not fully independent from spatial and temporal patterns of ORCHIDEE (off-line). The network is relatively sparse outside Europe, the United States and Japan. The quality of the product remains largely untested outside these regions.
References	Jung, M., et al. (2011), Global patterns of land-atmosphere fluxes of carbon dioxide, latent heat, and sensible heat derived from eddy covariance, satellite, and meteorological observations, <i>J. Geophys. Res.</i> , 116, G00J07, doi:10.1029/2010JG001566.

COLLECTED DATASETS

Variable	Scope	Product	Resolution	Period	Frequency	Projected
GPP	global	Jung FLUXNET	0.5°	1982-2012	monthly	✓
Evapotranspiration	global	Jung FLUXNET	0.5°	1982-2012	monthly	✓
	global	Seneviratne LANDFLUX-Eval	1°	1989-2005	monthly	✓
	global	Fisher	0.5°	1986-1995	monthly	
	global	Gleam	1°	1984-2006	monthly	
	global	NTSG	1°	1984-2006	monthly	
	Amazon	MOD16	1°	2000-2008	monthly	
	Amazon	Shuttleworth	1 site	1983-1984	monthly	
CO2	global	Peylin inversions	1°	2001-2010	monthly	✓
		Le Quéré GCP		1959-2013	yearly	
Soil respiration	sites	Raich				
	sites	Bond-Lamberty				
Soil variables	global	ISRIC	1km/5km		average	✓
	global	HWSD	0.5°		average	
	global	IGBP	5'		average	
Soil profiles	sites	ISCN				
Soil carbon	global	HWSD-MPI-BGI	0.5°		average	
Turnover time	global	MPI-BGI	0.5°			
Litter decomposition	sites					
LAI	global	GIMMS3g	0.5°	1982-2010	bi-monthly	✓
	global	GLASS	0.05° AVHRR 1km MODIS	1982-2010	8-day	

COLLECTED DATASETS

Forest ABG biomass	temperate/boreal northern	Thurner	1°		average	
	global	Avitabile	0.01°			
	tropics	Saatchi	0.5°		average	
	tropics	Baccini				
Forest basal area		de Rigo/JRC	0.4°x0.6°	2000		
Canopy height	global	GLAS	1km	2005		
Soil moisture	global	ESA CCI ECV	0.25°	1978-2010	daily	
Water height	Amazon/Negro rivers	HYDROWEB/LEGOS		1993-2002		
Soil water profiles	Illinois state	WARM		1997-1999		
	Brazil	ABRACO		1990-1993		
Change in total water storage	global	GRACE	1°	2002-2013	monthly	
River discharge	global/sites	GRDC		1807-today	monthly	
	Amazon/sites	ORE-HYBAM		1967-2011	monthly	
Snow extent	global	Globsnow		2003-2012	daily	✓
Snow water equivalent	global	Globsnow		1979-2013		✓
Freeze/thaw dates		EPIC		2010		
Albedo	global	Globalbedo		1998-2011		✓
	global	MODIS	1°	2000-2010	monthly	
	global	GLASS	0.05° AVHRR 1km MODIS	1981-2010	8-day	
Surface temperature	global					
Radiative fluxes	global	CERES	1°			✓
Precipitation	Amazon	ORE-HYBAM	1°	1980-2009	daily	