

GEIA Original Inventories & Emission Reviews

Updated 13 June 2013

Inventory Projects

Not all of the original projects had original GEIA inventories or emission reviews.

Original Inventory Information

Characteristics: Temporal Resolutions - Generally annual Spatial Resolutions - Generally 1x1 degree
 A=Anthropogenic N=Natural

Available Information:

Many GEIA original inventories or updates to them are posted on ECCAD.

EDDAD http://eccad.sedoo.fr/eccad_extract_interface/JSF/page_login.jsf provides data and contacts.

DataSet Names: Original inventories are in GEIAv.1 Updated inventories are in other DataSets as indicated.

Many of the early GEIA emission status reviews prepared in 2002 - 2005 are on the GEIA web site.

Main contacts/emails for these status reviews are noted under Reviews.

Many reviews are descriptions of the emissions data that were provided by GEIA rather than full emission reviews.

GEIA Original Inventories Developed Before 2007				Available - 2013 Status	
Inventory Projects	Primary Contacts/Developers	Years	Categories	DataSets	Reviews (2002-2005)
				ECCAD DataSet Name	Contact - Current Email Description of Review
Compounds					
Ammonia (All)	Jos Oliver RIVM,NMP	1890-1990	10	EDGARv4.2	
Black Carbon (A)	Jane Dignon US DOE-LLNL	1985	1	GEIAv1	
	William Cooke GFDL	1984	2	GEIAv1	
Carbon Dioxide (A)	G. Marland, R. Anders US DOE	1950-	2	Anders_CO2	
Carbon Monoxide (A)	A.J.H.Visschedijk TNO-MEP	1990&1995	6	EDGARv4.2	
CFC-11, CFC-12	Cunnold NASA	1986		GEIAv1	
CFC-11	A. McCulloch AFEAS	1986-2000			A. McCulloch <archie.mcculloch@btinternet.com>
CFC-12	A. McCulloch AFEAS	1930-2000			Reports for these 4 CFCs include data and overviews.
HCFC-22	A. McCulloch AFEAS	1941-2000			
MCF	A. McCulloch AFEAS	1951-2000			
Dimethylsulfide					Sauveur Belviso <sauveur.belviso@cea.fr> Review includes data intercomparisons
Lead	Jozef Pacyna NILU	1989	1		
Mercury	Jozef Pacyna NILU	1990	1	AWAP_Mercur	Christian Seigneur <seigneur@cerea.enpc.fr> Review provides general overview of mercury emissions
Nitrous Oxide	A.F. Bouwman RIVM	1990	9	GEIAv1	Arvin Mosier <amosier@ufl.edu> Primarily a review of the GEIAv1 N2O data set
Methane (N/A)	Matthews NASA		15		
Methane (A) Preliminary	Jos Oliver RIVM	1990	19		
Organochlorines	Yi-Fan Li Environment Canada	1980-2000	1		Yi-Fan Li <Yi-Fan.Li@ec.gc.ca> General review of emissions
Primary Particles	Carmen Benkovitz US DOE				
Radon-222					Franz Conen <Franz.Conen@unibas.ch> General review of radon emissions
Reactive Chlorine Compounds	W. Keene World Chlorine Council	Up to 2007	8	GEIAv1	
Sulfur and Nitrogen Oxides (A)	Benkovitz US DOE	1985	1	GEIAv1	
Volatile Organic Compounds (N)	Alex Guenther US NSF		1	MEGAN	
Volatile Organic Compounds (A)	A.J.H.Visschedijk TNO-MEP	1890-1990	9	EDGARv4.2	
Source Specific					
Aircraft	Don Wuebbles NASA				
Biomass Burning					
Ocean Shipping					Jim Corbett <jcorbett@udel.edu> Report on shipping project and general approaches
Nitrogen Oxides Lightning	Colin Price NASA	1983-1990	1	GEIAv1	
Nitrogen Oxides in Soils	H. Levy NASA	current	1	GEIAv1	Laurens Ganzeveld <laurens.ganzeveld@wur.nl> General overview of soil emissions of NOX
Sulfur from Volcanoes	R. Andres	1970-1997	2	GEIAv1	
Other Data					
Population	Yi-Fan Li Environment Canada	1990	1		Yi-Fan Li <Yi-Fan.Li@ec.gc.ca>
Cropland	Yi-Fan Li Environment Canada	1990	1		Yi-Fan Li <Yi-Fan.Li@ec.gc.ca>
					General review of these data sets
Dry Deposition					Laurens Ganzeveld <laurens.ganzeveld@wur.nl> Review of dry deposition