

Terminology Services - Terminology and Acronyms Report

Term	Acronym	Vocabulary	Vocabulary Type	Preferred Term
Biogenic		CADDIS Glossary	Glossary and Key Word List	
Definition: Produced by biological processes. For example, organic acids produced by decomposition of plant litter are biogenic acids.				
Biogenic		Waste Reduction Model (WARM) Definitions and Acronyms	Glossary and Key Word List	
Definition: Of non-fossil, biological origin.				
Biogenic Emissions		AirToxScreen Glossary of Terms	Glossary and Key Word List	
Definition: Emissions from natural sources. In AirToxScreen, biogenic emissions are those from trees, plants and soil microbes.				
Biogenic emissions		Emissions Inventory System Glossary	Glossary and Key Word List	
Definition: Emissions from natural sources, including plants and forests.				
Biogenic Emissions Inventory System	BEIS		Abbreviation and Acronym List	
Biogenic Emissions System Software	BESS		Abbreviation and Acronym List	
Biogenic Hydrocarbons		Heat Island Effect Glossary	Glossary and Key Word List	
Definition: Biogenic hydrocarbons are naturally occurring compounds, including VOCs (volatile organic compounds) that are emitted from trees and vegetation. High VOC-emitting tree species such as eucalyptus can contribute to smog formation. Species-specific				

Search Criteria:

Search String: biogenic (Contains)

Include Acronyms: true

Include Terms: true

Only Return Terms With Definitions:true

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biogenic emission rates may be an important consideration in large-scale tree plantings, especially in areas with high ozone concentrations.				
biogenic source		Report on the Environment (ROE) Glossary	Glossary and Key Word List	
Definition: An air emissions source created by some sort of biological activity. Examples include emissions resulting from microbial activity in soils and emissions from trees and other vegetation. Emissions from biogenic sources are a subset of emissions from natural sources (See natural source).				
Biogenic Volatile Organic Compounds	BVOC		Abbreviation and Acronym List	
Biogenic Aerosol		EPA EV-Natural Environments- Atmosphere	Taxonomy	
Definition: Aerosol emitted by life activities other than human activities, including pollens, spores, and bacteria as well as smoke from forest fires.				
Biogenic Amine Metabolic Process		EPA EV-Biological Substances-Genes & Biological Molecules	Taxonomy	
Definition: Biogenic Amine Metabolism involves anabolic and catabolic biochemical changes to a type of nitrogen containing hydrocarbons (biogenic amines) involved in signaling as neurotransmitters or hormones or as components of vitamins, phospholipids, or ribosomes within a cell as materials needed for important life processes. [National Cancer Institute Thesaurus]				
Biogenic Amines		EPA EV-Biological	Taxonomy	

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		Substances- Human/Animal Systems &Processes		
Definition: A group of naturally occurring amines derived by enzymatic decarboxylation of the natural amino acids. Many have powerful physiological effects (e.g., histamine, serotonin, epinephrine, tyramine). Those derived from aromatic amino acids, and also their synthetic analogs (e.g., amphetamine), are of use in pharmacology. [NLM Medical Subject Headings (MeSH)]				
Biogenic Carbon Dioxide		EPA EV-Chemical Substances-Chemical Properties	Taxonomy	
Definition: Carbon dioxide emissions generated as the result of biomass combustion from combustion units for which emission calculations are required by an applicable part 98 subpart. [40 CFR 98.6 (CFR 2013)]				
Biogenic Carbon Dioxide Emission		EPA EV-Environmental Events-Discharges, Emissions and Releases	Taxonomy	
Definition: Carbon dioxide emissions generated as the result of biomass combustion from combustion units for which emission calculations are required by an applicable part 98 subpart. [40 CFR 98.6 (CFR 2013)]				
Biogenic Deep Coral Reef		EPA EV-Natural Environments-Oceanic Environments	Taxonomy	
Definition: Persistent structures, formed by deepwater corals, whose growth exceeds (bio) erosion. These reefs result in local topographic highs that alter hydrodynamic and sedimentary regimes. The actual reef structure remains, often with the growing reefs on their crest or side. The coral thickets and skeletal remains trap sediments, contributing to the accretion of the reef (Roberts et al.				

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2009). [Federal Geographic Data Committee Coastal and Marine Ecological Classification Standard, June 2012 FGDC-STD-018-2012]				
Biogenic Geoform		EPA EV-Natural Environments-Oceanic Environments	Taxonomy	
Definition: Physical features and landforms that were created by the action of living organisms. [Adapted from Federal Geographic Data Committee Coastal and Marine Ecological Classification Standard, June 2012 FGDC-STD-018-2012]				
Biogenic Process		EPA EV-Natural Environments-Natural Phenomena	Taxonomy	
Definition: Produced by biological processes. For example, organic acids produced by decomposition of plant litter are biogenic acids. [CADDIS]				
Biogenic Sedimentary Rock		EPA EV-Natural Environments-Terrestrial Environments	Taxonomy	
Definition: Biogenic sedimentary rocks form from the accumulation of organic remains consisting of both biogenic mineral and organic residues, such organic reefs, fecal concentrates, bone accumulations, swamp peat accumulations. The combined effects of time, temperature, and pressure, non-mineral organic residues may eventually be converted to coal, oil, gas, and tar. [USGS Overview of Geologic Fundamentals at http://3dparks.wr.usgs.gov/nyc/common/geologicbasics.htm]				
Biogenic Source Emission		EPA EV-Environmental Events-Discharges, Emissions and Releases	Taxonomy	

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<p>Definition 1: An air emissions source created by some sort of biological activity. Examples include emissions resulting from microbial activity in soils and emissions from trees and other vegetation. Emissions from biogenic sources are a subset of emissions from natural sources (see natural source).[EPA Report on the Environment Glossary at http://www.epa.gov/ncea/roe/glossary.htm]</p> <p>Definition 2: Emissions that are naturally occurring and are not significantly affected by human actions or activity. [DOE Energy Information Administration Glossary]</p> <p>Definition 3: Emissions from natural sources. In NATA, biogenic emissions are those from trees, plants and soil microbes. [AirToxScreen Glossary of Terms]</p>				
Biogenic Volatile Organic Compound	Biogenic VOC, BVOC	EPA EV-Chemical Substances-Chemical Properties	Taxonomy	
<p>Definition: An organic substance with a high vapor pressure at lower temperatures and was produced by a biological process</p>				
Biogenic Volatile Organic Compound	Biogenic VOC, BVOC	EPA EV-Chemical Substances-Chemical Properties	Taxonomy	
<p>Definition: An organic substance with a high vapor pressure at lower temperatures and was produced by a biological process</p>				
Larger Biogenic Geoform		EPA EV-Natural Environments-Oceanic Environments	Taxonomy	
<p>Definition: Physical features and landforms that were created by the action of living organisms (bioherms). These primarily consist of the different types of reefs. Examples of these generally hard, fixed structures include the incorporation of dissolved calcium carbonate into reef structure by corals, aggregations of mollusk shells into a fixed cohesive substrate, or the cementation of existing sediments into an aggregation of worm tubes. As with all geoforms the characteristic of concern in this component is the physical shape of these reef features, not the living biology that may have participated in their genesis. Any of the reef geoforms may or may</p>				

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<p>shape of these reef features, not the living biology that may have participated in their genesis. Any of the reef geofoms may or may not have living coral or other life present. [Federal Geographic Data Committee Coastal and Marine Ecological Classification Standard, June 2012 FGDC-STD-018-2012]</p>				
Smaller Biogenic Geoform		EPA EV-Natural Environments-Oceanic Environments	Taxonomy	
<p>Definition: Physical features and landforms that were created by the action of living organisms (bioherms). These primarily consist of the different types of reefs. Examples of these generally hard, fixed structures include the incorporation of dissolved calcium carbonate into reef structure by corals, aggregations of mollusk shells into a fixed cohesive substrate, or the cementation of existing sediments into an aggregation of worm tubes. As with all geofoms the characteristic of concern in this component is the physical shape of these reef features, not the living biology that may have participated in their genesis. Any of the reef geofoms may or may not have living coral or other life present. [Federal Geographic Data Committee Coastal and Marine Ecological Classification Standard, June 2012 FGDC-STD-018-2012]</p>				
Terrestrial Vegetation Biogenic Emission		EPA EV-Environmental Events-Discharges, Emissions and Releases	Taxonomy	
<p>Definition 1: (Emission of Biogenic Hydrocarbons which are) naturally occurring compounds, including VOCs (volatile organic compounds) that are emitted from trees and vegetation. High VOC-emitting tree species such as eucalyptus can contribute to smog formation. Species-specific biogenic emission rates may be an important consideration in large-scale tree plantings, especially in areas with high ozone concentrations. [Heat Island Effects Glossary]</p> <p>Definition 2: Biogenic emissions are emissions from natural sources, such as plants and trees. These sources emit formaldehyde, acetaldehyde and methanol as well as large quantities of other non-HAP VOCs. Formaldehyde and acetaldehyde are key risk drivers in NATA. Biogenic emissions are typically computed using a model which utilizes spatial information on vegetation and land use and</p>				

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environmental conditions of temperature and solar radiation. In addition to being a primary source of HAP, other VOCs emitted by Biogenic sources react with anthropogenic VOCs and NOX to produce secondary formed HAPs. The NATA biogenics source group includes only the primary emissions. [National Air Toxics Assessment (NATA) Glossary]				

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