http://purl.org/heritagedata/schemes/38076 : A-Z

Acidification
BT : Snow, glacier and ice sheet
Ocean acidity
TT : Snow and Ice
Open Ocean

★ *Changing levels of water pH.*

Agricultural and ecological drought
BT : Wet and Dry
TT : Wet and Dry
NT : Biological growth
Drought

★ *Episodic combination of soil moisture supply deficit and atmospheric demand requirements that challenge the vegetation's ability to meet its water needs for transpiration and growth. Note:'agricultural' versus 'ecological' term depends on affected biome.*

Air pollution weather
BT : Air pollution weather (CID type)
TT : Other

Air pollution weather (CID type)
BT : Other
TT : Other
NT : Air pollution weather

★ *Atmospheric conditions that increase the likelihood of high particulate matter or ozone concentrations or chemical processes generating air pollutants. Note: distinct from aerosol emissions or air pollution concentrations themselves.*

Aridity
BT : Wet and Dry
TT : Wet and Dry
NT : Average humidity patterns
Water table
Desertification
Desiccation

★ *Mean conditions of precipitation and evapotranspiration compared to potential atmospheric and surface water demand, resulting in low mean surface water, low soil moisture and/or low relative humidity.*

Atmospheric CO2 at surface
BT : Other
TT : Other
NT : Biological growth

★ *Concentration of atmospheric carbon dioxide (CO2) at the surface. Note: distinct from overall radiative effect of CO2 as greenhouse gas.*

Avalanche
BT : Snow avalanche
TT : Snow and Ice

★ *Mass movement of snow, ice and rocks, often in mountainous areas.*

Average humidity patterns
UF : *Increasing humidity*
Decreasing humidity
Changing humidity
BT : Mean air temperture
Mean precipitation
Aridity
Mean wind speed
TT : Heat and Cold
Wet and Dry
Wind

★ *Changing diurnal and seasonal humidity patterns, including sustained high and low humidity events.*

Average precipitation patterns
UF : *Average rainfall*
Average rainfall patterns
Decreasing rainfall
Increasing rainfall
BT : Mean precipitation
TT : Wet and Dry

★ *Changing diurnal and seasonal patterns of precipitation. Does not include high precipitation events.*

~~Average rainfall~~
USE : Average precipitation patterns

~~Average rainfall patterns~~
USE : Average precipitation patterns

Average temperature patterns
UF : *Increasing temperature*
Decreasing temperature
Changing temperature
BT : Mean air temperture
TT : Heat and Cold

★ *Changing diurnal and seasonal temperature patterns.*

Average wind speed
UF : *Increasing wind speed*
Decreasing wind speed
BT : Mean wind speed
TT : Wind

★ *Changing patterns in average wind speed.*

Average wind transportation patterns
UF : *Changing prevailing winds*
BT : Mean wind speed
TT : Wind

★ *Changing patterns in average wind movement, such as changing directions of prevailing winds.*

~~Biological colonisation~~
USE : Biological growth

~~Biological colonization~~
USE : Biological growth

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http://purl.org/heritagedata/schemes/38076 : A-Z

Biological growth
UF : *Biological colonization*
Biological colonisation
BT : Mean air temperture
Agricultural and ecological drought
Lake, river and sea ice
Mean ocean temperatures
Marine heatwaves (CID type)
Ocean acidity
Ocean salinity (CID type)
Dissolved Oxygen (CID type)
Atmospheric CO2 at surface
Radiation at surface
TT : Heat and Cold
Wet and Dry
Snow and Ice
Open Ocean
Other

★ *Change in typical biological growth patterns, such as changing levels of organisms, and mould, fungi, algae, and lichen growth. Does not include changing species distribution.*

~~Bush fire~~
USE : Uncontrolled fire

~~Changing humidity~~
USE : Average humidity patterns

~~Changing prevailing winds~~
USE : Average wind transportation patterns

~~Changing temperature~~
USE : Average temperature patterns

Coastal
NT : Relative sea level
Coastal flood
Coastal erosion (CID type)

★ *Climatic Impact-Drivers associated primarily with the land and sea interface.*

Coastal erosion
BT : Coastal erosion (CID type)
Snow, glacier and ice sheet
TT : Coastal
Snow and Ice

★ *Long term or episodic changes of shorelines. Caused by storms, rising sea levels, wave action, tides, wind-driven rain, ocean currents, and ice.*

Coastal erosion (CID type)
BT : Coastal
TT : Coastal
NT : Coastal erosion
Coastal landslide

★ *Long term or episodic change in shoreline position caused by relative sea level rise, nearshore currents, waves and storm surge.*

Coastal flood
BT : Coastal
TT : Coastal
NT : Saltwater incursion
Coastal flooding

★ *Flooding driven by episodic high coastal water levels that result from a combination of relative sea level rise, tides, storm surge and wave setup.*

Coastal flooding
BT : Coastal flood
Severe wind storm
TT : Coastal
Wind

★ *Episodic flooding of coastal areas. Connected to rising sea levels, storm surges, wave action, and high tides.*

~~Coastal instability~~
USE : Coastal landslide

Coastal landslide
UF : *Coastal instability*
BT : Coastal erosion (CID type)
TT : Coastal

★ *Rapid loss or movement of coastlines.*

~~Cold snap~~
USE : Cold wave

Cold spell
BT : Heat and Cold
TT : Heat and Cold
NT : Low temperature events

★ *Episodic cold air temperature events potentially exacerbated by wind.*

~~Cold spell~~
USE : Cold wave

Cold wave
UF : *Cold snap*
Cold spell
BT : Low temperature events
TT : Heat and Cold

★ *A rapid fall in temperature.*

~~Cyclone~~
USE : Tropical cyclone

~~Decreasing humidity~~
USE : Average humidity patterns

~~Decreasing rainfall~~
USE : Average precipitation patterns

~~Decreasing temperature~~
USE : Average temperature patterns

~~Decreasing wind speed~~
USE : Average wind speed

Derecho
BT : Severe wind storm
TT : Wind

★ *A group of thunderstorms causing long-lived straight-lined wind storms.*

Desertification
BT : Aridity
TT : Wet and Dry

★ *Long-term land degradation in which one of the three (biological productivity, ecological integrity or value to humans) is reduced or lost.*

Desiccation
BT : Aridity
TT : Wet and Dry

★ *Extreme drying of hygroscopic materials.*

Dissolved Oxygen
BT : Dissolved Oxygen (CID type)
TT : Open Ocean

★ *Fluctuations in concentration of dissolved oxygen in seawater.*

Dissolved Oxygen (CID type)
BT : Open Ocean
TT : Open Ocean
NT : Biological growth
Species distribution
Low oxygen events
Dissolved Oxygen

★ *Profile of ocean water-dissolved oxygen and episodic low oxygen events.*

Drought
BT : Hydrological drought
Agricultural and ecological drought
TT : Wet and Dry

★ *A period of drier-than-normal conditions for the area and season.*

Dust storm
BT : Sand and dust storm
TT : Wind

★ *Strong winds causing the transportation of dust and soil.*

Extratropical cyclone
BT : Severe wind storm
TT : Wind

★ *Low-pressure systems occuring in middle latitutdes, capable of causing extreme precipitation, storm surges, extreme winds, sea level and wave build up.*

Extreme heat
BT : Heat and Cold
TT : Heat and Cold
NT : Rapid humidity fluctuations
High temperature events

★ *Episodic high air temperature events potentially exacerbated by humidity.*

Extreme melt event
BT : Snow, glacier and ice sheet
TT : Snow and Ice

★ *Rapid melting of ice or snowpack.*

~~Extreme rainfall~~
USE : Heavy precipitation event

Extreme wind speed
UF : *Wind gusts*
High winds
BT : Severe wind storm
TT : Wind

★ *Wind speed above typical levels.*

~~Fire season~~
USE : Fire weather

Fire weather
UF : *Fire season*
BT : Fire weather (CID type)
TT : Wet and Dry

★ *Diurnal and seasonal periods when fires are likely to start and spread.*

Fire weather (CID type)
BT : Wet and Dry
TT : Wet and Dry
NT : Uncontrolled fire
Fire weather

★ *Weather conditions conducive to triggering and sustaining wildfires, usually based on a set of indicators and combinations of indicators including temperature, soil moisture, humidity and wind. Fire weather does not include the presence or absence of fuel load. Note: distinct from wildfire occurrence and area burned.*

Fluvial flood
UF : *River flooding*
Riverine flooding
BT : River flood
Snow, glacier and ice sheet
Heavy snowfall and ice storm
TT : Wet and Dry
Snow and Ice

★ *Rising levels of water in rivers, streams or creeks.*

~~Forest fire~~
USE : Uncontrolled fire

Freeze-thaw cycles
BT : **Frost**
TT : **Heat and Cold**

★ *Diurnal or seasonal changes of freeze-thaw cycles.*

Freeze-thaw events
BT : **Frost**
TT : **Heat and Cold**

★ *Freeze-thaw events.*

Freezing rain
BT : **Heavy snowfall and ice storm**
TT : **Snow and Ice**

★ *Rain that freezes upon contact with cold surfaces.*

Frost
BT : **Heat and Cold**
TT : **Heat and Cold**
NT : **Freeze-thaw cycles**
Freeze-thaw events
Frost heave

★ *Freeze and thaw events near the land surface and their seasonality.*

Frost heave
BT : **Frost**
Permafrost
TT : **Heat and Cold**
Snow and Ice

★ *Lifting of the soil due to swelling caused by the pressure of ice moving towards the surface of the ground.*

Glacial melt
BT : **Snow, glacier and ice sheet**
TT : **Snow and Ice**

★ *Melting, shrinking, and calving of glaciers.*

~~*Ground instability*~~
USE : **Shrink-swell**

Groundwater flooding
BT : **Mean precipitation**
Snow, glacier and ice sheet
TT : **Wet and Dry**
Snow and Ice

★ *Flooding caused by sustained high water table levels.*

Hail
UF : ***Hail storm***
BT : **Severe wind storm**
TT : **Wind**

★ *Pellets of solid precipitation.*

Hail
BT : **Hail (CID type)**
TT : **Snow and Ice**

Hail (CID type)
BT : **Snow and Ice**
TT : **Snow and Ice**
NT : **Hail**

★ *Storms producing solid hailstones.*

~~*Hail storm*~~
USE : **Hail**

Heat and Cold
NT : **Mean air temperture**
Extreme heat
Cold spell
Frost

★ *Climatic Impact-Drivers associated with air temperature.*

Heat wave
BT : **High temperature events**
TT : **Heat and Cold**

★ *An extended period of high temperatures.*

Heavy precipitation and pluvial flood
BT : **Wet and Dry**
TT : **Wet and Dry**
NT : **Heavy precipitation event**
Pluvial flood

★ *Episodic high rates of precipitation and resulting localized flooding of streams and flat lands.*

Heavy precipitation event
UF : ***Extreme rainfall***
Heavy rainfall
BT : **Heavy precipitation and pluvial flood**
Severe wind storm
TT : **Wet and Dry**
Wind

★ *Episodic events of heavy precipitation.*

~~*Heavy rainfall*~~
USE : **Heavy precipitation event**

Heavy snowfall
BT : **Heavy snowfall and ice storm**
TT : **Snow and Ice**

★ *Higher than average snowfall events.*

Heavy snowfall and ice storm
BT : **Snow and Ice**
TT : **Snow and Ice**
NT : **Fluvial flood**
Pluvial flood
Heavy snowfall
Freezing rain
Ice storm
Rain-on-snow

★ *High snowfall and ice storm events including freezing rain and rain-on-snow conditions.*

High temperature events
BT : Extreme heat
TT : Heat and Cold
NT : Heat wave

★ *High temperature events, including heat waves.*

~~High winds~~
USE : Extreme wind speed

~~Hurricane~~
USE : Tropical cyclone

Hydrological drought
BT : Wet and Dry
TT : Wet and Dry
NT : Water table
Drought

★ *Episodic combination of runoff deficit and evaporative demand that affects surface water or groundwater availability.*

Ice extent
BT : Lake, river and sea ice
TT : Snow and Ice

★ *Changing patterns of ice formations, often leading to previously frozen areas becoming ice-free.*

Ice storm
BT : Heavy snowfall and ice storm
TT : Snow and Ice

★ *Storm characterized by freezing rain.*

~~Increasing humidity~~
USE : Average humidity patterns

~~Increasing rainfall~~
USE : Average precipitation patterns

~~Increasing temperature~~
USE : Average temperature patterns

~~Increasing wind speed~~
USE : Average wind speed

~~Invasive species~~
USE : Species distribution

Lake, river and sea ice
BT : Snow and Ice
TT : Snow and Ice
NT : Biological growth
Shoreline erosion
Ice extent

★ *The characteristics and seasonality of ice formations on the ocean and freshwater bodies of water.*

Landslide
BT : Landslide (CID type)
TT : Wet and Dry
NT : Mudslide
Rockfall

★ *A geological mass movement of soil, debris, mud or rocks*

Landslide (CID type)
BT : Wet and Dry
TT : Wet and Dry
NT : Landslide
Shrink-swell

★ *Ground and atmospheric conditions that lead to geological mass movements, including landslide, mudslide and rockfall.*

Low oxygen events
BT : Dissolved Oxygen (CID type)
TT : Open Ocean

★ *Episodes of extreme low oxygen levels in the ocean.*

Low temperature events
BT : Cold spell
TT : Heat and Cold
NT : Cold wave

★ *Low temperature events. Includes the effects of wind-chill, does not include snow and ice conditions.*

Marine heatwaves
BT : Marine heatwaves (CID type)
TT : Open Ocean

★ *Episodes of extreme high ocean temperatures.*

Marine heatwaves (CID type)
BT : Open Ocean
TT : Open Ocean
NT : Biological growth
Species distribution
Marine heatwaves

★ *Episodic extreme ocena temperatures.*

Mean air temperture
BT : Heat and Cold
TT : Heat and Cold
NT : Average temperature patterns
Average humidity patterns
Salt crystallization cycles
Biological growth
Species distribution

★ *Mean surface air temperature and its diurnal and seasonal cycles.*

Mean ocean temperatures
BT : Open Ocean
TT : Open Ocean
NT : Biological growth
Species distribution
Wave action
Water temperature
Ocean currents

★ *Mean temperature profile of ocean through the seasons, including heat content at different depths and associated stratification.*

Mean precipitation
BT : Wet and Dry
TT : Wet and Dry
NT : Average humidity patterns
Salt crystallization cycles
Average precipitation patterns
Groundwater flooding
Water table

★ *Mean precipitation and its diurnal and seasonal cycles.*

Mean wind speed
BT : Wind
TT : Wind
NT : Average humidity patterns
Average wind speed
Average wind transportation patterns
Wind-driven rain

★ *Mean wind speeds and transport patterns and their diurnal and seasonal cycles,*

Mudslide
BT : Landslide
TT : Wet and Dry

★ *Mass movement of fine or liquified debris.*

Ocean acidity
BT : Open Ocean
TT : Open Ocean
NT : Biological growth
Acidification

★ *Profile of ocean water pH levels and accompanying concentrations of carbonate and bicarbonate ions.*

Ocean currents
BT : Mean ocean temperatures
TT : Open Ocean

★ *The continuous patterns of seawater movement.*

Ocean salinity
BT : Ocean salinity (CID type)
TT : Open Ocean

★ *Amount of salt dissolved in sea water.*

Ocean salinity (CID type)
BT : Open Ocean
TT : Open Ocean
NT : Biological growth
Species distribution
Ocean salinity

★ *Profile of ocean salinity and assoicated seasonal stratification. Note: distinct from salinization of freshwater resources.*

Open Ocean
NT : Mean ocean temperatures
Marine heatwaves (CID type)
Ocean acidity
Ocean salinity (CID type)
Dissolved Oxygen (CID type)

★ *Climatic Impact-Drivers associated with ocean thermal structure and chemistry.*

Other
NT : Air pollution weather (CID type)
Atmospheric CO2 at surface
Radiation at surface

★ *Climatic Impact-Drivers associated with atmospheric chemistry and radiation.*

Permafrost
BT : Snow and Ice
TT : Snow and Ice
NT : Frost heave
Permafrost thaw

★ *Permanently frozen deep soil layers, their ice characteristics, and the characteristics of seasonally frozen soils above.*

Permafrost thaw
BT : Permafrost
TT : Snow and Ice

★ *Melting of the permafrost due to increasing global temperatures.*

Pluvial flood
UF : *Surface water flooding*
BT : Heavy precipitation and pluvial flood
Heavy snowfall and ice storm
TT : Wet and Dry
Snow and Ice

★ *Localised flooding of low-lying areas due to heavy precipitation. Independent of nearby bodies of water.*

Radiation at surface
BT : Other
TT : Other
NT : Biological growth

★ *Balanace of net shortwave, longwave and ultraviolet radiation at the Earth's surface and their diurnal and seasonal patterns.*

Rain-on-snow
BT : Heavy snowfall and ice storm
TT : Snow and Ice
★ *Rainfall on existing snowpack.*

Rapid humidity fluctuations
BT : Extreme heat
TT : Heat and Cold
★ *Rapid changes in relative humidity levels, can be due to diurnal cycles or fast-moving weather systems.*

Relative sea level
BT : Coastal
TT : Coastal
NT : Sea level rise
Storm surge
Saltwater incursion
★ *The local mean sea surface height relative to the local solid surface.*

River flood
BT : Wet and Dry
TT : Wet and Dry
NT : Fluvial flood
★ *Episodic high water levels in streams and rivers driven by basin runoff and the expected seasonal cycle of flooding.*

~~*River flooding*~~
USE : Fluvial flood

~~*Riverine flooding*~~
USE : Fluvial flood

Rockfall
UF : *Rockslide*
BT : Landslide
TT : Wet and Dry
★ *Rockslide or fall due to geological mass movement.*

~~*Rockslide*~~
USE : Rockfall

~~*Salt crystallisation cycles*~~
USE : Salt crystallization cycles

Salt crystallization cycles
UF : *Salt crystallisation cycles*
BT : Mean air temperture
Mean precipitation
TT : Heat and Cold
Wet and Dry
★ *Crystallization and dissolution of salts caused by wetting and drying cycles, temperature, and humidity fluctuations.*

Saltwater incursion
UF : *Salt-water inundation*
Saltwater inundation
BT : Relative sea level
Coastal flood
TT : Coastal
★ *Movement of saline waters into freshwater zones*

~~*Saltwater inundation*~~
USE : Saltwater incursion

~~*Salt-water inundation*~~
USE : Saltwater incursion

Sand and dust storm
BT : Wind
TT : Wind
NT : Sand storm
Dust storm
★ *Storms causing the tranpsort of soil and fine dust particles.*

Sand storm
BT : Sand and dust storm
TT : Wind
★ *Strong winds causing the transportation of sand and soil.*

Sea level rise
UF : *Sea-level rise*
BT : Relative sea level
Snow, glacier and ice sheet
TT : Coastal
Snow and Ice
★ *Rising mean sea surface height. Caused by melting ice sheets and glaciers and the expansion of seawater as it warms.*

~~*Sea-level rise*~~
USE : Sea level rise

~~*Settling*~~
USE : Subsidence

Severe wind storm
BT : Wind
TT : Wind
NT : Heavy precipitation event
Storm surge
Coastal flooding
Extreme wind speed
Hail
Thunderstorm
Tornado
Derecho
Extratropical cyclone
Wave action
★ *Episodic severe storms including extratropical cyclones, thunderstorms, wind gusts, derechos and tornados.*

Shoreline erosion
BT : **Snow, glacier and ice sheet**
Lake, river and sea ice
TT : **Snow and Ice**

★ *Destabilisation of shorelines.*

Shrink-swell
UF : ***Ground instability***
BT : **Landslide (CID type)**
TT : **Wet and Dry**
NT : **Subsidence**
Soil heave

★ *Volume changes in the soil as a result of changes in moisture content.*

Snow, glacier and ice sheet
BT : **Snow and Ice**
TT : **Snow and Ice**
NT : **Groundwater flooding**
Water table
Fluvial flood
Sea level rise
Coastal erosion
Glacial melt
Extreme melt event
Acidification
Water temperature
Shoreline erosion

★ *Snowpack seasonality and characteristics of glaciers and ice sheets including calving events and meltwater.*

Snow and Ice
NT : **Snow, glacier and ice sheet**
Permafrost
Lake, river and sea ice
Heavy snowfall and ice storm
Hail (CID type)
Snow avalanche

★ *Climatic Impact-Drivers associated with many aspects of the cryosphere which are regions with snow and ice.*

Snow avalanche
BT : **Snow and Ice**
TT : **Snow and Ice**
NT : **Avalanche**

★ *Cryospheric mass movements and the conditions of collapsing snowpack.*

Soil heave
BT : **Shrink-swell**
TT : **Wet and Dry**

★ *Lifting of the ground due to the swelling of the soil.*

Species distribution
UF : ***Invasive species***
BT : **Mean air temperture**
Mean ocean temperatures
Marine heatwaves (CID type)
Ocean salinity (CID type)
Dissolved Oxygen (CID type)
TT : **Heat and Cold**
Open Ocean

★ *Expansion and contraction of typical species distribution patterns, includes invasive species.*

~~Storm flood~~
USE : **Storm surge**

Storm surge
UF : ***Storm flood***
Tidal surge
Storm tide
BT : **Relative sea level**
Severe wind storm
TT : **Coastal**
Wind

★ *Rise of sea level due to high storm winds.*

~~Storm tide~~
USE : **Storm surge**

Subsidence
UF : ***Settling***
BT : **Shrink-swell**
TT : **Wet and Dry**

★ *Collapse or lowering of the ground due to soil shrinkage.*

~~Surface water flooding~~
USE : **Pluvial flood**

Thunderstorm
BT : **Severe wind storm**
TT : **Wind**

★ *A storm with thunder and lightning. Sometimes causes hail, heavy rain, and high winds.*

~~Tidal surge~~
USE : **Storm surge**

Tornado
BT : **Severe wind storm**
TT : **Wind**

★ *A rotating column of air, connecting a cloud to the surface of the Earth.*

Tropical cyclone
UF : ***Hurricane***
Typhoon
Cyclone
BT : **Tropical cyclone (CID type)**
TT : **Wind**

★ *Low-pressure systems forming over oceans characterised by high winds, heavy precipitation, and storm surge.*

Tropical cyclone (CID type)
BT : **Wind**
TT : **Wind**
NT : **Tropical cyclone**

★ *Strong, rotating storm originating over tropical oceans with high winds, rainfall and storm surges.*

~~Typhoon~~
USE : **Tropical cyclone**

Uncontrolled fire
UF : ***Forest fire***
Wildfire
Bush fire
BT : **Fire weather (CID type)**
TT : **Wet and Dry**

★ *A large unplanned fire, often spreading quickly.*

Water table
BT : **Mean precipitation**
Aridity
Hydrological drought
Snow, glacier and ice sheet
TT : **Wet and Dry**
Snow and Ice

★ *Fluctuation in water table levels.*

Water temperature
BT : **Snow, glacier and ice sheet**
Mean ocean temperatures
TT : **Snow and Ice**
Open Ocean

★ *Changing water temperatures.*

Wave action
BT : **Severe wind storm**
Mean ocean temperatures
TT : **Wind**
Open Ocean

★ *Wave movement and the related changes in connected forces (for example, buoyancy or hydrostatic force).*

Wet and Dry
NT : **Mean precipitation**
River flood
Heavy precipitation and pluvial flood
Landslide (CID type)
Aridity
Hydrological drought
Agricultural and ecological drought
Fire weather (CID type)

★ *Climatic Impact-Drivers associated with precipitation or lack thereof.*

~~Wildfire~~
USE : **Uncontrolled fire**

Wind
NT : **Mean wind speed**
Severe wind storm
Tropical cyclone (CID type)
Sand and dust storm

★ *Climatic Impact-Drivers associated with atmospheric circulation and storms*

Wind-driven rain
BT : **Mean wind speed**
TT : **Wind**

★ *Rain and wind occurring together, giving rain a horizontal velocity.*

~~Wind gusts~~
USE : **Extreme wind speed**