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1996

# Conservation Thesaurus

by Tom Moritz



a project of the Libraries of  
**IUCN and the California Academy of Sciences**



**IUCN**  
The World Conservation Union

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# **Conservation Thesaurus**

**Version 1.0**

**by**

**Tom Moritz**  
**Academy Librarian**  
**California Academy of Sciences**

**IUCN-The World Conservation Union**  
**1996**

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The terminology contained in this publication or its presentation do not imply the expression of any opinion whatsoever on the part of IUCN - The World Conservation Union or the California Academy of Sciences.

*Chlorine-free paper*

"J'ai vu dans l'oeil animal  
la vie paisible qui dure,  
le calme impartial  
de l'imperturbable nature."

In the animal eye I saw  
a peaceable life, enduring,  
the impartial calm  
of nature, imperturbable.

—from *Vergers* ("Orchards")  
by Rainer Maria Rilke

*(written in the Swiss countryside not far from  
IUCN Headquarters in Gland)*



## I. Nature and the Natural World

(SN: Terminology to describe the natural world)

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(SN: Human activities which directly impact the natural world)

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(SN: Human activities having indirect consequences for the natural world.)

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In an era of rapid technological advances in information processing, of hypermedia, "artificial intelligence" and "full text" indexing of documents, it may seem anachronistic to undertake the creation of a "thesaurus" for conservation and sustainable development. Nevertheless, there are convincing arguments to be made for this effort.

On a global scale, many participants in the conservation enterprise do not have access to new technology or, at best, have very limited access. Many others are contributing wholeheartedly with relatively little experience, inadequate training or inadequate tools.

And the forces which relentlessly threaten the integrity of nature are often powerfully equipped with the latest technologies.

This work is an effort to put into the hands of those who most need it, one relatively simple tool for the indexing and organization of the information which is so essential to effective conservation. It is hoped that it will be of value in collating on an international scale information generated from local, national and regional conservation efforts thus contributing to the marshalling of the information resources of the conservation movement in a more productive way.

It seems clear that as the focus of thesauri shift, so also will the emphasis and prominence given to certain themes. Those themes having priority and extensive detail in one work may recede in importance and detail in another.

And, there are numerous other thesauri which can be brought to bear on the problems of conservation and sustainable development. As noted in the Introduction, links are provided to several of these at the highest term level in many instances. Hoping that this may assist in the ultimate emergence of a synthetic "macrothesaurus" derived from a variety of major sources. It is his hope that this "preliminary edition" ("Version 1") will provide a basis for more detailed critical evaluations and revisions before the Thesaurus is put into wide use, reviewers are urged to submit suggestions for corrections or changes directly to the compiler.

Many individuals and institutions have participated in the compilation of this work, their assistance is gratefully acknowledged. The compiler is aware of the presumption implied by this effort and accepts full responsibility for inevitable shortcomings.

The compiler wishes to thank the California Academy of Sciences and particularly former Executive Director Roy Eisenhardt and Director of Research Patrick Kociolek for making this project possible. In addition, the CAS Library and Biodiversity Resource Center staff provided key support. At IUCN, the support of Kevin Grose, Cecile Thiery and Nicole Manette was essential and many IUCN staff in Gland as well as in Pakistan and Nepal made me welcome. Susan Schneider of Pacific Discovery Magazine provided essential assistance in design and layout. Deborah and Nicole Cordier provided friendship and bolstered morale during the production of this work.

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The mission of IUCN, the World Conservation Union, is to influence, encourage and assist societies throughout the world to conserve the integrity and diversity of nature and to ensure that any use of natural resources is equitable and ecologically sustainable."

In designing a print-form thesaurus, many different logical, semantic schemes are possible. In that few (if any) thesauri are encyclopedic in scope, thematic emphases govern the selection of top level terms, the priority or emphasis given to certain themes as well as the depth of treatment of selected themes. The organization of this thesaurus derives from close consideration of the IUCN mission. And its intended users are those concerned primarily with the indexing and organization of information linked to IUCN's world wide activities and more broadly, the conservation and sustainable development community.

To assist users in identifying key concepts and associated terminology, five broad thematic categories have been designed:

These broad categories are:

### **Nature and the Natural World**

*(SN: Terminology to describe the natural world)*

### **Human Direct Impacts on Nature**

*(SN: Human activities which directly impact the natural world)*

### **Human Indirect Impacts on Nature**

*(SN: Human activities having indirect consequences for the natural world.)*

### **Effects of Human Impacts**

*(SN: Terms describing the effects of human activity.)*

### **Conservation Responses**

*(SN: Terms describing the range of conservation responses.)*

This structure does not, of course, represent the only possible organization of the selected terminology but the compiler hopes that this design is intuitive and permits a relatively clear and accessible presentation of concepts for the intended user community.

The distinction between "direct" and "indirect" impacts on nature required some discretion, but the compiler feels that the distinction largely succeeds in identifying those activities which directly impinge upon the natural world as opposed to those which support other forms of human activity which have direct, concrete impacts.

Primary Emphasis: Particularly in the area of "indirect impacts", exhaustive efforts have not

been made to supply full sets of terms where such terms have already been comprehensively treated in other established thesauri.

Links to other Thesauri: Among the other thesauri which have relevance to the broad themes of conservation and sustainable development are the UNEP INFOTERRA Thesaurus, the United Nations UNBIS Thesaurus, the OECD Macrothesaurus for Information Processing in the Field of Economic and Social Development and the Thesaurus for the Environment of the Italian National Research Council (for the European Union).

Efforts have been made to provide links to each of these thesauri where possible at least at the top levels in the proposed hierarchy. As noted in the preface, it is hoped that these links may encourage development of a more synthetic macrothesaurus which can draw on the strengths of these various sources (and others). The possibility of such integration and synthesis occurring within a hypermedia environment seems very promising.

As noted in the Preface, this version (Version 1) is intended to encourage practical criticism and further refinements of the terminology. It is hoped that users will be clear in specifying which version of the thesaurus is being used.

### **EXISTING STANDARDS:**

In some instances, there are well established terminologies (for example the Chemical Abstracts System registry of chemical compounds or the United Nations listing of standard names for currencies). Where such extensive standards already exist no effort is made here to reproduce them, they are simply pointed to from this thesaurus. Ultimately it seems desirable that a comprehensive and composite resource (perhaps a composite CD-ROM or relational database) for authority control should be developed.

**GEOGRAPHY:** Geographic names pose a problem in that precise, worldwide coverage is very uneven. Some countries are very well served by gazetteers (the United States and Canada, for example) and others poorly served (Paraguay or Pakistan, for example). There is a clear need for the development of a

common worldwide source for geographic names with precise geographic resolution.

**BIOGEOGRAPHY:** A problem very closely linked to geographic names is the standard description of biogeographic regions. The Udvardy standard adopted by UNESCO in 1972 is the most widely used standard, but most users do not find it fully satisfactory. A separate publication addressing this issue is planned.

**TAXONOMY:** In the case of taxonomy, scientific names are often controversial (both because they are imbedded parts of phylogenetic systems of classification and because establishing priority of names and the consequent reduction to valid species names are an ongoing process).

Moreover, the global designation of English (or other European language ) names as "common names" is seriously objectionable as a manifestation of ethnocentricity.

The comprehensive listing and standardization of common, colloquial names for organisms and the linking of these names to the system of scientific names requires a major effort — an effort which will result in a product of immense value worldwide in the collation of biodiversity information — but an effort which is well beyond the possible scope of this project.

While the inclusion of high level common names for vertebrates and plants is possible, we have chosen to avoid the more complex issue of linking common names to scientific names or phylogenetic systems. It is intended that a separate publication will be produced treating this problem exclusively.

## Standard Entry:

Standard thesaurus notation has been followed:

"SN:" = SCOPE NOTE (Describes special conditions for application of term or provides definitions for less familiar terms.)

"UF:" = USE FOR (Links a preferred term to terms not to be used.)

"U:" = USE (Points from a term not to be used to the preferred term. -- PENDING FURTHER REVISIONS, NOT APPLIED IN VERSION 1.0.)

"RT:" = RELATED TERM (Links preferred terms to other preferred terms which may be logically associated.)

## Facets:

A form of facet analysis was developed to insure that principal headings were comprehensively described. These categories were intended as an heuristic device to insure that coverage beneath major terms is inclusive.

The facets employed were:

AGENTS.Subjects  
(SN: Human Beings.Organisms)

EQUIPMENT.Tools.Structures

MATERIALS.Properties.Characteristics

PROCESSES.Operations

THEORIES.Concepts.Hypotheses

## Language:

British English is the intended standard for spelling, future versions will reflect this standard.

## TIME

### CHRONOLOGY

**GEOLOGIC TIME** [SN: Hierarchy represents :  
Geologic Era/Geologic Period/Geologic Epoch]

#### Paleozoic

Precambrian

Cambrian

Ordovician

Silurian

Devonian

Early Carboniferous

Late Carboniferous

Permian

#### Mesozoic

Triassic

Jurassic

Cretaceous

#### Cenozoic

Tertiary

Palaeocene

Eocene

Oligocene

Miocene

Quaternary

Pleistocene

Holocene

### SIDEREAL TIME

### SOLAR TIME

Day RT: Circadian Rhythms

Daylight RT: Diurnal Rhythms

Night RT: Nocturnal Rhythms

#### Equinoxes

Autumn Equinox

Spring Equinox

#### Greenwich Mean Time

#### Solstices

Summer Solstice

Winter Solstice

Year RT: Seasons, Annual Cycles, Circannual Cycle

### LUNAR TIME

Month

## PHYSICS RT: Biophysics

### BUOYANCY

### CONDUCTIVITY

### GRAVITY

### ELECTRICITY

### ENERGY

### LIGHT

MAGNETISM RT: Geomagnetism

### MATTER

### MECHANICS

## CHEMISTRY [SN: See Standard — CAS REGISTRY]

## ASTRONOMY

### ASTEROIDS

### COMETS

### MOON

### PLANETS

### SOLAR SYSTEM

### STARS

### SUN

Solar radiation

Sun Disturbances

Magnetic Storms

Sun Spots

## ATMOSPHERE

AIR (SN: Properties and constituents of air)

### AIR CHEMISTRY

Aerosols

Argon

Carbon dioxide RT: Greenhouse Gases

Methane RT: Greenhouse Gases

Nitrogen

Oxygen

Particulates

### AIR QUALITY

### ATMOSPHERIC LAYERS

Stratosphere

Troposphere

### GREENHOUSE GASES

RT: Carbon Dioxide, Methane, Greenhouse Effect

### LIGHT

### DARKNESS

### WEATHER

### WEATHER PHENOMENA

Air Pressure

Clouds

Cloud Composition

Ice Crystal Clouds

Mixed Clouds

Water Clouds

Cloud Cover

Cloud Genera

Alto cumulus

Alto stratus

Cirrocumulus

Cirrostratus

Cirrus

Cumulonimbus

Cumulus

Nimbostratus

Stratocumulus

Stratus

Fog

## Humidity

### Humidity Provinces (SN: *Thornwaite, 1931*)

Arid Province  
Humid Province  
Semiarid Province  
Subhumid Province  
Wet Province

## Precipitation

### Frost

Hoarfrost  
Rime

### Hail

### Rain

### Sleet

### Snow

Avalanches  
*Slab avalanche*  
*Loose snow avalanche*

### Snow crystals

*Capped columns*  
*Columns*  
*Compound crystals*  
*Graupel*  
*Needles*  
*Plates*  
*Spatial dendrites*  
*Stellar crystals*

### Snow pack

### Snowcover

*Com snow*  
*Cornices*  
*Drainage Patterns*  
*Erosional Features*  
*Sastrugi*  
*Brachan*  
*Firnspiegel*  
*Meltwater Crust*  
*Nieve Penitentes*  
*Powder Snow*  
*Rotten Snow*  
*Suncups*  
*Verglas*  
*Wind Crust*

## Temperature

### Cold

### Heat

Heat wave

## Storms

### Blizzards

Ice storms

### Cyclones

### Dust Storms

### Gales

### Hail Storms

### Hurricanes (UF: *Tropical Cyclones*)

### Sand Storms

### Storm Track

## Thunderstorms

Lightning

Tornadoes

Typhoons

## Wind

Beaufort Scale

Prevailing Winds

Wind Direction

Wind Speed

## LITHOSPHERE

### CLIMATE (SN: *Typical weather at specific geographic site or region*)

Autumn (UF: *Fall*)

Climatology

Drought

Dry Season

Microclimate

Seasons. Seasonality

Spring

Summer

Wet Season. Rainy Season

Monsoons

Winter

## CYCLES

Biogeochemical Cycles

Carbon cycle

Nitrogen cycle

Hydrologic Cycle

Natural Fires RT: *Fire Ecology, Fire Regime*

Nutrient Cycle

## GEOGRAPHY. OCEANOGRAPHY

Place Names (SN: *See Standards*)

### Terrestrial Features

Archipelago

Atoll

Basin

Beach

Canyon

Desert

Dunes

Elevated Places

Cliffs

Hills

Mountains

*Foothills*

*Massif*

*Mountain range*

*Ridge*

*Ridge Saddle*

*Summit (UF: Peak)*

*Pinnacles (UF: Tors)*

- Plateau (*UF: Mesa*)
- Point
- Promontory
- Inhabited Places** *RT: Human Settlements*
  - City
  - Encampments
  - Metropolitan Area
  - Municipality
  - Settlement
  - Town
  - Village
- Island**
  - Cay
- Landscape**
- Peninsula**
- Playas**
- Ravine**
- Terrain**
- Valley**
- Aquatic Features**
  - Abyssal Depths
  - Artificial Lake
  - Artificial Pond
  - Stream Bank
  - Bathymetry
  - Bathypelagic
  - Bay
  - Benthos
    - Sediment
    - Substrate
      - Artificial Substrate
  - Bight
  - Cape
  - Coast
  - Continental Shelf
    - Outer continental shelf
  - Deep Sea Trench *UF: Oceanic trench*
  - Deep Sea Vents *RT: Hydrothermal Vents*
  - Estuary
  - Glaciers
    - Braided outwash stream
    - Glacial erratics
    - Glacial ice
      - Bergschrund
      - Crevasses
        - crenate crevasses
        - en echelon crevasses
        - marginal crevasses
      - Firn line
      - Moat
      - Terminus
    - Glacial Till
    - Moraines
      - Lateral moraine
      - Medial moraine
      - Moraine lake
      - Outwash plain
      - Terminal moraine
    - Nunatak
  - Groundwater
    - Aquifer
  - Gulf
  - Hydrothermal Vents** *RT: Deep Sea Vents*
  - Ice
    - Ice cap
    - Ice dam
    - Lake ice
    - Sea Ice
      - Ice floes
      - Ice pack
      - Iceberg
  - Intertidal Zone**
  - Lagoon**
    - Seepage Lagoon
  - Lake**
  - Oasis**
  - Ocean**
  - Neritic Zone** *RT: Pelagic Zone*
  - Pelagic Zone** *RT: Neritic Zone*
  - Point
  - Pond
  - Rapids
  - Reefs
    - Barrier Reefs
    - Coral Heads
    - Fringe Reefs
    - Patch Reefs
  - Sea
  - Water course**
    - Channel
    - Flood Plain
      - Bottomlands
    - Meander
    - Rivers
    - Streams (*UF: Creek*)
    - Stream Ordination (*SN: "Class 1", etc.*)
    - Tributary (*UF: Branch, Fork*)
  - Shoals
  - Splash Zone** (*SN: Intertidal or waterfalls*)
  - Spring
  - Strait
  - Surface Runoff**
  - Underwater Features** *RT: Deep Sea*
    - Trench
    - Mid-Oceanic Ridge
    - Sea Mount
  - Vernal Pool**
  - Waterfall** (*UF: Cascade*)
  - Waterhole**
  - Watershed**
  - Wetlands** (*SEE Appendix 3*)
  - Aquatic Phenomena**
    - Boundary Layer
    - Circulation
    - Current
      - Undercurrent
    - Downwelling *RT: Upwelling*

Drift  
 Eddy  
 El Nino  
 Evaporation  
 Floods  
     Flash Floods  
     Flood plain  
 Flow  
     Instream flow  
 Groundwater Flow  
 Gyre  
 Mean High Water  
 Mean Low Water  
 Seiche  
 Storm surges  
 Tides  
     Ebb Tide  
     Slack Tide  
     Neap Tides  
     Tidal bore  
 Upwelling *RT: Downwelling*  
 Warm-core Ring  
 Waves  
     Wave action  
 Whirlpool

#### GEOLOGY AND GEOPHYSICS

Axis  
 Declination  
 Geomagnetism  
 Magnetic North  
 Slope Movements (*Source: Selby. Hillslope Materials and Processes, 1982*)  
     Creeps  
     Flows  
     Rockfalls  
     Slides  
         Debris Slides  
         Mud Slides  
         Rock Slides  
 Seismic Activity  
     Earthquakes. Temblors  
     Faults  
     Geysers  
     Hot springs  
     Plate Tectonics  
         Subduction  
             Subduction zone  
     Rifts  
     Tsunamis *UF: Tidal Waves*  
 Volcanic Events  
     Lava flows  
     Tephra  
     Volcanic ash  
     Volcanic blast  
     Volcanic eruption

Volcanic gas

#### SOIL

Soil Classification (*Standard: FAO-UNESCO Soil Map of the World. Rev. 1988*)

#### Soil qualities

Base Saturation  
 Homogenization  
 Mineral Composition  
 Organic Content  
 Rooting Volume. Rooting Depth  
 Soil Bulk Density  
 Soil Formation  
 Soil Horizon  
 Soil Map  
 Soil Moisture Regimes  
 Soil Nutrient Regimes  
 Soil Permeability  
 Soil Porosity  
 Soil Profile  
 Soil Retention  
 Soil Stability  
 Soil Temperature Regimes  
 Soil Texture  
 Stratification

#### Soil Sampling

Soil Taxonomy (*Standard: USDA. Soil Taxonomy. 1975*)

Soil Order  
 Soil Suborder  
 Soil Great Group  
 Soil Subgroup  
 Soil Family  
 Soil Series

#### WATER (*SN: Properties of water as a substance*)

*RT: Aquatic. Marine. Hydrologic Features*

#### Hydrology

#### Hydrography

#### Seawater

Seawater Analysis *RT: Salinity*

Carbonate  
 Dissolved Oxygen  
 Inorganic Micronutrients  
     Ammonia  
     Copper  
     Hydroxylamine  
     Manganese  
     Phosphorus  
     Polyphosphate  
     Reactive Iron  
     Reactive Nitrate  
     Reactive Nitrite  
     Reactive Silicate  
     Particulate Iron



Soluble Iron  
 Particulate Materials  
   Adenosine Triphosphate (ATP)  
   Chitin  
   Desoxynribose (DNA)  
   Particulate Carbohydrate  
   Particulate Carbon  
   Particulate Lipid  
   Particulate Nitrogen  
   Particulate Phosphorus  
   Pigment Analysis  
     Chlorophylls  
     Phaeo-pigments  
 Photosynthetic Rates  
   Photosynthetic Rate Measurement  
 Soluble Organic Matter  
   Biotin  
   Carbohydrate  
   Cyanocobalamine  
   Monophosphate Esters  
   Soluble Organic Phosphorus  
   Soluble Organic Carbon  
   Thiamine  
 Sulfide  
 Seawater Chemistry  
 Water Chemistry  
 Salinity  
   Salinity Classification  
     Hypersaline  
     Eusaline  
     Mixosaline  
       Polysaline  
       Mesosaline  
       Oligosaline  
   Fresh  
 pH  
   Acid  
   Circumneutral  
   Alkaline  
 Chemical Constituents  
   Cations  
     Calcium  
     Magnesium  
     Potassium  
     Sodium  
   Anions  
     Carbonate  
     Chloride  
     Sulfate  
 Water Clarity  
   Turbidity  
   Secchi Disc

## BIOSPHERE

### BIOGEOGRAPHY

Fauna  
 Flora  
 Phytogeography  
 Zoogeography

### BIOMES

Agricultural Lands  
 Desert. Arid Lands  
   High Desert  
   Low Desert  
 Coastal Zone  
 Forest  
   Boreal Forest  
   Canopy  
   Cloud Forest  
   Rain Forest  
   Temperate Rain Forest  
   Tropical Deciduous Forest  
   Tropical Rain Forest  
 Freshwater *RT: Rivers., Lakes*  
 Grasslands *UF: Steppes. Savannas*  
 Marine *RT: Oceans*  
 Montane *UF: Alpine*  
 Polar  
   Antarctic  
   Arctic  
 Urban  
   Suburban  
 Wetlands  
   Bog  
     Alkaline Bog  
   Fen  
   Marsh  
   Swamp  
   Wet meadow

### BIOLOGY (ANALYTIC) (*SN: INCLUDES*

*HISTOLOGY. ANATOMY. MOLECULAR*  
*BIOLOGY. MORPHOLOGY. PHYSIOLOGY*)

Attachment (*SN: To substrate or other organism*)

### Body Form. Body Plan

Appendages  
 Asymmetry  
 Body Cavity  
 Body Regions  
 Carapace  
 Integument  
 Metamerism  
 Skeleton  
   Supporting Structures  
 Symmetry  
 Cells  
 Circulatory System  
 Colonial Organization  
 Cytology

**Diseases**  
**Digestive System** *RT: Nutrition*  
     **Digestion**  
**Endocrine System**  
**Excretory System**  
**Health**  
**Histology**  
**Immunology**  
**Locomotion**  
**Luminescence**  
**Mantle**  
**Molecules**  
**Musculature**  
**Nervous System**  
**Organ systems**  
     **Sense Organs**  
         **Senses**  
             *Chemoreception*  
                 *Olfactory Reception*  
                 *Taste*  
             *Electrosensitivity*  
             *Humidity Perception*  
             *Mechanoreception*  
             *Photoreception*  
             *Sound Reception*  
             *Thermoreception*  
**Organism**  
**Organs**  
**Reproductive System** *RT: Reproduction*  
**Respiratory System**  
**Subcellular organelles**  
**Thermoregulation**  
     Cold blooded *UF Poikilothermic*  
     Warm blooded *UF Homeothermic*  
**Tissues**

## BIOCHEMISTRY

**Chemical Composition**  
     **Carbohydrate Content**  
     **Lipid and Fatty Acid Content**  
     **Mineral Content**  
     **Nitrogenous Content**  
     **Protein Content**  
     **Steroid Content**  
     **Pollutant Content**  
     **Calorific Value**  
**Metabolic Biochemistry**  
     **Anabolism**  
     **Catabolism**  
     **Nucleotide Function**  
     **Carbohydrate Metabolism**  
     **Enzymes**  
     **Cytochromes**  
     **Lipid and Fatty Acid Metabolism**  
     **Oxidative Metabolism**  
     **Nitrogen Metabolism**  
     **Protein Metabolism**

**Steroid Metabolism**  
**Mineral Metabolism**  
**Pollutant Metabolism**  
**Tissue Storage**  
**Toxins and Venoms**

## BIOPHYSICS *RT: PHYSICS, BUOYANCY*

**Physical Properties of Tissues**  
**Biomechanics**

## ECOLOGY. SYNECOLOGY

**Biomass**  
     **Seasonal Biomass**  
**Carrying Capacity**  
**Community. Biocenosis**  
     **Assemblages**  
     **Association**  
         Amensalism  
         Commensalism  
         Mutualism  
         Parasitism  
             *Kleptoparasitism*  
         Symbiosis  
**Community Composition**  
**Community Succession**  
**Fidelity**  
     Exclusive  
     Selective  
     Preferential  
     Indifferent  
     Accidental  
**Guild**  
**Ordination**  
**Nekton** *RT: Plankton, Pleuston*  
**Plankton** *RT: Nekton, Pleuston*  
     Bacterioplankton  
     Holoplankton  
     Meroplankton  
     Neuston  
     Red Tide  
**Pleuston** *RT: Nekton, Plankton*  
**Plant community**  
     Closed community  
     Climax community  
**Species Diversity**  
**Trophic Level**  
**Competition**  
     Dominance  
     Exclusion  
     Replacement  
**Ecosystem**  
     Ecosystem Complexity  
     Ecotone  
**Fire Ecology**  
     Fire Regime

**Fire Regime**  
**Food Web**  
**Food chain**  
**Habitat**  
**Microhabitat** *RT: Microclimate*  
**Kinship**  
**Nutrients**  
**Nutrient Exhaustion**  
**Nutrient Retention**  
**Population**  
**Deme**  
**Metapopulation**  
**Population Dynamics**  
**Population Changes**  
**Population Density**  
**Population Size**  
**Population Trends**  
**Recruitment**  
**Seasonal Abundance**  
**Population Structure**  
**Age Class Distribution**  
**Breeding Population**  
**Sex Ratio**  
*Operational Sex Ratio*  
**Primary Production**  
**Stock**

# ETHOLOGY. BEHAVIOUR. AUTECOLOGY

**Aestivation. Hibernation.**  
**Diapause. Torpor**  
**Denning**  
**Ageing. Senescence**  
**Agonistic Behaviour**  
**Animal Migration**  
**Animal Navigation**  
**Animal Orientation**  
**Diadromy**  
**Anadromy**  
**Catadromy**  
**Emigration**  
**Flyways**  
**Immigration**  
**Migration Corridors**  
**Migratory Paths**  
**Summering Grounds**  
**Wintering Grounds**  
**Avoidance Behaviour**  
**Burrowing**  
**Burrows**  
**Subnivean Burrowing**  
**Communication**  
**Acoustic Signals**  
**Calls**  
*Call Intensity*  
*Call Rate*  
**Language**

**Songs**  
**Vocalizations**  
**Chemical Signals**  
**Pheromones**  
**Electrical Signals**  
**Interspecific Communication**  
**Intraspecific Communication**  
**Ritual Behaviour**  
**Tactile Signals**  
**Visual Signals**  
**Cyclical Behaviour** *RT: Migration*  
**Annual Cycles**  
**Circadian Rhythms**  
**Diurnal Rhythms**  
**Nocturnal Rhythms**  
**Seasonal Cycles**  
**Tidal Rhythms**  
**Diet**  
**Appetite**  
**Drinking** (*SN: Consumption of liquids*)  
*RT: Waterhole*  
**Feeding Behaviours**  
**Foraging**  
**Food Preferences**  
**Food Capture**  
**Food Hoarding**  
**Food Robbing** *UF: Piracy*  
**Food Sharing** *RT: Altruism*  
**Scavenging**  
**Feeding Types**  
**Bacteriophagy**  
**Cannibalism**  
**Carnivory**  
**Coprophagy**  
**Fluid Feeding**  
**Fructivory**  
**Geophagy**  
**Graminivory**  
**Herbivory**  
*Browsers*  
*Grazer*  
**Lithophagy**  
**Necrophagy**  
**Nectivory**  
**Omnivory**  
**Particulate Feeding**  
*Deposit Feeding*  
*Filter Feeding*  
**Piscivory**  
**Saprophagy**  
**Xylophagy**  
**Nutrition**  
**Growth**  
**Individual dominance**  
**Intelligence**  
**Learning**  
**Life cycle**  
**Biphasic Life Cycle**

**Multivoltine**  
**Univoltine**  
**Longevity**  
**Mortality**  
**Movements** *RT: Locomotion*  
**Sessile**  
**Swimming**  
 Diving  
**Nitrogen fixation**  
**Photoperiodism**  
**Range**  
 Cosmopolitan Range

**Reproduction. Development**

**Developmental Stages** *RT: Reproductive System*  
 Adult Stage  
 Embryo  
 Fledgling  
 Foetus  
 Fry  
 Hatchling  
 Immature stages *UF: Juvenile Stages*  
 Larvae  
 Larval stage  
 Maturity. Maturation  
 Metamorphosis  
 Nestling  
 Nymph  
 Pupae  
 Smolt  
 Spat

**Fecundity**

**Fertility**

**Flowering**

**Fruiting**

**Gametes**

Gametogenesis

**Generations**

**Hermaphroditism**

**Meiosis**

**Mitosis**

**Nurture**

Nursing

**Progeny**

**Reproductive Behaviour**

Asexual reproduction

Budding

Parthenogenesis

Birth. Parturition

Ovipary

Ovovivipary

Vivipary

Breeding Season

Breeding Site

Breeding Habits

Brood Parasitism

Colonial Breeding

Cooperative Breeding

Egg Dumping

Monogamy

Nest Parasitism

Pair Formation

Polyandry

Polygyny

Promiscuity

Courtship

Egg Laying

Incubation

Mating

Nesting

Parenting

Sexual Display

Spawning

Spawn

Milt

**Reproductive Condition**

Pregnancy

Gestation

**Reproductive Productivity**

Breeding Success

Brood Sizes

Clutch Sizes

Embryo Number

Fledgling Success

Hatching Success

Litters

Weaning Success

**Sex**

**Sterility**

**Respiration**

**Shedding. Moulting**

**Sleep**

Roosting.

Resting

Bedding

**Social Behaviour**

Altruism

Group Behaviour

Flocking

Herding

Mobbing

Schooling

Swarming

Solitary Behaviour

Territoriality

Transpiration

Evapotranspiration

**EVOLUTION**

**GENETICS**

Base Pair

Chromosomes

Diploidy. Diploid

Genetic dominance

Gene

Allele

**Gene Pool**  
**Genetic Drift**  
**Genomes**  
**Haploidy.Haploid**  
**Heterozygosity**  
**Homozygosity**  
**Mutation**  
**Recombination**  
**Selection**  
**NATURAL SELECTION**  
**Adaptation**  
**Adaptive Fitness**  
**SPECIATION**  
**Adaptive Radiation**  
**Allopatry** *UF: Allopatric Speciation, Geographic Speciation*  
**Area-Species Curve**  
**Autochthon**  
**Character Displacement**  
**Colonization** *RT: Introduced Species*  
**Aeolian Migration** *UF: Windborne Migration*  
 Aeolian Plankton  
**Deposition**  
**Dispersal**  
**Drifting**  
**Establishment Ability**  
**Phoresy**  
**Powered Flight**  
**Rafting**  
**Swimming**  
**Dispersal**  
 Dispersal mechanisms  
**Dissemination ability**  
 Disseminule  
**Distribution**  
**Ecotype**  
**Endemism**  
**Endemic Species**  
 Endemic Animals  
 Endemic Plants  
**Extinction**  
 Background Extinction Rate  
 Mass extinction events  
 Ordovician Extinction  
 Devonian Extinction  
 Permian Extinction  
 Triassic Extinction  
 Cretaceous Extinction  
**Genotype**  
**Gradualism**  
**Phenotype**  
**Punctuated Equilibrium**  
**Species Equilibrium**  
**Sympatry**

**SYSTEMATICS. PHYLOGENETICS**  
**TAXONOMY**  
**Characters**  
 Character States  
**Cladistics**  
 Clade  
 Common Names *RT: Colloquial Names*  
 Monothetic  
**Nomenclature** *(SN: As a process)*  
 Available Name  
 Binomial system  
 Colloquial Name *RT: Common Name*  
 Common Name *RT: Colloquial Name*  
**Description**  
**Homonymy**  
 Junior Homonym  
 Primary Homonym  
 Secondary Homonym  
 Senior Homonym  
**Identification**  
**Invalid Name**  
**Misidentification**  
**Priority**  
**Redescription**  
**Revision**  
**Suppression**  
**Synonymy**  
 Junior Synonym  
 Objective Synonym  
 Senior Synonym  
 Subjective Synonym  
**Tautonymy**  
**Unavailable Name**  
**Valid Name**  
**Specimens**  
**Diagnosis**  
 Diagnostic Characters  
 Emended Diagnosis  
 Original Diagnosis  
**Fossil**  
**Monotypy**  
**Nominal Taxon**  
**Type Locality**  
**Type Specimens**  
 Allotypes  
 Cotypes  
 Holotypes  
 Lectotypes  
 Neotypes  
 Paratypes  
 Syntypes  
 Topotypes  
**Voucher Specimens**  
**Taxonomic Units** *(SN: Taxa are in hierarchic order)*  
 Phylum  
 Subphylum  
 Superclass  
 Class  
 Subclass  
 Infraclass

- Cohort
- Division
- Subdivision
- Section
- Subsection
- Superorder
- Order
- Suborder
- Infraorder
- Superfamily
- Family
- Subfamily
- Tribe
- Subtribe
- Genus
- Subgenus
- Species
- Subspecies
- Variety
- Combination
- Incertae Sedis
- Homology
- BIOLOGICAL METHODOLOGY**
- Anatomical Techniques
- Baselines
- Biochemical Techniques
- Biogeographic Analysis
  - Accuracy
  - Altitude
  - Aspect
  - Cartography
  - Coordinates
    - Coordinate Indexing
    - Latitude
    - Longitude
  - Depth
  - Geographic Information Systems
    - Digital Elevation Model
    - Digital Line Graph
    - Line
    - Point
    - Polygon
    - Raster
    - Vector
  - Precision
  - Resolution
  - Slope
- Biometrics
  - Measurement
    - Age Measurement
    - Size Measurement
    - Volume Measurement
    - Weight Measurement
  - Measurement Techniques
- Biophysical Techniques
- Captivity
- Captive Breeding
  - Captive Breeding Techniques
  - Captive Diet
  - Captive Housing
  - Captive Rearing
  - Captive Transport
  - Survival in Captivity
- Capture
  - Live Trapping
    - Funnel Trap
    - Pitfall Trap
- Sedation
  - Anaesthesia
  - Darting
  - Immobilization
  - Tranquilization
- Collection
  - Collecting Nets
    - Aerial Nets.Mist Nets
    - Insect Nets
    - Trawls
    - Water Nets
    - Plankton Tows
  - Drift Fences
  - Fogging
  - Gathering
  - Luring.Attraction
    - Acoustic Signals
    - Mechanical Signals
  - Scientific Trapping
  - Scientific Shooting
  - Specimen Preparation
- Cytological Techniques
- Dating
  - Carbon Dating
  - Core Dating
  - Tree Ring Dating
- Ecological Techniques
  - Ecological Modelling
  - Habitat Suitability Indexing
  - Population Density Measurement
  - Population Estimates
  - Population Mapping
  - Population Sampling
- Embryological Techniques
- Genetic Techniques
- Histological Techniques
- Inventory
  - AllTaxa Biotic Inventory
- Marking *RT: Capture ,Tracking*
  - Banding
  - Clipping
  - Dyeing
  - Mark-recapture Techniques
  - Tagging
- Microscopic Techniques

**Monitoring**

**Observational Techniques**

Line Transect

Pattern Mapping

Strip Transect

**Photographic Techniques**

**Physiological Techniques**

**Sampling**

Number Constrained Sampling

Random Sampling

Samples

Homogeneity of Samples

Relative Abundance

Species Richness

Species Evenness

Sequential Sampling

Time-constrained Sampling

**Seismography**

Mercalli Scale

Richter Scale

Seismograph

**Sound Recording**

Sound Prints

**Tracking** *RT: Capture, Marking, Collaring*

PIT Tag (*SN: Passive Integrated Transponder*)

Radar Tracking

Radio Tracking

Radioisotope Tracking

Sonar Tracking

Telemetry

Radiotelemetry

Track Plate

Visual Tracking

**Video Techniques**

**AGRICULTURE** (SN: Domestication of plants  
and animals) (OECD 07) (INF 17000) (UNBIS 04)  
(TFTE 04-1-14)

**AGROCHEMICALS**

**AGRICULTURAL ENTERPRISES**

Experimental Farms  
Family Farms  
Plantations  
Private Farms  
Small Farms

**AGRICULTURAL COOPERATIVES**

Latifundia  
Minifundia  
Rural Cooperatives  
State Farms. Communes

**AGRICULTURAL EQUIPMENT**

Agricultural Machinery  
Agricultural Mechanization  
Combines  
Ploughs  
Tractors

**AGRICULTURAL BUILDINGS**

Barns  
Corrals  
Paddocks  
Silos  
Stables

**AGRICULTURAL METHODS**

**Cultivation Systems**

Contour Farming  
Crop Diversification  
Crop requirements.  
Crop environmental requirements  
Growth cycle

**Crop Rotation**

Relay intercropping  
Sequential cropping  
Strip intercropping

**Cropping index**

**Cultivation techniques**

Cultivation factor

**Domain Farming**

**Dry Farming**

**Harvesting**

**Intensive Farming**

**Intercropping**

**Monoculture**

**Mountain Agriculture** UF: Hill Farming.

Mountain Farming

**Multiple Cropping**

**Organic Farming**

**Planting. Sowing**

**Shifting Cultivation**

**AGRICULTURAL STORAGE**

**AGROFORESTRY**

Forestry Equipment  
Forest Nurseries  
Silviculture

**ANIMAL DAMAGE**

Crop Damage  
Livestock Predation

**ANIMAL HUSBANDRY**

**APICULTURE. BEEKEEPING**

**AQUACULTURE. MARICULTURE**

Alligator Farming  
Aquaculturalists  
Crocodile Farming  
Fish Farming  
Frog Farming  
Turtle Farming

**BREEDING (GENETICS)**

Animal Genetics  
Biotechnology  
Biotechnologist  
Genetic Engineering

**Breeders**

**Livestock Breeding. Animal Breeding**

Plant Breeding  
Plant Genetics  
Plant Nutrition

**COMPOST AND NATURAL FERTILIZERS**

**CROPS**

**Animals. Fibres**

Silk

Wool

**Animal Products**

**Dairy Products**

Butter  
Cheeses  
Milk

Milk Powder

**Eggs**

**Honey**

**Meat**

Beef

Hamburger

Liver

Steak

Tongue

Veal

Mutton

Lamb

Lamb Chops

Pork

Bacon

Ham

Pork Chops

**Cereals. Grains**

Barley

Cereals

Maize UF: Corn, Zea mays

Millet

Oats

Quinoa

Rice

Rye

Sorghum

Triticale

Wheat

Fodder RT: Pasture

Grasses



**Grasses**

Hay  
Silage  
Stra

**Forestry Crops**

Ash Wood  
Balsam  
Bamboo  
Cedar Wood  
Cherry Wood  
Chesnut Wood  
Eucalyptus Wood  
Fir Wood  
Hickory Wood  
Ironwood  
Mahogany Wood  
Maple Wood  
Mesquite  
Oak Wood  
Palm  
Pine  
Redwood *UF: Sequoia*  
Teak Wood  
Tung Oil  
Turpentine  
Walnut

**Fruit Trees**

Apple Trees  
Apricot Trees  
Banana Trees  
Cherry Trees  
Coconut Palms  
Date Palms  
Lemon Trees  
Lime Trees  
Olive Trees  
Orange Trees  
Peach Trees  
Pear Trees  
Plum Trees

**Fruits**

Apples  
Apricots  
Bananas  
Canteloupe  
Cherries  
Coconuts  
Dates  
Grapes  
Lemons  
Limes  
Nectarines  
Olives  
Oranges  
Peaches  
Pears  
Pineapples  
Plums  
Tomatoes  
Watermelons

**Nuts**

**Almonds**

Brazil Nuts  
Chestnuts  
Groundnuts *UF: Peanuts*  
Hazelnuts  
Walnuts

**Oilseed Plants**

Rapeseed  
Safflower seed

**Vegetables**

Beans  
Brussels Sprouts  
Broccoli  
Carrots  
Cassavas  
Chard  
Chickpeas  
Cowpeas  
Eggplant  
Fava Beans  
Garlic  
Leeks  
Lentils  
Lettuce  
Mung Beans  
Onions  
Parsley  
Pigeon Peas  
Rapeseed  
Soybeans  
Spinach  
Squashes  
Sugar Cane

**Root Crops *UF: Tubers***

Potatoes  
Sugar Beets  
Sweet Potatoes  
Taro  
Yams

**Plant Fibres**

Abaca  
Bagasse (*SN: Fibrous residue from the extraction of juice from sugar cane*)

Coir  
Cotton  
Flax  
Hemp  
Jute  
Kenaf  
Sisal

**Cash Crops.Export Crops**

Arrowroot  
Cocoa  
Cocaine  
Coffee  
Cork  
Herbs  
Hops  
Maple Syrup  
Marijuana

**Rubber**  
**Spices**  
     Basil  
     Bay  
     Black Pepper  
     Cayenne Pepper  
     Cilantro  
     Nutmeg  
     Oregano  
     Rosemary  
     Sage  
     Turmeric  
**Tapioca** *UF: Cassava Starch*  
**Tea**  
**Tobacco**  
**Domestic Animals.Livestock**  
     Camels  
     Cats  
     Cattle  
         Bulls  
         Calves  
         Cows  
             *Dairy Cows*  
         Steers  
     Dogs  
     Donkeys  
     Elephants  
     Goats  
     Guinea Pigs  
     Horses  
     Llamas  
     Mules  
     Oxen  
     Poultry  
         Chickens  
         Ducks  
         Geese  
     Rabbits  
     Reindeer  
     Sheep  
         Ewes  
         Lambs  
         Rams  
     Swine.Pigs.Hogs  
         Boars  
         Sows  
         Piglets  
     Water Buffaloes  
     Yaks  
**Floriculture**  
**Farming**  
     Farmers  
         Collective Farmers  
         Commercial Farmers  
         Contract Farmers.Sharecroppers  
         Cooperative Farmers  
         Subsistence Farmers

**Farming systems**  
     Agrobusiness.Corporate Farming  
     Collective Farming  
     Commercial Farming  
     Contract Farming.Sharecropping  
     Cooperative Farming  
     Subsistence Farming  
**Horticulture**  
**Hydroponics**  
**Insect Farming** *RT:Sericulture;Apiculture*  
     Butterfly Farming  
**Pastoralism.Ranching** *RT: Fodder*  
     Flocks  
     Kraals  
     Open range  
     Pasture  
     Ranchers  
     Ranches  
     Sheep dogs.Cattle dogs.Guard dogs  
     Shepherds  
**Pest Management**  
     Integrated pest management. Repellants  
**Predator Control**  
**Poultry Farming.Aviculture**  
**Sericulture**  
**Vermiculture**  
**Viticulture**  
**Weed Control**

## CONSUMPTION *(OECD 09.01.03)*

*(INF 16408) (UNBIS 02.01.00) (TFTE 10-8,10-9)*

**CONSUMER COOPERATIVES**  
**CONSUMER EDUCATION**  
**CONSUMER GOODS**  
**CONSUMER PROTECTION**  
     Product Safety  
     Truth-in-Labeling

**CONSUMERS**  
**CONSUMPTION TAX**  
**DOMESTIC CONSUMPTION**  
**ENERGY CONSUMPTION**  
**FOOD CONSUMPTION**  
**HOUSEHOLD CONSUMPTION**  
**PER CAPITA CONSUMPTION**  
**PERSONAL CONSUMPTION**  
**PRIVATE CONSUMPTION**  
**PUBLIC CONSUMPTION**  
**RATIONING**  
**WATER CONSUMPTION**

## ENERGY *(OECD 08.11)(INF 20000) (UNBIS 03.10.00)* *(TFTE 11)*

**NON-RENEWABLE ENERGY SOURCES**  
**RENEWABLE ENERGY SOURCES.**  
**ENERGY TYPES**

Draught Animals  
Electricity  
Fire  
Geothermal Energy  
Human Energy  
Hydro  
Nuclear Energy  
Nuclear Fission  
Nuclear Fusion  
Solar  
Tide  
Wave  
Wind

**FUELS**

Biogas  
Methane  
Fossil Fuels  
Coal  
Diesel  
Gasoline  
Natural Gas  
Oil  
Crude Oil  
Fuelwood  
Charcoal

Non-renewable fuels

Peat

Uranium

Waste Fuels

**ELECTRICAL GENERATION**

Hydroelectricity

Power Station

Cohousing. Cooperative housing  
Duplexes. Fourplexes  
Houses

Igloos

Longhouses

Military Structures

Barracks

Forts

Stockades

Monuments

Office Buildings

Religious Structures

Churches

Chapels

Kivas

Mosques

Pagodas

Reliquaries

Shrines

Stupas

Sweat Lodges

Synagogues

Temples

Sheds. Storage buildings

Skyscrapers. High-rise buildings

Stadiums. Amphitheaters

**URBAN DESIGN**

**URBAN PLANNING** *UF: City Planning*

**HOUSING. HUMAN SETTLEMENTS**

*(OECD 14.04) (INF 16000) (UNBIS 09) (TFTE 24-7)*

**ARCHITECTURE**

**ARCHITECTURAL AGENTS**

Builders. Contractors

Architects

Carpenters

Designers

Landscapers

Land Use Planners

Mason

Plumbers

**BUILDING. CONSTRUCTION**

**BUILDING MATERIALS**

Bamboo

Brick

Ice

Mud. Adobe

Stone

Thatch

Wattle and Daub

Wood. Lumber. Logs. Poles

**STRUCTURES. BUILDINGS**

Apartment Buildings

**NATURAL RESOURCE USE**

*(OECD 16.02) (INF 11148) (UNBIS 03.02) (TFTE 3-39)*

**COLLECTING**

Collectors

Private collecting

Commercial collecting

**FISHING** *(SN: Fish, Invertebrates, Reptiles and*

*Amphibians) (UNBIS: 04.04) (TFTE 04-1-22)*

Bait

Baitfish

Chumming

Commercial Fishing

Catch-Per-Unit-Effort

Driftnetting

Factory Boats

Gillnetting

Longlining

Seining

Purse Seining

Trawling.

Fishermen

**Fisheries**  
**Ground Fishery.**Demersal  
**Fishery**  
**Shellfishery**  
 Clam Fishery  
 Crab Fishery  
 Oyster Fishery  
 Scallop Fishery  
 Shrimp Fishery  
**Turtle Fishery**  
**Fishery Cooperatives**  
**Fishery Management**  
**Fishery Planning**  
**Fishery Policy**  
**Fishing Equipment**  
 Crab pots  
 Fishtraps  
 Lobster traps  
**Nets**  
 Cast Nets  
 Dip nets  
 Drift Nets  
 Gill Nets  
 Seines  
 Trawls  
**Weirs**  
**Fishing Grounds**  
**Fishing Ports**  
**Fishing Rights**  
 Aboriginal Fishing Rights  
 Territorial Fishing Rights  
**Fishing Vessels**  
**Subsistence Fishing**  
 Castnetting  
**GATHERING** *UF: Foraging*  
**Bark**  
 Tanin  
**Gatherers**  
**Lopping**  
**Precious Corals**  
**Salt** *RT: Desalinization*  
**Tapping**  
**Wild Fruits**  
**Wild Fungi** *UF: Wild Mushrooms*  
**Wild Nuts**  
**Wild Tubers** *UF: Wild Roots*  
**HUNTING** *(TFTE 19-20)*  
**Hunters**  
**Subsistence hunting**  
 Bushmeat  
**Commercial hunting**  
**Game animals**

**LOGGING. TREE FELLING** *RT:*  
*Deforestation (UNBIS 04.05) (TFTE 04-1-3)*  
**Loggers** *(UF: Lumberjacks)*  
**Logging Equipment**  
 Axes  
 Bulldozers  
 Chainsaws  
 Saws  
**Logging Methods**  
 Clearcutting  
 Patch Cutting  
 Selective Cutting  
 Strip cutting  
 Logs  
 Timber  
**MINING** *UNBIS 05.03) (TFTE 04-1-7)*  
**Miners**  
**Ore**  
**Mining Methods**  
 Sea Bed Mining  
 Subsurface Mining  
 Mine Shafts  
 Surface Mining  
 Hydraulic Mining  
 Pit Mining  
 Strip Mining  
**Drilling**  
 Offshore Drilling  
*Drilling Platforms*  
 Oil Rigs  
 Oil Wells  
**OPEN ACCESS RESOURCES**  
**NON-RENEWABLE NATURAL RESOURCES**  
**PROSPECTING**  
 Gems  
 Minerals  
 Pharmaceuticals  
 Precious Stones  
 Prospectors  
**QUARRYING**  
 Stonemasonry  
**SEALING** *(UNBIS 04.04)*  
 Sealers  
**TRAPPING** *(TFTE 22-127)*  
 Trappers  
**Fur Trapping**  
 Furs  
 Pelts  
**Subsistence Trapping**  
**Commercial Trapping**  
**Traps**  
 Humane Traps  
 Leghold Traps  
 Live Traps  
**WHALING** *(UNBIS 04.04) (TFTE 04-1-22-4)*  
 Whalers

**HUMAN POPULATION** (OECD14)

(INF 16428) (UNBIS 08) (TFTE 06-4-15\24-3)

**AGE GROUPS**

Adolescents

Adults

Aged

Children

Dependency ratio

Infants

Youth *UF: Adolescence*

**CELIBACY**

**CENSUSES**

**FAMILY**

Dependants

Family Disintegration

Family Size

Parents

Fathers

Mothers

Family structure

Nuclear

Extended

**FERTILITY**

Abortion

Birth

Birth Control

Birth Rate

Crude Birth Rate

Contraception

Contraceptive Methods

Contraceptives

*Chemical Contraceptives*

*Condoms*

*Intrauterine Devices*

*Oral Contraceptives*

Rhythm Method

Family Planning

Fertility Rate

Sterilization

Vasectomy

**HUMAN MORTALITY**

Child Mortality

Death Rate

Infant Mortality

Life Expectancy

Maternal Mortality

Mortality Decline

**HUMAN POPULATION DENSITY**

**HUMAN POPULATION DYNAMICS**

**HUMAN POPULATION GROWTH**

**MARRIAGE**

Divorce

Marital Status

**POPULATION SIZE**

**PUBLIC HEALTH** (OECD 15.04)

(INF 16450) (UNBIS 10) (TFTE 17)

**DISEASES. PLAGUES. EPIDEMICS**

Epidemiology

Vectors

**FAMINE. STARVATION**

**HEALTH CARE**

Health care administration

Health care delivery

Health care planning

Health centres

Health counseling

Health education

Health facilities

Health hazards

Health officers

Health planning

Health policy

Health workers

Barefoot Doctors

Doctors

Health care teams

Nurses

Paramedics

Village Health Workers

Health reformers

Health risk assessment

Health services

Health services administration

Health services areas

Health status indicators

**HEALTH SURVEYS**

**MALNUTRITION**

**PEST CONTROL**

Mosquito Abatement

**RECREATION. LEISURE**

(OECD 13.08) (INF 16454) (UNBIS 15.06.00)

(TFTE 24-14-1)

**ARCHERY**

**BIRD WATCHING**

**BOATING**

Marinas

Moorings

Power Boating. Jet skis

Sailing

Waterskiing

**BOTANIZING**

**CAMPING**

Backpacking

Car camping

Wilderness camping

**CAVING** *UF: Speleunking*

**CLIMBING**

Mountain climbing

Mountain guides

Mountaineering

Rock Climbing

- FALCONRY**
- HIKING. TREKKING**
  - Off-Road-Vehicles *UF:ORV*
  - Fourwheel Drive Vehicles
  - Motorcycles.Motorbikes
  - Snowmobiles *(SN: Includes subnivian damage)*
- ORIENTEERING**
- SCUBA DIVING** *UF:Skin diving*
- SNORKELING**
- SHOOTING**
- SKIING**
  - Artificial Snow
  - Snow Machines
  - Cross Country Skiing
  - Ski Jumps
  - Ski Lifts
  - Ski Runs
  - Ski Trails
- SLEDDING. TOBOGGANING**
- SNOW BOARDING**
- SNOW MOBILING**
- SPORT FISHING**
  - Sport Fish.Game fish
  - Spearguns.Spearfishing
- SPORT HUNTING**
  - Big Game Hunting
  - Bow Hunting
  - Hunting dogs
- TOURISM**
  - Ecotourism
- WILDLIFE PHOTOGRAPHY**
- TRANSPORT** *(SN: Includes engineering aspects)*
  - (OECD 10) (INF 19000, 16380) (UNBIS 06) (TFTE 04-1-12-21,29)*
  - ACQUEDUCTS**
  - AIRPORTS**
  - FLIGHT PATHS**
  - BRIDGES**
  - CAUSEWAYS**
  - BUOYS**
  - CHANNEL MARKERS**
  - CONTAINER FACILITIES**
    - Container Terminals
  - FREIGHT**
  - INLAND WATERWAY**
    - Canals
    - Locks
  - LIGHTHOUSES**
  - LOADING. PACKAGING**
    - Bags
    - Boxes
    - Cargo
    - Containers
    - Handling
  - Labelling
  - Loading
  - Packaging
  - NAVIGATION**
  - PARKING**
    - Parking Lots
    - Parking Structures
  - PIPELINES**
  - PORTS**
    - Channels
    - Harbors(Dredging)
    - Jetties.Piers
    - Moorings
    - Deepwater Anchorage
  - POWER CORRIDORS** *(SN: Electrical Transmission)*
  - RAPID TRANSIT**
  - RAILWAYS**
    - Railway Networks
    - Underground Railways.Subways
    - Railroad Rights-of-Way
  - ROADS**
  - TRAFFIC**
    - Air Traffic
    - Maritime Traffic
    - Railway Traffic
    - Road Traffic
    - Transport Engineers
    - Transport Planners
  - TUNNELS**
  - VEHICLES:**
    - Airplanes
    - Bicycles
    - Carts
    - Helicopters
    - Mass Transit
      - Buses
      - Cable Cars
      - Ferries
      - Hovercraft
      - Hydrofoils
      - Lightrail Transit
      - Monorails
      - Trains
      - Trolleys
    - Motor Vehicles
      - Automobiles *UF: Motor Cars*
      - Motorcycles *UF: Motorbikes.Motor Scooters.Mopeds*
      - Taxis
      - Trucks *UF: Lorries*
    - Pedicabs
    - Vessels *(RT: Ferries)*
      - Cargo Ships *UF: Freighters*
      - Passenger Vessels
      - Tankers
      - Supertankers
    - Wagons

## WAR.HUMAN-CAUSED

### DISASTERS *(SN: Includes inadvertent, accidental, illicit*

*or exceptional (single) events) (UF: Man-made Disasters)*

*(OECD 01.02.07, OECD 16.03.02) (INF 26220)*

*(UNBIS 01.04) (TFTE 28)*

### ACCIDENTS. SPILLS. RELEASES

**Nuclear Accidents** *(SN: Includes both reactor accidents and accidents involving nuclear tests)*

**Oil Leaks**

**Oil spills**

### ARSON

### ENVIRONMENTAL WARFARE

**Draining**

**Flooding**

### MIGRATIONS

### SABOTAGE

### TERRORISM

**Environmental Terrorism**

### WEAPONS

**Anti-personnel Weapons**

**Landmines**

**Artillery. Ordnance**

**Nuclear Shells**

**Biological Agents**

**Bombs**

**Napalm**

**Chemical Agents**

**Herbicides**

**Poison Gases**

**Grenades**

**Guns. Firearms**

**Naval Mines**

**Tests**

**Bombing Ranges**

**Firing Ranges**

**Nuclear Tests**

*Atmospheric Nuclear Tests UF: Aboveground Tests*

*Underground Nuclear Tests*

### WARFARE

**Armed Forces**

**Air Force**

**Armed Forces Personnel**

**Enlisted Men**

**Officers**

**Army**

**Marines**

**Navy**

**Armistices**

**Ceasefires**

**Civil War**

**Guerrillas**

**Mercenaries**

**Military Bases**

**Non-combatants. Civilians**

**Refugees. Displaced peoples**

**Strategy**

**Tactics**

**Tribal warfare**

**Veterans**

## WASTE MANAGEMENT

*(SN: Includes Agricultural and industrial wastes.*

*Includes pollution) (OECD 16.04.02) (INF 22400)*

*(UNBIS: 05.10) (TFTE 02)*

### AEROBIC PROCESSES

### AGRICULTURAL WASTES

*(OECD 07.05.05) (INF 22104) (UNBIS 04.01.01)*

**Composts**

**Crop Wastes**

**Farmyard Wastes**

**Slaughterhouse Wastes**

### ANAEROBIC PROCESSES

### BILGE. BALLAST

### DETRITUS

### EFFLUENT/ SEWAGE

### EXHAUST

### FLOTSAM/ JETSAM

### GARBAGE

### HAZARDOUS WASTES

**Chemical Wastes**

**Heavy Metals**

**Radioactive Waste**

**Septic Waste**

**Toxic Wastes**

### INCINERATION

### MINE TAILINGS

### OCEAN DUMPING

**POLLUTION** *(OECD 16.03.04) (INF 22000)*

*(UNBIS 03.04)*

**Inorganic Pollution. Chemical Pollution**

**Non-point Source Pollution**

**Organic Pollution**

**Point Source Pollution**

**Outfalls**

### RECYCLING

**Recycled Materials**

### SANITATION

**Sanitary Facilities**

**Sanitary Landfills**

**Sanitation Services**

### SEWAGE TREATMENT

**Sewage Treatment Facilities**

**Sewage Treatment Systems**

**SLAG**  
**SMOKE**  
**SMOKESTACKS**  
**SOLID WASTE. REFUSE**  
**TOILETS** *UF: Latrines*  
**WASTE DISPOSAL SITES**  
**WASTE TREATMENT**  
**WASTE UTILIZATION**  
**WASTEWATER**  
    **Wastewater Treatment**  
        **Primary Treatment**  
        **Secondary Treatment**

**WATER MANAGEMENT** *(SN: For consumption and for "flood control") (OECD 17.05.05) (UNBIS 03.05) (TFTE 30)*

**BARRAGES**  
**CHANNELIZATION**  
**DESALINATION**  
**EXCAVATIONS**  
**FLOOD CONTROL**  
**GROUNDWATER BUDGET**  
**IRRIGATION**  
    **Irrigation Canals**  
    **Trickle Irrigation**  
**LEVIES. DIKES**  
**RUNOFF**  
**SEA WALLS**  
**WATER CONSUMPTION**  
**WATER DISTRIBUTION**  
**WATER LAW**  
    **Water Quality**  
    **Water Quality Standards**  
**WATER STORAGE**  
    **Cisterns**  
    **Dams**  
    **Impoundments**  
    **Reservoirs**  
**WATER SUPPLY**  
**WELLS**  
    **Tube Wells**



### III. INDIRECT HUMAN IMPACTS ON NATURE

(NOTE: In this section, efforts have not been made to replicate what is adequately treated by other thesauri.)

#### COMMERCE. TRADE (OECD 09) (INF 26236) (UNBIS 07) (TFTE 04-1,010-14))

##### BALANCE OF PAYMENTS

##### BARTER

##### BOYCOTT

##### COMMERCIAL BANKS

##### COMMERCIAL CREDIT

##### COMMODITY AGREEMENTS

##### CONTRABAND

##### CUSTOMS

##### DEMAND

##### DISTRIBUTION

##### Distribution Costs

##### DUMPING

##### ECONOMIC COMPETITION

##### ECONOMIC SANCTIONS

##### EMBARGO

##### EXPORTS

##### FOREIGN TRADE

##### FREE TRADE

##### FUR TRADE

##### IMPORTS

##### INTERNATIONAL TRADE

##### MARKET COMPETITION

##### MARKETS

##### MOST FAVOURED NATION

##### PRICES

##### Commodity Prices

##### Consumer Price Index

##### Export Prices

##### Import Prices

##### Price Controls

##### Price Supports

##### Retail Prices

##### Wholesale Prices

##### STOCKS OF GOODS

##### Inventories

##### Warehouses

##### SKIN TRADE

##### SUPPLY

##### TARIFFS

##### Tariff Agreements

##### Tariff Negotiations

##### Tariff Policy

##### Tariff Reductions

##### TRADE BARRIERS

##### TRADE IN ANIMAL PARTS

##### TRADE IN LIVE ANIMALS

##### WHOLESALE TRADE

#### CULTURE. HUMANITIES

(OECD 05.02, 05.04, 05.05, 05.06) (UNBIS 15)  
(TFTE 09)

##### FINE ARTS

##### LANGUAGES

##### LITERATURE

##### Poetry

##### MUSIC

##### MYTHOLOGY. FOLK LITERATURE

##### PHILOSOPHY

##### Ethics

##### RELIGION

#### ECONOMICS. ECONOMIC THEORY. ECONOMIC POLICY

(OECD 02, OECD 03) (INF 15200)  
(UNBIS 02.01) (TFTE 10)

##### ECONOMIC COOPERATION

##### ECONOMIC INDICATORS

##### ECONOMIC POLICY (RT: Monetary Policy)

##### Budgetary Policy

##### Credit Policy

##### Fiscal Policy

##### Incomes Policy

##### Investment Policy

##### Trade Policy

##### Wage Policy

##### ECONOMIC PROJECTIONS

##### ECONOMIC RESEARCH

##### Economic Analysis

##### Cost-Benefit Analysis

##### Econometric Models

##### Economic Surveys

##### ECONOMIC SECURITY

##### Guaranteed Annual Income

##### ECONOMIC TRENDS

##### ECONOMIC UNIONS

##### ECONOMIC ZONING

##### ECONOMICS

##### Agricultural Economics

##### Economic Geography

##### Land Economics

##### Macroeconomics

##### Microeconomics

##### Transport Economics

##### Welfare Economics

##### TAXATION

##### Business Tax

##### Capital Gains Tax

##### Consumption Tax

##### Corporation Tax

##### Income Tax

##### Municipal Income Tax

##### Inheritance Tax

Depreciation Allowances  
 Double Taxation  
 Excess profits Tax  
 Expenditure Tax  
 Income Tax  
 Indirect Taxation  
 Investment Tax Credit  
 Land Tax  
 Payroll Tax  
 Progressive Taxation  
 Property Tax  
 Real Property Tax  
 Registration Tax  
 Sales Tax  
 Single Tax  
 Social Security Taxes  
 Tax Accounting  
 Tax Administration  
 Tax Auditing  
 Tax Avoidance *RT: Tax Evasion*  
 Tax Collection  
 Tax Evasion *RT: Tax Avoidance*  
 Tax Exemption  
 Tax Havens  
 Tax Incentives  
 Tax Law  
 Tax Reform  
 Tax Research  
 Tax Returns  
 Tax Revenues  
 Tax Systems  
 Tax Treaties  
 Value Added Tax  
 Withholding Tax

## **EDUCATION. TRAINING. AWARENESS**

*(OECD 06) (UNBIS 11) (TFTE 09)*

**ADULT EDUCATION**

**BASIC EDUCATION**

Literacy

Literacy Programmes

**DISTANCE LEARNING**

**EDUCATIONAL ADMINISTRATION**

**EDUCATIONAL ASSISTANCE**

**EDUCATIONAL FORECASTING**

**EDUCATIONAL PHILOSOPHY**

**EDUCATIONAL PLANNING**

**EDUCATIONAL PSYCHOLOGY**

**EDUCATIONAL POLICY**

**EDUCATIONAL REFORM**

**EDUCATIONAL RESEARCH**

Educational Surveys

**EDUCATIONAL TECHNOLOGY**  
**HIGHER EDUCATION**  
**INFORMAL EDUCATION**  
**PRIMARY EDUCATION**  
**PROFESSIONAL EDUCATION**  
**SCIENCE EDUCATION**  
**SECONDARY EDUCATION**  
**SPECIAL EDUCATION**  
**TEACHING**  
**TECHNICAL EDUCATION**  
**VOCATIONAL EDUCATION**  
 Agricultutal Education

## **FINANCE. BANKING**

*(OECD 11) (UNBIS 02.06, 02.11, 02.12) (TFTE 10)*

**DEBT**

**CIRCULAR VELOCITY OF MONEY**

**CURRENCY DEVALUATION**

**CURRENCY TYPES**

**MONETARY ANALYSIS**

**MONETARY EXCHANGE RATES**

**MONETARY POLICY**

**MONETARY UNIONS**

**MONEY**

Money Supply

**INDEBTEDNESS**

**INTEREST RATES**

**INTERNATIONAL MONETARY SYSTEM**

**QUANTITATIVE THEORY OF MONEY**

**STRUCTURAL ADJUSTMENT**

## **INDUSTRY**

*(SN: Production of Artifacts/Commodities) (OECD 08)*

*(INF 18000) (UNBIS 05) (TFTE 04-1-12)*

**HEAVY INDUSTRY**

Aerospace Industry

Aircraft Industry

Arms Industry

Chemical Industry

Consturction Industry

Glass Industry

Machine Tool Industry

Machinery Industry

Metallurgical Industry

Metalworking Industry

Mineral Industry

Natural Gas Industry

Petroleum Industry

Power Industry

Rubber Industry

Scrap Metal Industry

Uranium Industry

**LIGHT INDUSTRY**

Clothing Industry  
Electrical Industry  
Electronics Industry  
Food Industry  
Leather Industry  
Pulp and Paper Industry  
Textile Industry  
Tobacco Industry  
Woodworking Industry

**SERVICE INDUSTRIES**

Banking Industry  
Catering Industry  
Communications Industry  
Printing Industry  
Publishing Industry  
Radio Industry  
Television Industry

Hotel Industry

Retail Industry

Tourism

Travel Industry

**SMALL SCALE INDUSTRY**

Cottage Industries

**INFORMATION** (OECD 19) (INF 27160,27170)  
(UNBIS 15.04, 15.05) (TFTE 09)

**BROADCASTING**

Public Broadcasting

**COMMUNICATIONS** (UF: Public Information;

UF: Public Relations)

**COMMUNICATIONS PROTOCOLS**

**COMPUTER NETWORKS**

Backbone Networks

Cables

Distributed Networks

Gateways

Internet

World Wide Web (WWW)

Local Area Networks UF: LANs

Proprietary Networks

Repeaters

Routers

Wide Area Networks UF: WANs

**COMPUTERS**

**FAX** UF: Facsimile Transmission

**HARDWARE**

**INFORMATION FORMATS**

Audio Tapes

CD-ROMs

Disks

Films

**Electronic Files**

Laser Disks

Manuscripts

Microforms

Microcards

Microfiche

Microfilm

Photographs

Print Publications

Publication Types

Abstracts

Annual Reports

Atlases

Bibliographies

Catalogues

Check-lists

Clippings

Dictionaries

Directories

Discographies

Faunas

Field Guides

Floras

Glossaries

Indexes

Laboratory Manuals

Leaflets

Monographs

Newsletters

Newspapers

Nomenclators

Obituaries

Pamphlets

Project Reports

Serials

Journals, Magazines

Textbooks

Thesauri

**Videos**

**INFORMATION MANAGEMENT**

**INFORMATION POLICY**

**PHOTOCOPYING**

**RADIO**

**SOFTWARE**

**TELECOMMUNICATIONS**

Packet Radio

Packet Switching

Telephones

X.25

X.400

**TELEVISION**

**LAW/POLICY** (OECD 04.01,04.03) (INF 15200, 26116)  
(UNBIS 01.07,02.04,02.05) (TFTE 05,15)

**CONVENTIONS**

**CUSTOMARY LAW**

**DECLARATIONS**

**ENABLING LEGISLATION**

**EQUITY**  
**EXCLUSIVE ECONOMIC ZONE**  
**EXPROPRIATION**  
**INTERNATIONAL LAW**  
**JUDICIARY**  
    **Courts**  
**LAW OF THE SEA**  
**LAWS**  
    **Enabling Legislation**  
**LIABILITY**  
**NOTIFICATION**  
**PERMISSION**  
**PROTOCOLS**  
**REGULATORY PROCESSES**  
**REMEDIES**  
    **Administrative Remedies**  
    **Judicial Remedies**  
**SANCTIONS**  
**SEA BED**  
**SOCIALISM**  
**SOVEREIGNTY**  
**SPACE LAW**  
**TERRITORIAL CLAIMS**  
**TERRITORIAL JURISDICTION**  
    **Territorial Waters**  
    **Internal Waters**  
**TREATIES**

## **LABOUR.EMPLOYMENT**

(OECD 13) (UNBIS 12) (TFTE 10-2, 24-2-3)

### **CONDITIONS OF EMPLOYMENT**

**Assembly-line Work**  
**Career Development**  
**Contract Labour**  
**Division of Labour**  
**Employee Morale**  
**Employment Security**  
**Equal Pay**  
**Ergonomics**  
**Flex-time**  
**Fringe Benefits**  
**Hours of Work**  
**Job Satisfaction**  
**Leave.Holidays**  
    **Leave without Pay**  
    **Paid Leave**  
    **Sick Leave**  
**Profit Sharing**  
**Promotion**  
**Resignation**  
**Retirement**  
**Salaries**  
**Wage Incentives**  
**Wages**

## **Working Conditions**

### **Occupational Health**

**Paternity Leave**

**Maternity Leave**

### **Occupational Safety**

**Helmets**

**Industrial Accidents**

**Safety Devices**

### **Overtime**

## **EMPLOYMENT**

**Employment Policy**

**Employment Services**

**Employment Statistics**

**Full Employment**

**Labour Statistics**

**Manpower Planning**

**Occupations**

**Occupational Choice**

**Occupational Mobility**

**Part Time Employment**

**Productive Life Span**

**Recruitment**

**Seasonal Employment**

**Slave Labour.Convict Labour**

**Strikes**

**Unemployment**

**Wage Surveys**

## **LABOUR RELATIONS**

**Arbitration**

**Collective Agreements**

**Collective Bargaining**

**Dismissal**

**Employees**

**Employers**

**Grievance Procedures**

**Labour Disputes**

**Lock-out**

**Mediation**

**Strikes**

**Trade Unions**

**Workers Control**

## **SKILLS DEVELOPMENT**

**Job Classifications**

**Job Descriptions**

**Job Evaluation**

**Retraining**

**Vocational Guidance**

**Vocational Rehabilitation**

**Vocational Training**

## **ORGANIZATION.MANAGEMENT**

(OECD 12.04)(UNBIS 05.02) (TFTE 05)

## **ACCOUNTING**

## **AUDITING**

**DECISION-MAKING**  
**DEPRECIATION**  
**EFFICIENCY**  
**ENTREPRENEURSHIP**  
**FINANCIAL STATEMENTS**  
**INTERVIEWIN**  
**INVENTORIES**  
**MANAGEMENT CONSULTANTS**  
**MANAGEMENT CONSULTING**  
**MANAGEMENT INFORMATION**  
     **SYSTEMS** *UF: MIS*  
**OFFICE MANAGEMENT**  
**OPERATIONS RESEARCH**  
**ORGANIZATIONAL STRUCTURE**  
**PERSONNEL MANAGEMENT**  
     **Performance**  
         **Performance Appraisal**  
         **Performance Standards**  
     **Personnel Records**  
     **Supervision**  
**RISK ASSESSMENT**

## **POLITICS. POLITICAL THEORY**

*(OECD 04.04) (UNBIS 01) (TFTE 05-8)*

**ARISTOCRACY**  
**ASSASSINATION**  
**AUTHORITARIANISM**  
     **Dictatorship**  
**CITIZENS**  
**CITIZENSHIP**  
**CIVIL DISOBEDIENCE**  
**CIVIL WAR**  
**COMMUNISM**  
**COMMUNITY LEADERSHIP**  
**COMMUNITY ORGANIZATION**  
**COUP D'ETAT**  
**CORRUPTION**  
     **Bribery**  
     **Nepotism**  
**DEMOCRACY**  
**ELECTIONS**  
**ESPIONAGE**  
**FACISM**  
**FEUDALISM**  
**HEADS OF STATE**  
     **Presidents**  
     **Prime Ministers**  
**IDEOLOGY**  
**INTERNATIONAL RELATIONS**  
     **Asylum**  
     **Balance of Power**  
     **Detente**  
     **Diplomacy**  
         **Consulates**  
         **Diplomatic Community**

**Diplomats**  
     **Ambassadors**  
     **Consuls**  
     **Embassies**  
     **Protocol**  
**Hegemony**  
**International Organizations**  
**Nongovernmental Organizations**  
     **Regional Organizations**  
**LEGISLATIVE BODIES**  
     **Legislative Hearings**  
     **Legislators**  
**LOCAL GOVERNMENT**  
**MONARCHY**  
**NONVIOLENCE**  
**PATRIOTISM**  
**PEASANT MOVEMENTS**  
**PETITIONS**  
**PLEBISCITES**  
**PLUTOCRACY**  
**POLITICAL CRIMES**  
**POLITICAL PARTIES**  
**POLITICAL PRISONERS**  
**POLITICAL THEORY**  
**RECALLS**  
**REFERENDUMS**  
**SEDITION**  
**SOCIALISM**  
**THEOCRACY**  
**TREASON**  
**VOTERS**

## **SOCIAL CONDITIONS. SOCIAL POLICY. SOCIAL SCIENCES**

*(RT: Population RT: Malnutrition)*

*(OECD 05.03, OECD 04.02) (INF 16400)*

*(UNBIS 14) (TFTE 24)*

**ABUSIVE BEHAVIOURS**  
     **Child Abuse**  
     **Spousal Abuse**  
**ADDICTIONS**  
     **Addictive Drugs**  
         **Alcohol**  
         **Cocaine**  
         **Crack**  
         **Hashish**  
         **Heroin**  
         **Marijuana**  
         **Opium**  
             **Opium Derivatives**  
         **Nicotine**  
     **Alcoholism**  
     **Cigarette Smoking**

**ANIMAL RIGHTS**

**Anti-vivisectionism**

**ANTHROPOCENTRICITY**

**ANTI-ENVIRONMENTALISM**

**CRIME**

**Extortion**

**Organized Crime**

**Rape**

**Robbery**

**Theft**

**Violent Crime**

**White Collar Crime**

**DISEQUITY**

**ETHNOCENTRISM**

**GREED**

**ILLITERACY** *RT: Literacy*

**INTOLERANCE**

**MISOGYNY**

**OUTLAWS. BANDITS**

**POVERTY**

**PROSTITUTION**

**RACISM**

**SLAVERY**

**TRIBALISM**

**UNEMPLOYMENT**

**VIOLENCE**

**WOMEN'S STATUS**

**XENOPHOBIA**

## ORGANISMIC IMPACTS

(SN: Direct impacts on individuals organisms or populations)

### EXPLOITATION (SN: Nonsustainable use)

#### Illegal exploitation

Poaching  
Overbrowsing  
Overcollecting  
Overcutting  
Overfishing  
Overgrazing  
Overharvesting  
Overhunting

### GENETIC EFFECTS (SN: Direct effects on genetic viability of populations or species)

Genetic Viability  
Minimum Viable Population  
Inbreeding UF: Ingrowth

### INCIDENTAL INJURY

By-catch (SN: Trawling, etc.) UF: Incidental Take  
Boating Collisions  
Ghost Fishing  
Roadkill  
Stress RT: Sublethal Effects

### INTENDED EFFECTS RT: Pest Control, Weed Control

Extirpation  
Aerial Shooting  
Antifouling  
Biological Controls  
Chemical Controls  
Herbicides RT: Weed Control  
Algicides  
Fungicides  
Herbicide Toxicity  
Weed Control  
Pesticides  
Fumigation  
Pesticide Metabolism  
Pesticide Persistence  
Pesticide Pathways  
Pesticide Toxicity  
Pesticide Types  
Cutting .Clearing  
Muro Ami (SN: Intentional damage to coral to flush fish)  
Predator Control  
Poisons  
Arsenic  
Cyanide  
Compound 1080 UF: Sodium Monofluoroacetate  
Strychnine  
Thallium Sulfate

### Poisoning Methods

Coyote Getters  
Poisoned Baits  
Poison Gases (SN: As used for "denning")  
Poisoned Carcasses  
Trapping  
Leghold Traps  
Nonlethal Traps RT: Relocation  
Live Traps  
Pole Trap  
Rodenticides  
Trash Fish Removal (SN: Sport fishery management)  
Rotenone

### Reproductive Control

### INTRODUCED SPECIES

UF: Exotics RT: Biological controls

Domestic Animals  
Feral Animals  
Pets  
Introduced Competitors  
Introduced Game Animals  
Introduced Parasites  
Macroparasites  
Microparasites RT: Diseases  
Introduced Predators

### OVERCONSUMPTION RT: Waste (SN: Nonsustainable consumption)

Consumption Disequilibrium (SN: Global imbalance in resource consumption)  
Resource Depletion

### POPULATION EFFECTS

Subminimal Viable Population  
Social Breakdown (SN: Non-human)

### SUBLETHAL EFFECTS (SN: Particularly of pollution)

Compromised Adaptation  
Compromised Fertility  
Sterility  
Compromised Immunities

### HABITAT IMPACTS (SN: Direct effects on entire habitat or community structure)

### DEGRADATION. PERTURBATION

Pollution UF: Contamination  
Atmospheric pollution  
Air Pollution  
Long Range Air Pollution  
Transboundary Air Pollution  
UF: Transfrontier Air Pollution  
Acid Precipitation  
Acid Deposition  
Acid Rain

Carbon Dioxide  
 Climate change.  
   *Greenhouse effect*  
   *Sea-level rise*  
 Ozone Depletion  
   *Amphibian Decline*  
   *Skin Diseases*  
 Particulates  
   *CFC's*  
 Pollutants  
 Smoke  
 Sulphur  
   *Sulphur Dioxide*  
**Environmental Diseases**  
**Noise Pollution** *UF: Acoustic Pollution*  
   Noise effects  
**Non-point Source Pollution**  
**Point Source Pollution**  
**Radioactivity**  
   Fallout  
**Olfactory effects** *UF: Smells, Odours*  
**Soil pollution**  
   Chemical Fertilizers  
   Persistence of Chemicals  
**Solid Wastes** *UF: Trash*  
   Flotsam  
   Jetsam  
   Ocean dumping  
**Thermal Effects**  
**Visual effects**  
**Water Pollution**  
   Nitrification  
   Sediment Pollution  
**Weather Modification**

**HABITAT DESTRUCTION** *RT: Nudation*  
   Acidification  
   Alkalinization  
   Benthic Effects  
     Dredging  
     Siltation  
   Blasting  
   Bleaching *(SN: As of coral)*  
   Burning  
   Burying *(SN: As by landfill or other dumping)*  
   Water Flow Effects  
     Canalization  
     Channelization  
     Diking *UF: Embankment*  
     Diversion  
     Impoundment  
   Contamination  
   Deforestation  
     Clearcutting  
     Clearing

**Slash-and-burn**  
**Draining** *(SN: Desiccation, as by reclamation)*  
**Drowning** *(SN: Permanent, as by dams)*  
**Dumping**  
**Eutrophication**  
**Flooding** *(SN: Periodic, as by irrigation)*  
   Saturation  
**Ploughing**  
**Paving** *(SN: As by construction or road building)*  
**Salinization**  
**Scalding**  
**Soil effects**  
   Soil Depletion  
     *Leaching*  
   Soil Erosion  
**Topological Effects**  
   Excavation *(SN: As by pit mining, strip mining or quarrying)*  
   Terracing  
**Water Loss**  
**Water Quality Effects**

**DISRUPTION / DESTRUCTION OF VITAL SITES** *(SN: Mating sites, nesting sites, roosts, dens, etc.)*  
**Abandoned Structures**  
**Caves**  
**Cliffs**  
**Human Activity**  
**Human Presence**  
**Relict Trees**  
**Trampling** *(SN: Human or non-human)*

**HABITAT FRAGMENTATION**  
   Edge Effects  
   Insularization

**HUMAN OCCUPATION** *RT: Recreation*  
   Evacuations. Migrations  
     Evacuees  
       Environmental Evacuees  
     Refugees

**INTERFERENCE WITH MIGRATIONS OR CYCLICAL MOVEMENTS**  
   Migration Distractants  
     Attractants  
   Migration Barriers *RT: Roads*



#### IV. EFFECTS ON NATURE OF UNMITIGATED HUMAN ACTIVITY

##### **RANGE REDUCTION. RANGE COMPRESSION**

##### **Fencing**

##### **Fences**

##### **Walls**

##### **Flight Interference**

*(SN: As by powerlines or other obstacles)*

##### **Pollution Barriers**

##### **Thermal Barriers**

##### **Water Barriers**

**BIODIVERSITY HABITAT,  
SPECIES AND GENETIC  
DIVERSITY WILDLIFE  
MANAGEMENT**

**ACTION PLANS**

**CULLING** (*RT: Game Management, Wildlife Management*)

**IUCN/SSC SPECIALIST GROUPS**

(*SN: GROUPS OF THE IUCN SPECIES SURVIVAL  
COMMISSION*)

**IUCN/SSC Mammals Specialist  
Groups**

African Elephant Specialist Group  
African Rhino Specialist Group  
Antelope Specialist Group  
Asian Elephant Specialist Group  
Asian Rhino Specialist Group  
Asian Wild Cattle Specialist Group  
Australian Marsupial and Monotreme  
Specialist Group  
Bear Specialist Group  
Bison Specialist Group  
Canid Specialist Group  
Caprinae Specialist Group  
Cat Specialist Group  
Cetacean Specialist Group  
Chiroptera Specialist Group  
Deer Specialist Group  
Edentate Specialist Group  
Equid Specialist Group  
Hippo Specialist Group  
Hyaena Specialist Group  
Hyrax Specialist Group  
Insectivores, Tree Shrew and Elephant  
Shrew Specialist Group  
Lagomorph Specialist Group  
Mustelid, Viverrid and Procyonid  
Specialist Group  
New World Marsupial Specialist Group  
Otter Specialist Group  
Pangolin Specialist Group  
Pigs and Peccaries Specialist Group  
Polar Bear Specialist Group  
Primate Specialist Group  
Rodent Specialist Group  
Seal Specialist Group  
Sirenia Specialist Group  
South American Camelid  
Specialist Group  
Tapir Specialist Group  
Wolf Specialist Group

**IUCN/SSC Birds Specialist Group**

Cracid Specialist Group  
Crane Specialist Group  
Hornbill Specialist Group  
Megapode Specialist Group  
Parrot Specialist Group  
Partridge, Quail and Francolin  
Specialist Group  
Pelican Specialist Group  
Pheasant Specialist Group  
Piciform Specialist Group  
Pigeon and Dove Specialist Group  
Seabird Specialist Group  
Steppe and Grasslands Birds  
Specialist Group  
Waterbird Specialist Group

**IUCN/SSC Reptiles and**

**Amphibians Specialist Groups**

African Reptiles and Amphibians  
Specialist Group  
Australian Reptile and Amphibian  
Specialist Group  
China Reptile and Amphibian  
Specialist Group  
Crocodile Specialist Group  
European Reptile and Amphibian  
Specialist Group  
Indian Subcontinent Reptile and  
Amphibian Specialist Group  
Madagascar Reptile and Amphibian  
Specialist Group  
Marine Turtle Specialist Group  
South American Reptile and  
Amphibian Specialist Group  
Tortoise and Freshwater Turtle  
Specialist Group

**IUCN/SSC Fish Specialist Groups**

Coral Reef Fish Specialist Group  
Freshwater Fish Specialist Group  
Marine Fish Specialist Group  
Shark Specialist Group  
Sturgeon Specialist Group

**IUCN/SSC Invertebrates**

**Specialist Groups**

Carabid Beetles Specialist Group  
Lepidoptera Specialist Group  
Inland Water Crustacean  
Specialist Group  
Mollusc Specialist Group  
Odonata Specialist Group  
Orthopteroid Specialist Group  
Social Insects Specialist Group  
Water Beetle Specialist Group

**IUCN/SSC Plants Specialist  
Groups**

Australasian Plant Specialist Group  
Bamboo Specialist Group  
Brazil Plant Specialist Group  
Bryophyte Specialist Group  
Cactus and Succulent Specialist  
Group

Carnivorous Plant Specialist Group  
China Plant Specialist Group  
Conifer Specialist Group  
Cycad Specialist Group  
European Plant Specialist Group  
Fungi Specialist Group  
Indian Subcontinent Plant Specialist  
Group

Island Plant Specialist Group  
Lichen Specialist Group  
Madagascar Plant Specialist Group  
North American Plant Specialist  
Group  
Northwest South American Plant  
Specialist Group  
Orchid Specialist Group  
Palm Specialist Group  
Pteridophyte Specialist Group  
Temperate South American Plant  
Specialist Group

**IUCN/SSC Interdisciplinary  
Specialist Groups**

Captive Breeding Specialist Group  
Invasive Species Specialist Group  
Re-introduction Specialist Group  
Sustainable Use of Wild Species  
Specialist Group  
Veterinary Specialist Group

**IUCN/SSC Task Forces**

Invertebrate Conservation Task Force  
Declining Amphibian Populations  
Task Force

**MINIMUM VIABLE POPULATION**

*RT: Subminimal Viable Population*

**POPULATION VULNERABILITY  
ANALYSIS**

**RARITY STATUS**

Endangered Status

Rare Status

Threatened Status

**RELOCATION** *RT: Wildlife Management*

**CULTURE.HUMANITIES.**

**ETHICS.RELIGION**

**BIOPHILIA**

**CULTURAL HERITAGE**

**DEEP ECOLOGY**

**ECOTHEOLOGY**

**FOLK DANCING**

**FOLK MEDIA**

**FOLK SONGS**

**INTERGENERATIONAL EQUITY**

**MYTHOLOGY**

**RELIGIONS**

**ENVIRONMENTAL**

**ANALYSIS.ENVIRONMENTAL  
ASSESSMENT**

**BIOMONITORING**

**ENVIRONMENTAL COSTS**

**RISK ASSESSMENT**

**ENVIRONMENTAL**

**EDUCATION** *RT: Interpretation*

**ADULT EDUCATION**

**CONSERVATION EDUCATION**

**CONTINUING EDUCATION**

**EXHIBITS**

**INFORMAL EDUCATION**

**LAND LITERACY**

**LIBRARIES**

**MUSEUMS**

**PUBLIC EDUCATION**

**RESOURCE CENTRES**

**STORY TELLING**

**STREET THEATER**

**ENVIRONMENTAL**

**EXPERTISE** *(SN: Treats expert skills)*

**ADMINISTRATIVE SKILLS**

**ADVOCACY, POLICY AND**

**LOBBYING**

**Advocacy Skills**

**Lobbying Skills**

**Policy Development Skills**

**ASSESSMENT, MONITORING AND**

**ENFORCEMENT**

**Environmental Assessment Skills**

**Environmental Enforcement Skills**

**ENVIRONMENTAL MONITORING SKILLS**

**COMMUNICATIONS AND PUBLIC**

**RELATIONS**

**Non-media Communications Skills**

**Media Communications Skills**

**Written Media Skills**

**Audio Media Skills**

**Visual Media Skills**

**Audiovisual Media Skill**

**Computer-based Communications Skills**

**EDUCATION**

**Counselling**

**Teaching**

**FUNDRAISING**

**Donor Relations Skills**

**Grantsmanship**

**INFORMATION MANAGEMENT**

**Data Management Skills**

*UF: Data Handling*

**Design of Information Systems**

**Librarianship**

**LEGAL**

**Legislative Skills**

**Litigation Skills**

**MEDIATION AND CONFLICT**

**RESOLUTION**

**Conflict Resolution Skills**

**Mediation Skills**

**PLANNING, EVALUATION AND**

**ANALYSIS**

**Analytical Skills**

**Evaluation Skills**

**Planning Skills**

**PROJECT MANAGEMENT**

**PUBLISHING**

**RESEARCH** *SN: Case studies*

**ENVIRONMENTAL LAW AND  
POLICY ENVIRONMENTAL  
ENFORCEMENT**

**ACCIDENT INVESTIGATION**

**ADMINISTRATIVE REMEDIES**

**ANTI-POACHING ACTIVITIES**

**CONSERVATION STRATEGIES**

**National Conservation Strategies**

**Harmonisation of Laws**

**Inspection**

**International Observers**

**Polluter Pays Principle**

**Precautionary Principle**

**Verification**

**HUMAN POPULATION.**

**HEALTH. DEMOGRAPHY**

**ABORTION**

**BIRTH CONTROL**

**Contraceptive Devices**

**Voluntary Sterilization**

**SEX EDUCATION**

**INDIGENOUS PEOPLES.**

**TRADITIONAL KNOWLEDGE**

**COLLOQUIAL TAXONOMY**

**CREATION MYTHS**

**ETHNOGRAPHY**

**ETHNOBIOLOGY**

**Ethnobotany**

**Ethnozooology**

**Ethnopharmacology**

**Ethnopsychology**

**INDIGENOUS PEOPLES** *UF: Aboriginal Peoples*

**Languages**

**ORAL TRADITIONS**

**NATURAL AND APPLIED**

**SCIENCES. BOTANY ZOOLOGY.**

**CONSERVATION BIOLOGY**

*(SEE Appendix)*

**PARKS AND PROTECTED**

**AREAS** *RT: Recreation, Tourism*

**ARCHAEOLOGICAL RESOURCES**

**CULTURAL HERITAGE AREA**

**DEVELOPMENT MORATORIUM**

**FIRE MANAGEMENT POLICY**

**FOREST WATCHERS**

**INTERPRETATION** *RT: Environmental Education*

**Visitors Services Centers**

**LAND USE PLANNING**

**Compatible Land Use**

**Land Use Classification**

**Land System**

**Land Units**

*Land Facets*

**Zoning**

**Buffer Zones**

**Peripheral Controlled Zone**

**Protected Core**

**Resource Use Area**

**MANAGEMENT PLAN**

**NATIONAL DESIGNATION**

**PARKS AND PROTECTED AREA**

*(SN: IUCN Guidelines (1994) )*

**Strict Nature Reserve** *(SN: IUCN Category I)*

**Scientific Reserve**

*SN: IUCN Category Ia)*

**Wilderness Reserve** *(SN: IUCN Category Ib)*

**National Park** *(SN: IUCN Category II)*

**Natural Monument** *(SN: IUCN Category III)*

**Habitat/Species Management Area**

*(SN: IUCN Category IV)*

**Protected Landscape/Seascape**

*(SN: IUCN Category V)*

**Managed Resource Protected Area**

(SN: IUCN Category VI)

**RANGERS** *RT: Forest Watchers*

**ROADLESS AREA. UNTRACKED AREA**

**UNPROTECTED AREAS.**

**VULNERABLE AREAS**

**USE FEES. VISITOR FEES**

**VISUAL AESTHETIC**

**Landscape**

**Seascape**

**Scenery**

**View Shed**

**WILDERNESS. PRIMITIVE AREA**

**WILDLIFE RESERVES**

**Bird Sanctuaries**

**WORLD HERITAGE SITES**

**RESTORATION. REMEDIATION**

**Ecesis** (SN: Ability to establish viable population)

**Ecosystem Complexity**

**Induced Balance**

**Nudation** (SN: Quality or degree of perturbation)

**Perturbation Analyses**

**Regeneration**

**Reintroduction. Translocation**

**Resistance**

**Self Perpetuation**

**Species Persistence**

**SOCIAL SCIENCES. SOCIAL POLICY. CONFLICT**

**RESOLUTION** *RT: Environmental Education*

**ARMS CONTROL**

**CHILDREN'S RIGHTS**

**COMMUNITY DEVELOPMENT**

**Community Power**

**CONSCIOUSNESS RAISING**

**DISPUTE SETTLEMENT**

**FEMINISM**

**GERONTOLOGY**

**HUMAN RIGHTS**

**PEACE CONVERSION**

**REPRODUCTIVE RIGHT**

*RT: Abortion, Birth Control*

**SOCIAL CONDITIONS**

**SOCIAL SECURITY**

**WOMEN'S RIGHTS**

**ZERO POPULATION GROWTH**

**SUSTAINABLE DEVELOPMENT. APPROPRIATE TECHNOLOGY. ECONOMICS**

**ADDITIVE WEIGHTING**

**ALTERNATIVE ENERGY**

**ALTERNATIVE TECHNOLOGY**

**AGROECOSYSTEM**

**Agroecosystem analysis**

**Agroecosystem zoning**

**CAPACITY BUILDING**

**COMMUNITY FORESTRY**

**DEBT-FOR-NATURE SWAPS**

**DEBT RELIEF**

**GREEN INVESTMENTS**

**INTEGRATED AREA MANAGEMENT**

**Coastal Zone Planning**

**INTEGRATED RESOURCE**

**MANAGEMENT**

**LAND CARE**

**MAXIMUM SUSTAINABLE YIELD**

**SOCIAL FORESTRY**

**BIOMES** (STANDARD — *Udvardy derived from UNESCO, 1973*)

**COLD-WINTER DESERTS** (*Udv.B8*)

**EVERGREEN FORESTS** (*Udv.B6*)

**LAKE SYSTEM** (*Udv. B14*)

**MIXED ISLAND SYSTEM** (*Udv .B13*)

**MIXED MOUNTAIN-HIGHLAND**

**SYSTEMS** (*Udv.B12*)

**SUBTROPICAL-TEMPERATE RAIN FORESTS** (*Udv.B2*)

**TEMPERATE BROAD-LEAF FORESTS** (*Udv.B5*)

**TEMPERATE GRASSLANDS** (*Udv.B11*)

**TEMPERATE NEEDLE-LEAF FORESTS** (*Udv.B3*)

**TROPICAL DRY FORESTS** (*Udv.B4*)

**TROPICAL GRASSLANDS AND SAVANNAS** (*Udv.B10*)

**TROPICAL HUMID FORESTS** (*Udv.B1*)

**TUNDRA AND ARCTIC DESERT** (*Udv.B9*)

**WARM DESERTS** (*Udv.B7*)

**BIOGEOGRAPHIC REALMS AND**

**PROVINCES** (STANDARD — *Udvardy*)

**AFRICOTROPICAL REALM** (*Udv.3*)

**ANTARCTIC REALM** (*Udv.7*)

**AUSTRALIAN REALM** (*Udv.6*)

**INDOMALAYAN** (*Udv.4*)

**NEARCTIC REALM** (*Udv.1*)

**NEOTROPICAL REALM** (*Udv.8*)

**OCEANIC REALM** (*Udv.5*)

**PALAEARCTIC REALM** (*Udv.2*)

## ANTHROPOLOGY

ARCHAEOLOGY  
CULTURAL ANTHROPOLOGY  
ETHNOLOGY  
LINGUISTICS  
PHYSICAL ANTHROPOLOGY

## APPLIED SCIENCE

AGRICULTURE  
AGRONOMY  
CONSERVATION BIOLOGY  
ECONOMIC ENTOMOLOGY  
ECONOMIC BOTANY  
ENGINEERING  
FOOD SCIENCE  
FISHERIES  
FORESTRY  
HORTICULTURE  
LAND USE PLANNING  
MEDICINE  
PHARMACOLOGY  
RANGE MANAGEMENT  
RESOURCE MANAGEMENT  
VETERINARY SCIENCE  
WILDLIFE MANAGEMENT

## BIOLOGY

ANATOMY  
AQUATIC BIOLOGY  
BIOCHEMISTRY  
BIOPHYSICS  
BOTANY  
    Algology (SN: Algae) UF: Phycology  
    Bryology (SN: Mosses)  
    Mycology (SN: Fungi)  
CYTOLOGY  
ECOLOGY  
GENETICS  
HISTOLOGY  
MARINE BIOLOGY  
MICROBIOLOGY (SN: Microorganisms)  
MORPHOLOGY  
PHYSIOLOGY  
ZOOLOGY  
    Entomology (SN: Insects)  
    Herpetology (SN: Reptiles and Amphibians)  
    Ichthyology (SN: Fishes)  
    Invertebrate zoology  
        (SN: Invertebrate Animals)  
    Arachnology (SN: Spiders)  
    Acarology (SN: Mites and Ticks)  
    Carcinology (SN: Crabs)  
    Malacology (SN: Mollusks)  
    Mammalogy (SN: Mammals)  
    Ornithology (SN: Birds)

## EARTH SCIENCES

ASTRONOMY  
GEOGRAPHY  
    Biogeography  
    Cultural Geography  
    Physical Geography  
GEOLOGY  
    Hydrology  
    Vulcanology  
GEOPHYSICS  
LIMNOLOGY  
METEOROLOGY  
OCEANOGRAPHY  
    Applied Oceanography  
    Biological Oceanography  
    Chemical Oceanography  
    Geological Oceanography  
    Oceanographic Engineering  
    Physical Oceanography

## PHYSICAL SCIENCES

CHEMISTRY  
PHYSICS

## HUMANITIES

COMPARATIVE LITERATURE  
DANCE  
DRAMA  
FINE ARTS  
LITERATURE  
MUSIC

## SOCIAL SCIENCES

ECONOMICS  
    Agricultural Economics  
    Resource Economics  
EDUCATION  
GOVERNMENT  
INTERNATIONAL AFFAIRS  
    UF: International Relations  
POLITICAL SCIENCE  
SOCIOLOGY

## ADMINISTRATION

BUSINESS ADMINISTRATION  
PUBLIC ADMINISTRATION

## LAW

ENVIRONMENTAL LAW

## MARINE & COASTAL WETLANDS

### MARINE WETLANDS

- Subtidal Wetlands
- Shallow Marine Waters
- Aquatic Bed
  - Marine Aquatic Beds
    - Kelp Beds*
    - Sea Grasses*
    - Tropical Marine Meadows*
- Reef
  - Coral Reefs*

### ROCKY INTERTIDAL WETLANDS

- Rocky Marine Shores
- Rocky Offshore Islands
- Sea Cliffs

### UNCONSOLIDATED INTERTIDAL WETLANDS

- Sand Beaches
- Sand Bars
- Sand Spits
- Sandy Islets
- Shingle Beaches
- Pebble Beaches

### ESTUARINE WETLANDS

- Subtidal Estuarine Wetlands
- Estuarine Deltas
- Estuarine Waters

### Intertidal Estuarine Wetlands

- Unconsolidated Intertidal Mudflats
- Unconsolidated Intertidal Sandflats
- Unconsolidated Intertidal Saltflats
- Salt Marshes

### Forested Intertidal Wetlands

- Tidal Forests
  - Mangrove Swamps*
  - Nipa Swamps*
  - Tidal Freshwater Swamp Forest*

### MARINE COASTAL LACUSTRINE/PALUSTRINE WETLANDS

- Permanent Brackish/Saline Lagoons
- Permanent Coastal Freshwater Lagoons
- Seasonal Brackish/Saline Lagoons
- Seasonal Coastal Freshwater Lagoons

## INLAND WETLANDS

### INLAND RIVERINE WETLANDS

- Perennial Riverine Wetland
- Permanent Riverine Wetlands
- Permanent River

- Permanent Stream
- Permanent Waterfalls

### Inland Delta

### Intermittent Riverine Wetlands

- Intermittent River
- Intermittent Stream

### Floodplain Wetlands

## INLAND LACUSTRINE WETLANDS

### Freshwater Lakes

- Permanent Freshwater Lakes

### Seasonal Freshwater Lakes

### Saline Lakes

- Permanent Saline Lakes
- Seasonal Saline Lakes

### Saline Marshes

- Permanent Saline Marshes
- Seasonal Saline Marshes

## INLAND PALUSTRINE WETLANDS

### Permanent Palustrine Wetlands

- Permanent Freshwater Ponds & Marshes

### Alpine/Tundra Wetlands

- Alpine Meadows
- Tundra Pools
- Temporary Snowmelt Waters

### Open Peat Bogs/Fens

### Shrub Dominated Swamps

- Shrub Dominated Freshwater Marsh

### Shrub Carr

### Alder Thicket

### Forested Palustrine Wetlands

- Freshwater Swamp Forest
- Peat Swamp Forest

### Seasonal Palustrine Wetlands

- Freshwater Springs, Oases
- Seasonal Freshwater Marsh

## INLAND GEOTHERMAL WETLANDS

## MAN-MADE WETLANDS

### AQUACULTURE

- Fish Ponds
- Frog Ponds
- Shrimp Ponds
- Turtle Ponds

### AGRICULTURE

- Farm Ponds
- Small Tanks
- Irrigated Land
- Rice Fields
- Seasonally Flooded Arable Land

### SALT EXPLOITATION

- Salt Pans



**Salines**  
**URBAN AND INDUSTRIAL**  
**Excavations**  
    **Borrow Pits**  
    **Gravel Pits**  
    **Mining Pools**  
**Barrages**  
**Reservoirs**  
**Wastewater Treatment**  
    **Sewage Farms**  
    **Settling Ponds**  
    **Oxidation Basins**

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