AGENDA 21

the United Nations Conference on the ent and Development UNCED Rio 92

tecting Mountain Ecosystems er 13, section II, abridged version

e an important source of water, energy, of products, agricultural products and ey are storehouses of biological diversity ered species, constituting an essential abal ecosystem.

isystems are extremely vulnerable and isceptible to soil erosion, landslides and habitats and genetic diversity. Widey and the expansion of the populations inous areas result in deforestation, the marginal lands, intensive cattle-raising, mass cover and other forms of environdation.

oroposals focus on strengthening knowlgy and the sustainable development of systems; promoting the development of areas and alternative employment for living is linked to practices that degrade ironment.

uld create incentives for local populanit themselves to conservationist practhe economy of the mountain areas, natural reserves in regions rich in species ne areas most vulnerable to floods, eros, earthquakes, avalanches and other is, as well as air pollution in industrial and

urism, environmentally sound mining, beeries, the cultivation and processing of d aromatic plants and other activities ocal inhabitants must be encouraged in at the means of subsistence of the compregions and of the native populations.

disasters and floods in the mountains shazard prevention measures, zoning of eas, early warning systems, programs for f inhabitants and emergency supplies.

annual cost (1993-2000) of the is area is of 13 million dollars, including ars of international resources in terms of nd concessions.".





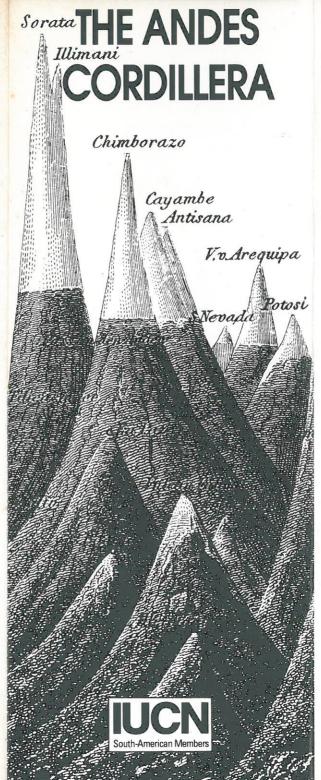
Andean Condor - from the book "Journey of Humboldt and Bonpland"

The Incas knew the cordillera south of Peru as ANTA the Quetchua name for copper; this metal was plentiful in that region.

Later, the name in its spanish version designated the entire mountain range.

Hispanic Encyclopaedia





THE ANDES CORDILLERA

The Andes Cordillera is the largest continuous mountain range in the world, and the second in altitude. Of recent geological formation and still in constant evolution, the Cordillera is characterized by steep slopes and fragile areas.

The human presence in the Cordillera is one of the most ancient, in addition to being among the most developed, in the Americas. Pre-Colombian inhabitants domesticated more than 300 species of plants which are cultivated all over the world, as well as employ another thousand species. To improve their methods of cultivation, the Andean populations built one of the most sophisticated irrigation, drainage and soil conservation systems known so far.

In spite of the significant human presence in the Andes and of its destructive impact on Nature during colonial and in modern times, the region maintained an important quantity of endemisms and natural resources, which play a key role in the future of the entire continent. Emphasizing this concept, the tropical area of the Cordillera has been called the epicenter of our planet's biological diversity.

When the South-American IUCN members first met in 1990 concerning continental issues they decided to put together a work group that would be responsible for the "Integrated Program of Environmental Conservation and Sustainable Development for the Andes Cordillera".

The main objectives of this program are:

- to protect the biodiversity of the natural ecosysytems,
- to protect the free development of autochthonous cultures
- to intensify experiences in sustainable development

To bring this about we intend to employ planning and zoning as tools for sustainable development, as well as the creation of biological corridors among the protected areas. It is, therefore, very important to strengthen this areas within the Cordillera. Other integrated zoning measures, such as the adoption of buffer zones, should complement this process. One of the basic rules for this work is total openness and the search for the greater integration of every possible effort.

A series of meetings have been held by the work group, which has decided to meet at least once every six months. What we seek with this is to have a complete view of the Cordillera, a summary of all the activities involved and the search for the best methodology which will allow the greatest possible efficacy of the programmed actions.





nidity and a climatic symmetry between the Western and is of the range, which has the following ecozones:

> 4500 to 3200 m 3200 to 2200 m 2200 to 1000 m 1000 to 0 m

intainous part of the cool land are cultivated. Temperate land rte humidity are excellent for coffee, maize and fruit. The Chocó ra Nevada de Santa Marta are within the region's influence so shelter important endemisms.

and

The Eastern escarpment shows the following relationship:

Frost Land	6800 to 4800 m
Puna	4800 to 3500 m
Cloudy Forest	3500 to 2000 m
Humid Mountain Forest	2000 to 1000 m
Junale	1000 to 0 m

The high plateaux, with over than 3500 m, are the most densely populated areas of the Andes. The Central Cordillera, which was the heartland of the pre-Colombian indigenous empires, currently represents the only area where the indigenous population exceeds 80% of the area's total population. characterized by a dry sub-tropical climate. The vegetation corresponds to the climate and to the different altitude levels. Xerophillic forests cover parts of the Eastern escarpments. In the southern section the climate and the vegetation change. The west side is humid, and the east side, arid. The southernmost section is characterized by glaciers that go down to the tide water in spectacular fiords.

In that region, tourism brings a distinct set of problems

Those interested in working with this project should get in touch with the Brazilian Committee of IUCN:

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