

ANNEX (ECO)

TABLES

ECO – T – 1
FAUNA/FLORA PROTECTED BY LAW
OR TRHREATENED OF EXTINCTION

FAUNA/FLORA PROTECTED BY LAW OR THREATENED OF EXTINCTION

MAMMALS

No	Pop. Name	Scientific Name	Record	Characteristics	Behaviour
1	Baleia-verdadeira, baleia-franca	<i>Eubalaena australis</i>	Peixe		Not common along the south sea.
2	Baleia-jubarta	<i>Megaptera novaeangliae</i>	Peixe		Not common along the south sea.
3	Bugio, Barbado, Guariba, Bugio-Ruivo	<i>Alouatta fusca</i>	Lami, Itapuã, Mata Atlântica	1,14 to 1,84 m (7 to 9 kg), with brown to red color. The hair is long with longer one on the head.	They emit high and hoarse voices. They are very sociable living generally in small groups. They move more slowly than the "mico", not frighten with the presence of human beings.
4	Boto-comum, Tucuxi	<i>Sotalia fluviatilis</i>	Peixe		
5	Gato-do-mato-grande	<i>Felis geoffroy geoffroy</i>	Peixe	90 to 98 cm (2,7 to 6 kg), with gray-yellow base coloration and small dark spots.	They eat specially rodents and small birds. Generally found in camps, mounts with wood and gallery forests. They can climb on trees easily.
6	Puma, onca-parda	<i>Felis concolor</i>	Mata Atlântica	1,6 to 2,3m (60 kg), with clear-brown coloration with great variation of tonality.	They hunt small rodents till big mammals. Is an agile animal that is capable of great jumps and can climb easily on trees. Probably extinguished in the study area.
7	Gato-do-mato-pequeno	<i>Felis tigrina</i>	Mata Atlântica	76 to 83 cm (3kg), with small black spots at the superior parts and bigger one on the posterior part. Is the smallest gato-do-mato in the state.	The occurrence of this feline is not well known.
8	Jaguatirica	<i>Felis pardalis</i>	Mata Atlântica	1,0 to 1,3m (15kg), yellow with black spots. Sometimes those spots becomes long lists. The chest and belly are pale. Slender	They live in dense forests or vegetation and climb on trees easily. Probably extinguished in the study area.

				body but with developed muscles. Is one of the most beautiful felines in Brazil.	
9	Lontra	<i>Lutra longicaudis</i>	Lami, Peixe, Mata Atlântica, Pequena Lake.	1,0 to 1,2m, brown body with lighter coloration at the neck. They have dense hair. Inter-digital membrane and a tail little bit flattened at the end.	They live in rivers and lakes with nocturne habits.
10	Leao-marinho-do-sul	<i>Otaria flaccens</i>	Peixe		Not common visitor of the coastal area.
11	Toninha	<i>Pontoporia brainvillei</i>	Peixe, Patos Estuary		Not common visitor of the coastal area.

* Fundação Zoobotânica, Mamíferos Silvestres

BIRDS

No	Pop. Name	Scientific Name	Record	Period	Characteristics	Behaviour
1	Capororoca	<i>Coscoroba coscoroba</i>	Taim	All the year, in abundance during the summer.	All white excepting the wing extremity (black), beak (rose) and foot (rose).	Not common along the coast near large wetlands, lakes and humid pastures. Generally living in pairs or family groups. But sometimes found in larger concentrations. The biggest group observed by Benton was 43 birds in Peixe lake (28 th Jan 1974). Lara Resende and Leeuwenberg (1987) found about 250 birds in Peixe lake.
2	Cisne-do-pescoco-preto	<i>Cygnus melancoryphus</i>	Taim, Peixe, Tapes, Arambaré, Grande Wetland, Del Rey Wetland	Despite of the reputation of migration birds, there is no evidence that they are not local. The number of birds can increase during the winter due to the birds	Black head and a black long neck.	Not common resident in wetlands and lakes in the south half of the coast. Utilize large areas of open water with more frequency than other aquatic birds. They make the nest in

				coming from the south.		dense bushes of "sarandi" in the east margim of the Mirim lake.
3	Bacurau-tesoura-grande	<i>Macropsalis forcipata</i>	Taim			
4	Curiango-tesoura-pequeno	<i>Hydropsalis brasiliiana</i>	Taim	It is observed the reduction of birds number during the winter.	Common in camps with disperse vegetation, forest and eucaliptus and acacia plantations. Long tails that can be puzzled with the tail of the <i>Macropsalis creagra</i> that is longer. Brown to red-gray or gray-rose tarsus, black beak, brown iris.	When perturbed during the daylight, they flight in silence for 20 to 30m till land on the ground at the other side of the observer. Silva (21 st Nov 1983) found 2 eggs in Itapuã, clear color with dark brown spots, between brushwoods in a rocky coast. The eggs were not protected by nest, and were disposed on granite.
5	Curiango-do-banhado, Curiango	<i>Eleothreptus anomalus</i>	Taim	The only registration of the bird was in 1971 (Sick) that found a dead body near the west side of Grande swamp.		
6	Flamingo	<i>Phoenicopterus chilensis</i>	Taim, Peixe	During May to September.	They present rose plumage.	Mainly found in shallow coastal lakes of the Mostardas peninsula and the Cassino area. But there are records in the west part of Patos and Mirim lakes. As they live in places with difficult access, there are few information about them. There are no records of nests in the state, supposing that they stay here during the winter and move to other place to make their nests during the summer and spring.

*Belton, W. (Aves do Rio Grande do Sul)

REPTILES

No	Pop. Name	Scientific Name	Record	Obs.
1	Jacare-do-papo-amarelo	<i>Cayman latirostris latirostris</i>	Lami, Peixe	They can reach 3 meters and live in wetlands and big rivers. They have nocturne habits eating molluscs, aquatic insects, fishes, birds and mammals. The female put 20 eggs in average protecting the child for several months.
2	Cagado-do-pescoco-comprido	<i>Hydromedusa tectifera</i>	Peixe, São Lourenço do Sul	
3	Cagado-da-ferradura	<i>Phrynops geoffroyana</i>		
4	Cagado-da-ferradura	<i>Phrynops williamsi</i>	Porto Alegre	
5	Cagado-comum	<i>Platemys hilairii</i>	Grande swamp	
6	Tartaruga-de-couro	<i>Dermochelya coriacea</i>	Marine	

PLANTS

No	Pop. Name	Scientific Name	Record	Obs
1	Pinheiro-brasileiro, pinheiro-do-paraná	<i>Araucalia angustifolia</i>	Mata Atlântica	Tree of 20 to 50 m, resin, cylindric, straight stem, with canopy in form of drinking vessel when adult. The male inflorescence is long in form of cigar and the female is rounded (with 10 to 150 pines). They are found in plateau grouping in humid mist woods. The male inflorescent is mature at the winter end, and the pines are mature in the autumn. The occurrence area of the pinheiro-brasileiro is estimated to be 200,000 km ² (2 times of the Santa Catarina state or half of Japan). But is threatened of extinction due to the exploitation carried during 2 centuries.
2	Canela-preta	<i>Ocotea catharinensis</i>	Mata Atlântica	Presents perennial leafs and has 25 to 30 m of height and 60 to 100 cm of diameter. The stem is a little bit curved, and the branches are large, tortuous and thick. It flowers all the year, but the predominance is between august to march and the fruit appears mainly in the autumn-winter. The canela-preta is common in the pluvial woods of the south Atlantic coast, but most part is observed in altitudes of 300 to 800 m.
3	Imbuia	<i>Ocotea porosa</i>	Mata Atlântica	It appears in Jacuí river basin or central depression and plateau area.
4	Canela-sassafrás	<i>Ocotea pretiosa</i>	Mata Atlântica	Tree with perennial leaf, 20 to 25 m of height and 50 to 70 cm of

				diameter. The stem is generally tortuous, excavated, thick bark, dark-gray or brown with typical scars. The branch is irregular, ascendant, forming long crown. The sassafrás presents a very restrict distribution in Rio Grande do Sul. Occurring in the downstream of Gravataí and Sinos rivers, as in the plateau if pine regions. It flowers mainly in December to February.
5	Corticeira-do-banhado	<i>Erythrina crista-galli</i>	Peixe, Lami	Small tree with less than 12 m, with beautiful red flowers. The fruit is a shuck. The stem is low and sinuous covered with thorns. Is abundant along rivers and swampy lands. The flower appears during the summer, spring and autumn and the fruits appear during the summer-autumn.
6	Figueira-do-Mato	<i>Ficus organensis</i>	Peixe, Lami	Large tree that is more emphasized by the width than the height. They are normally low and big in diameter. They give great quantity of food for mammals and birds (the fig). The “figueira” starts growing around another host-tree, emitting roots in all directions till fixates on the soil. After it the root kills the host by strangulation. It differs from the <i>Ficus luschnathiana</i> by the smaller leafs and dispersed fruits. It is observed along the coast in Rio Grande do Sul (from Torres to Chuí).
7	Figueira	<i>Ficus luschnathiana</i>	Mata Atlântica	The same of the <i>Ficus organensis</i> except the leafs and fruits.
8	Palmito	<i>Euterpe edulis</i>	Mata Atlântica	Palm tree with thin, straight and cylindric stem reaching 10 to 20 m. The top is dense formed by tuff of big leafs. It flowers mainly during the spring and the fruits matures from April to November. It is observed in the pluvial woods of the Atlantic coast in a narrow zone.
9	Efedra	<i>Ephedra tweediana</i>		Law 4,119/96. Shrub with cylindric stalk, with lot of branches. The leaf is small or not exists. It is a gymnosperm and are utilized as medicine plant in all the world for asthma fever.
10	Coronilha	<i>Scutia buxifolia</i>		Law 4,119/96. Small tree with 3 to 5 m height, with dense ramification at the base. Trees in the forest can reach 15 to 20 m with 10 to 30 cm of diameter. The stem is tortuous and short, dark bark, thin branches with thorn and flexible. The canopy is rounded or irregular. The leaf is dark-green. It flowers generally during January in Rio Grande do Sul.
11	Falsa-coronilha, Espinheiro	<i>Sideroxylum obtusifolium</i>		Law 4,119/96
12	Cancrosa-de-três-pontas, Sombra-de-touro	<i>Iodina rhombifolia</i>		Law 4,119/96
13	Podocarpus, Pinheiro-	<i>Podocarpus lambertii</i>	Present in the southeast	Law 4,119/96.

	brasileiro		area or Escudo Riograndense and plateau area.	
14	Guaricana	<i>Geonoma schottiana</i>	Present in pluvial forests or Atlantic coast.	Law 4,119/96
15	Guaricana	<i>Geonoma gamiova</i>	Present in pluvial forests or Atlantic coast.	Law 4,119/96.
16	Cerejeira-do-Rio-Grande	<i>Eugenia involucrata</i>		Without protection law. With perennial leaf and 10 to 15 m of height. The stem is straight and sleek. The bark is clear-gray and the leaf dark-green. It flowers during September to November and the fruits mature during October and December.
17	Sombra-de-touro	<i>Acanthosyris spinescens</i>		Without protection law. Present in southeast area or Escudo riograndense, Ibicuí river basin and southwest area or Espinilho park.
18	Cavalinha	<i>Equisetum giganteum</i>		Without protection law.
19	Canela-sândalo	<i>Aiouea saligna</i>	Present in pluvial forest or Atlantic coast, Jacuí river basin or central depression.	Without protection law.
20	Xaxim-bugio	<i>Dicksonia sellowiana</i>	Present in plateau or forest area.	Without protection law.

Reitz, R "Projeto-Madeira do Rio Grande do Sul"

ECO – T – 2 (a)
FEDERAL LEGISLATION

FEDERAL LEGISLATION

LAW

No	Date	Content
2,419	10 th Feb 1955	Establishes the Coastal Patrol to defend the marine fauna/flora and fiscalize the fishery sector.
4,771	15 th Sep 1965	Establishes the New Forest Code.
4,778	22 nd Sep 1965	Obliges the participation of the forest authorities in the approval of plants and plans of land division to be sold.
5,106	2 nd Sep 1966	Regulates the fiscal incentives for forest enterprises.
5,197	3 rd Jan 1967	Regulates the fauna protection (Fauna Protection Code).
6,513	20 th Dec 1977	Regulates the creation of Special Areas and Tourism Interest Locations; about the listing of assets with cultural and natural values for tourism finalities.
6,638	8 th May 1979	Establishes norms for the dissection of animals for scientific/educative proposes.
6,902	27 th Apr 1981	Regulates the creation of Ecological Stations and Enviromental Protection Areas.
6,938	31 st Aug 1981	Regulates the finalities and mechanisms of formulation and execution of the National Policy of Environment.
7,173	14 th Dec 1983	Regulates the establishment and function of zoologic gardens.
7,347	24 th Jul 1985	Disciplines the public civil actions responsible for damages caused to the environment, consumers, assets and rights of tourism, esthetic, historic, artistic and landscape values.
7,563	19 th Dec 1986	Establishes the National Program of Urban Tree Plantation with Fruit Trees (PRO-FRUTI).
7,643	18 th Dec 1987	Prohibit catching <i>cetaceous</i> in Brazilian marine area.
7,661	16 th May 1988	Establishes the National Plan of Coastal Management (PNGC) as part of the National Policy of Marine Resources (PNRM) and National Policy of Environment (PNMA).
7,679	23 rd Nov 1988	Regulates the prohibition of fishery of specimens in reproduction period.
7,732	14 th Feb 1989	Extinguishes the Brazilian Institute of Forest Development (IBDF) transferring the financial/budget resources for the Special Secretariat of Environment (SEMA).
7,735	22 nd Feb 1989	Extinguishes the SEMA and Superintendence of Fishery Development (SUDEPE), creating the Brazilian Institute of Environment and Renewable Natural Resources (IBAMA).
7,754	14 th Apr 1989	Establishes the protection of forests located at river springs.
7,797	10 th Jul 1989	Creates the National Fund of Environment.
8,171	17 th Jan 1991	Regulates the agricultural policy that includes the environment protection.
8,287	20 th Dec 1991	Regulates the benefits concession of unemployment-insurance for the small scale fisherman during the period of prohibition of the activities.
9605	13 th Feb 1998	Regulates the penalties for damages against the environment.

DECREE-LAW

No	Date	Content
3,914	9 th Dec 1941	Introduction of the Penal Code (Decree-Law N° 2,848 (7 th Dec 1940)) and Penal Infractions (Decree-Law N° 3,688 (3 rd Oct 1941) for crimes against the Forest Code and Fishery Code (Decree-Law N° 794 (19 th Oct 1938)).
221	28 th Feb 1967	Regulates the protection and incentive of the fishery sector.
289	28 th Feb 1967	Creates the Brazilian Institute of Forest Development (IBDF).
1,134	16 th Nov 1970	Alters the systematic of the fiscal incentives for forest enterprises.
1,483	6 th Oct 1976	Regulates the monetary correction of the value of the forest resources and the rights to explore it.
1,503	23 rd Dec 1976	Regulates the fiscal incentives for forest enterprises.

DECREE

No	Date	Content
24,645	10 th Jul 1934	Establishes protection measures for animals.
58,054	23 rd Mar 1966	Convention for fauna, flora and landscape beauties protection in American countries.
63,234	12 th Sep 1968	Establishes the Bird Day (5 th October).
68,459	1 st Apr 1971	Regulates the fishery activities in the national coastal area for the rational utilization and conservation of the living resources.
84,017	21 st Sep 1979	Approves the regulations for the National Parks.
84,973	29 th Jul 1980	Establishes that the nuclear plants must be located in areas delimited as ecological stations.
86,028	27 th May 1981	Establishes the Environment National Week.
86,176	6 th Jul 1981	Regulates the creation of special areas and locations of tourism interests.
89,336	31 st Jan 1984	Regulates the Ecological Reserves and Areas of Relevant Ecological Interests.
93,56	6 th Nov 1986	Creation of the Peixe Lake National Park.
95,733	12 th Feb 1988	Regulates the inclusion in the Federal Projects/Works Budget, resources destined to prevent or correct damages of environmental, cultural and social natures caused by those projects and works.
96,233	28 th Jun 1988	Regulates the utilization of fiscal incentives for the forest development in the country.
97,628	10 th Apr 1989	Regulates the article 21 st of the Law N° 4,771 (15 th Sep 1965) – Forest Code.
97,632	10 th Apr 1989	Regulates the article 2 nd , incise VIII, of the Law N° 6,938 (31 st Aug 1981) - National Environmental Policy.
97,633	10 th Apr 1989	Regulates the National Council of Fauna Protection (CNPf).
98,161	21 st Sep 1989	Regulates the management of the Environment National Fund (FNMA).
98,897	30 th Jan 1990	Regulates the reserves of natural resources extraction activities.
99,274	6 th Jun 1990	Regulates the Law N° 6,902 (27 th Apr 1981) – creation of Ecological Reserves and Environment Protection Areas, and Law N° 6,938 (31 st Aug 1981) – Environment National Policy.
99,556	1 st Oct 1990	Regulates the protection of natural underground caves in national territory.
24	4 th Feb 1991	Regulates the actions for the environment protection in indian lands.
78	5 th Apr 1991	Approves the structural regulations of the Brazilian Institute of Environment and Renewable Natural Resources (IBAMA).
-	31 st May 1991	Regulates the prohibition of cutting, processing, transport and commercialization of <i>Astronium brasiliensis</i> (Aroeira Legítima), <i>Melanxylon brauna</i> and <i>Schinopsis urundeuva</i> (Baraúnas) and <i>Astronium fraxinifolium</i> (Gonçalo Alves).
750	10 th Feb 1993	Regulates the cutting, exploitation and suppression of the primary vegetation or advanced and medium regeneration stages of the “Mata Atlântica”.
1,218	15 th Aug 1994	The National Council of Fauna Protection (CNPf) will have it's function established by governmental order of the State Ministry of Environment and Legal Amazonia.
1,282	19 th Oct 1994	Regulates the articles 15, 19, 20 and 21 of the Law N° 4,771 (15 th Sep 1965) - Forest Code
1,298	27 th Oct 1994	Approves the regulations of the National Forests (FLONAS)
1,354	29 th Dec 1994	Establishes the National Program of Biological Diversity (PRONABIO) in the scope of the Ministry of Environment and Legal Amazonia.
1,922	5 th Jul 1996	Recognizes the Private Reserves of the Natural Patrimony (RPPN).
2,473	26 th Jan 1998	Creates the National Forest Program.
2,661	8 th Jul 1998	Regulates the unique paragraph of the article 27 of Law No 4,771 (15 th Sep 1965) – Forest Code – related to fires in agricultural lands and forests.

GOVERNMENTAL ORDER

No	Agency	Date	Content
79-P	IBDF	3 rd Mar 1975	Regulates the amateur hunt governed by the Law N° 5,197/67.
DC-20*	IBDF	27 th Sep 1976	Prohibits the exploitation of <i>Araucaria angustifolia</i> .
001**	IBDF	11 th Apr 1980	Regulates the exploitation of forests and other tree formations.
108-P	IBDF	2 nd Apr 1982	Regulates the amateur hunting permission.
159-P	IBDF	12 th May 1983	Permit the amateur hunting in Rio Grande do Sul except for the following conditions: - in National Parks, Biological Reserves and Ecological Stations; - in private lands without permission; - in properties declared Private Refuges of Native Animals; - with utilization of electronic instruments and lasso that capture the animal alive.
21-N	SUDEPE	30 th May 1984	Establishes norms for the fishery craft permission and it's inscription in the General Register of Fishery.
315-P*	IBDF	17 th Jul 1984	Disciplines the planning of activities on forest management and normalizes those related to the exploitation and commercialization of forest products/sub-products.
11	SUDEPE	13 th May 1987	Regulates the prohibition of fisheries with any type of trolling by motorized crafts.
62	IBDF	10 th Mar 1988	Invalidate the Certificate of Reforestation Participation (CPR).
217	IBDF	27 th Jul 1988	Regulates the institution of Private Reserve of Fauna/Flora.
267-P	IBDF	5 th Sep 1988	Regulates the penalties against any the Law N° 4,771 (15 th Sep 1965) and Law N° 5,197 (3 rd Jan 1967).
287	IBDF	4 th Oct 1988	Give options for the projects approved by IBDF to utilize totally the resources owed by the managing enterprises.
125	IBAMA	7 th Apr 1989	Regulates the forms for the Registration Certificate (CR) and the Collection Document of Register Contribution (DACR).
218	IBAMA	4 th May 1989	Normalizes the process of authorization of forests cutting and exploitation involving the "Mata Atlântica".
251	IBAMA	15 th May 1989	Limits the shipping of bottom trolling to capture <i>Micropogonias furnieri</i> (corvina), <i>Umbrina canosai</i> (castanha), <i>Macrodon ocellodon</i> (pescadinha real), <i>Cynoscion striatus</i> (pescada) and other associated specimens in all the country.
283-P	IBAMA	18 th May 1989	Regulates the registration of zoological parks (public or private)
310-P	IBAMA	26 th May 1989	Regulates the articles 6 th , 11 th and 22 nd of the Law No 5,197/87 (Fauna Protection Code), which is related to the concession of amateur clubs/societies registration for hunting and flight shooting.
384	IBAMA	27 th Jul 1989	Associates the National Parks, Biological Reserves, Ecological Reserves, Ecological Stations, Environmental Preservation Areas and National Forests.
439	IBAMA	9 th Aug 1989	Regulates the obligation of forest reposition in case of exploitation of <i>Euterpe edulis</i> (palmito).
920*	IBAMA	17 th Oct 1989	Approve the new format of the Unique Document of Collection (DUA).
1**	IBAMA	19 th Oct 1989	Establishes the recommendable requirements of animals lodges in zoological parks.
1,522	IBAMA	19 th Dec 1989	Regulates the Official List of Specimens of the Brazilian Fauna Threatened of Extinction.
1,583	IBAMA	21 st Dec 1989	Establishes norms to realize amateur fishery, fishery competitions and inscribe clubs or associations of amateur fishery in the IBAMA.
19	IBAMA	17 th Jan 1990	Prohibits the exchange of animals between zoological parks, scientific and commercial breeder that is not regularized.

GOVERNMENTAL ORDER (Continuation)

No	Agency	Date	Content
239	IBAMA	8 th Mar 1990	Regulates the collection of admission in National Parks.
332	IBAMA	13 th Mar 1990	Regulates the license for zoological material collection for scientific and educative purposes.
828	IBAMA	1 st Jul 1990	Regulates the approval of Recognition Title as Private Reserve of Natural Patrimony (RPPN).
887	IBAMA	15 th Jul 1990	Regulates the realization of situation diagnosis of the national cave patrimony.
2,114	IBAMA	24 th Oct 1990	Prohibits the selling, donation or any other transaction of native and exotic animals between national or foreigner circus and zoological parks in all the country.
172	IBAMA	22 nd Jan 1991	Regulates the normalization of commerce of native savage animals, born in breeder, only between zoological parks.
5-N	IBAMA	25 th Apr 1991	Regulates the coupling of animals of native fauna maintained in breeders, singles and included in the Official List of Specimens of Brazilian Fauna Threatened of Extinction.
16-N	IBAMA	29 th May 1991	Approve the model of Registration Card of Professional Fisherman to prove the registration in the IBAMA.
37-N	IBAMA	3 rd Apr 1992	Recognizes the Official List of Specimens of the Brazilian Flora Threatened of Extinction.
139	SEMAM/ PR	5 th Jun 1992	Establishes the obligatoriness of authorization to transport forest products of native origin.
62-N	IBAMA	10 th Jun 1992	Establishes a list of aquatic animals able to be captured and commercialized alive.
74	IBAMA	6 th Jul 1992	Establishes norms to request the exploitation of planted forest.
77	IBAMA	13 th Jul 1992	Regulates the creation of Environment Education Centers (NEAs) linked directly to the IBAMA superintendence.
137*	IBDF	22 nd Dec 1992	Regulates the exploitation of implanted forests with resources of fiscal incentives.
149-P	IBAMA	30 th Dec 1992	Regulates the registration of businessman or owner of chain-saw.
8-N	IBAMA	29 th Jan 1993	Prohibits the trolling of <i>Panaeus paulensis</i> , <i>P. brasiliensis</i> and <i>P. subtilis</i> (camarão-rosa) during 15 th of February to 15 th May in the extension between the Bahia and Rio Grande do Sul states.
25	IBAMA	9 th Mar 1993	Prohibits the transport and commercialization of the following specimens in RS, SC, PR, SP, RJ and ES: <i>Brycon orbignyanus</i> , <i>B. hilarii</i> , <i>Prochilodus lineatus</i> , <i>P. affinis</i> , <i>Leporinus aff obtusidens</i> , <i>L. aff elongatus</i> , <i>Piaractus mesopotamicus</i> , <i>Salminus maxillosus</i> , <i>Paulinea luetkeni</i> , <i>Pseudoplatystoma coruscans</i> , <i>P. fasciatum</i> , <i>Pterodoras granulosus</i> , <i>Plagioscion squamosissimus</i> , <i>Pimelodus maculatus</i> .
44-N	IBAMA	6 th Apr 1993	Regulates the Authorization to Transport Forest Products (ATPF).
48*	IBAMA	23 rd Apr 1993	Regulates the creation of the National Net of Information about Environment (RENIMA).
90*	IBAMA	26 th Jul 1993	Revokes the Previous Permission of Fishery for Crafts to be Constructed (PPPEC).
139-N	IBAMA	29 th Dec 1993	Regulates the Conservation Breeders.
16	IBAMA	4 th Mar 1994	Regulates breeders for savage fauna with scientific finalities.
44-N	IBAMA	12 th Apr 1994	Regulates the apprehended equipment utilized in fishery.
90-N	IBAMA	2 nd Sep 1994	Regulates the authorization to film, record and photograph in Conservation Units with scientific or commercial purposes.
91*	IBAMA	2 nd Sep 1994	Regulates the institution of the Nucleus of Conservation Units (NUC).

GOVERNMENTAL ORDER (Continuation)

No	Agency	Date	Content
108	IBAMA	6 th Oct 1994	Regulates the registration in the Savage Exotic Fauna Owner to possess animals of the genus <i>Panthera</i> , family Ursidae, and of the family Pongidae and Cercopithecidae, family Hippopotamidae and order Proboscidae.
118	IBAMA	31 st Oct 1994	Approves the Administrative Norms to create, regularize and consolidate the Extraction Reserves.
7	IBAMA	26 th Jan 1995	Authorizes, exceptionally and in experimental way, the amateur hunt of <i>Sus scrofa</i> (javalí) in RS during 01/02/95 to 15/05/95.
60	IBAMA	23 rd Aug 1995	Approves norms and process to be observed in collections of penalties and other debits with IBAMA.
227	MMA	31 st Aug 1995	Fixes new values for penalties of IBAMA.
13	IBAMA/ SUPES- RS	27 th Sep 1995	Fixes the period to preserve the "piracema" prohibiting to catch it during 15 th of October of 1995 to 15 of January of 1996 in lakes, lagoon, rivers and wetlands in RS.
113	IBAMA	29 th Dec 1995	Regulates the sustainable forest management.
12***	-	12 th Aug 1996	Institutes the National Program of Amateur Fishery Development
1**	IBAMA	5 th Sep 1996	Regulates the obligation of forest reposition for persons or entities that explores, utilizes, transforms or consume the forest raw-material.
83	IBAMA	15 th Oct 1996	Regulates the exportation of products and sub-products of the Brazilian flora (native or exotic) and revokes the mentioned governmental order.
92	IBAMA	25 th Oct 1996	Regulates the actualization of values in the Governmental Order N° 227/95.
1,888	IBAMA	11 th Nov 1996	Institutes the Registration System of Fishery Crafts (SREP).
117	IBAMA	26 th Dec 1996	Defines the regulations to prevent and repress the international molestation of cetaceos (order <i>Mysticeli</i> , <i>Physeter macrocephalus</i> (cachalote) and <i>Orcinus orca</i> (orca).
5	IBAMA	19 th Feb 1997	Regulates the obligation to utilize Escape Device for tartlus in trolling nets utilized to catch shrimps.
47	IBAMA	22 nd May 1997	Regulates the authorization for amateur hunting to RS.
57	IBAMA	5 th Jun 1997	Institutes the National Center of Study, Protection and Management of Caves (CECAV).
70	IBAMA	4 th Jul 1997	Authorizes the population control of <i>Myiopsitta monachus</i> (caturríta) by felling or capture following of felling in rural lands in the mentioned municipalities.
105	IBAMA	11 th Sep 1997	Regulates the prohibition of importation and transport between states of <i>Sus scrofa</i> (javalí).
109	IBAMA	12 th Sep 1997	Establishes the unification of the expedition process of research licenses to realize scientific activities in Federal Conservation Units of Indirect Use).
117*	IBAMA	15 th Oct 1997	Establishes norms to commercialize animals alive, killed, parts or products of Brazilian savage fauna from breeders with economical and industrial finalities.
118*	IBAMA	15 th Oct 1997	Establishes norms for animal breeders function of Brazilian savage fauna with economical and industrial purposes.

GOVERNMENTAL ORDER (Continuation)

No	Agency	Date	Content
144	IBAMA	17 th Nov 1997	Regulates the prohibition of trolling catches of <i>Penaeus pauleusis</i> (camarão rosa), <i>P. brasiliensis</i> (camarão rosa), <i>P. subtilis</i> (camarão rosa), <i>Xiphopenaeus kroyeri</i> (camarão sete-barbas), <i>P. schimitti</i> (camarão branco), <i>Pleoticus muelleri</i> (camarão santana) and <i>Artemesia longinaris</i> (camarão barba ruça) during 1 st of March of 1998 to 30 th of April of 1998.
147	IBAMA	17 th Nov 1997	Regulates the permission to explore natural fields of algae by persons or entities.
162	IBAMA	18 th Dec 1997	Regulates the Environmental Declaration Act (ADA).
33	IBAMA	31 st Mar 1998	Maintain the prohibition of importation and transport between states of <i>Sus scrofa</i> (javalí).
50-N	IBAMA	17 th Apr 1998	Establishes norms of request the exploitation of planted forests by incentives and those that are under obligation with forest reposition.
51-N	IBAMA	17 th Apr 1998	Regulates the end of forestation and reforestation projects under the IBAMA jurisdiction.
71-N	IBAMA	5 th Jun 1998	Establishes criteria for obliged Forest Reposition in the compensation modality.
92-N	IBAMA	2 nd Jul 1998	Establishes the technical and administrative process for commercialization and direct sale of products and sub-products produced by the National Forests (FLONAS).
93	IBAMA	7 th Jul 1998	Establishes norms for importation and exportation of products and sub-products of the exotic savage fauna.
94-N	IBAMA	9 th Jul 1998	Institutes the controlled fire as production and management factors in agricultural, pasture and forest areas.
102	IBAMA	15 th Jul 1998	Normalizes the function of animal breeders for exotic savage fauna with economic and industrial purposes.
117	IBAMA	17 th Aug 1998	Establishes criteria for forest products, without commercial destination, for religious or research purposes.
121	IBAMA	24 th Aug 1998	Regulates the prohibition of utilization and/or transport of nets in the national territory.
2-N**	IBAMA	14 th Sep 1998	Establishes discipline norms for Community Fires.
1**	IBAMA	6 th Oct 1998	Establishes that the Forest Management Plan (PMF) shall be registered in the State Superintendence of IBAMA.
136	IBAMA	14 th Oct 1998	Establishes norms to register aquaculture farmers and artificial fishing ponds.
2**	IBAMA	16 th Oct 1998	Establishes and make uniform the administrative process about Identification, Creation and Regulization of Land Possession of Conservation Units.
142-N	IBAMA	21 st Oct 1998	Authorizes the population control of <i>Agelaius ruficapillus</i> (garibaldi) in rural properties that produce rice in RS.
143-N	IBAMA	22 nd Oct 1998	Instituted the National Center of Research, Conservation and Aquatic Mammal Management (Aquatic Mammal Center).
145-N	IBAMA	29 th Oct 1998	Establishes norms to introduce, re-introduce and transfer aquatic animals for aquaculture, excluding ornamental animals.
159	IBAMA	27 th Nov 1998	Authorizes the population control of <i>Myiopsitta monachus</i> (caturrita) in some municipalities in RS.
163-N	IBAMA	8 th Dec 1998	Excludes the item V of article 31 of the Governmental Order Nº 93/98.

IBDF: Brazilian Institute of Forest Development;

*Normative Governmental Order;

**Normative Instruction;

***Inter-ministry Government Order;

RESOLUTIONS

No	Agency	Date	Content
001	CONAMA	23 rd Jan 1986	Regulates the general directions for the use and implementation of the Environmental Impact Evaluation.
004	CONAMA	18 th Jul 1987	Declares several Conservation Units as Ecological Sites of Cultural Relevance.
005	CONAMA	6 th Aug 1987	Approves the National Program of Cave Patrimony Protection.
011	CONAMA	3 rd Dec 1987	Declare as Conservation Units the Ecological Station, Ecological Reserves, Environmental Protection Area, Municipal/State/National Parks, Biological Reserves, Municipal/State/National Forests, Natural Monuments, Botanic Garden, Zoological Gardens, Forest Gardens.
001	CONAMA	16 th Mar 1988	Regulates the Federal Technical Registration of Activities and Instruments of Environmental Defense.
003	CONAMA	16 th Mar 1988	Regulates the participation of civil entities with environmental purposes in the inspection of Ecological Reserves.
010	CONAMA	14 th Dec 1988	Regulates the ecological-economical zoning of Environmental Protection Areas.
011	CONAMA	14 th Dec 1988	Regulates the forest fires in Conservation Units.
012	CONAMA	14 th Dec 1988	Declare the Relevant Areas of Ecological Interests as Conservation Units.
006	CONAMA	15 th Jun 1989	Institutes the National Registration of Environmental Entities (CNEA) for NGO.
012	CONAMA	14 th Sep 1989	Regulates prohibitions of activities that damage the ecosystem conservation, especial protection of rare specimens and the landscape harmony.
017	CONAMA	7 th Dec 1989	Define the destination of skin of savage animals apprehended by IBAMA.
013	CONAMA	6 th Dec 1990	Regulates the definition, by the environmental organisms, activities that affects the native fauna/flora of Conservation Units.
004	CONAMA	31 st Mar 1993	Regulates areas of “restinga” native formations.
010	CONAMA	1 st Oct 1993	Establishes basic parameters to analyze the succession stages of “Mata Atlântica”.
012	CONAMA	4 th May 1994	Approves the Technical Terms Glossary, elaborated by the Temporary Technical Council of Mata Atlântica Topics.
022	CONAMA	7 th Dec 1994	Regulates the new registration and re-registration in the National Registration of Environmental Entities (CNEA) for NGO.
002	CONAMA	18 th Apr 1996	Treats about the implantation of Ecological Stations as pre-requirement necessary for the license of enterprises of relevant environmental impacts.
009	CONAMA	24 th Oct 1996	Define parameters and proceedings to identify and protect the corridors between remainders (band of vegetal cover in remainders of primary vegetation in medium and advanced stage of regeneration, capable to give habitat or behave as transit area for the resident fauna).
237	CONAMA	19 th Dec 1997	Regulates the environmental license.
249	CONAMA	1 st Feb 1999	Approves directions for the Policy for the Conservation and Sustainable Development of the “Mata Atlântica”.

ECO – T – 2 (b)
STATE LEGISLATION

STATE LEGISLATION

LAWS

Nº	DATE	CONTENT
7,989	19 th Apr 1985	Protection of all remaining native forests in Rio Grande do Sul.
7,990	19 th Apr 1985	Establishes the obligation of scientific researches with objective of environmental impact and fauna/flora listing for large scale enterprises.
8,018	29 th Jul 1985	Limits the exploitation of <i>Psidium grandifolium</i> M. ("Araçá-do-mato"), <i>Myrocarpus frondosus</i> Fr. All. ("Cabriva"), <i>Cabralea glaberrima</i> A. Juss. ("Canjerana"), <i>Cedrella fissilis</i> Vell. ("Cedro"), <i>Eugenia involucrata</i> DC. ("Cerejeira"), <i>Patagonula americana</i> L. ("Guajuvira"), <i>Tabebuia</i> spp. ("Ipê"), <i>Blepharocaliz augustifolius</i> Berg. ("Murta"), <i>Cordia tricholotoma</i> (vell) arrab. Ex Steud. ("Louro"), <i>Araucaria augustifolia</i> (Bert) O. Ktze. ("Pinheiro Brasileiro"), <i>Sloanea monosperma</i> vell. ("Sapopema"), <i>Ocotea pretiosa</i> (Ness) mez. ("Canela Sassafrás"), <i>Nectandra megapotamica</i> Mez. ("Canela Preta").
8,203	4 th Nov 1986	Minor alteration of the Law Nº 7,989.
8,773	23 rd Dec 1988	Institutes 1989 as the "Environmental Year" and establishes the "Defense Campaign of Environment".
8,784	28 th Dec 1998	Authorizes the Executive Power to introduce the ecology and agricultural chemicals in the rural and agricultural schools in RS.
9,077	4 th Jun 1990	Creates FEPAM
9,261	29 th May 1991	Denominates FEPAM as Henrique Luiz Roessler
9,347	1 st Oct 1991	Discipline the breeding and maintenance of exotic savage animals in urban areas of the municipalities in Rio Grande do Sul.
9,519	21 st Jan 1992	Establishes the Forest Code in Rio Grande do Sul.
9,677	2 nd Jul 1992	Creates the Development Council of Fishery.
9,950	21 st Sep 1993	Minor alteration of the law Nº 9,519.
10,056	10 th Jan 1994	Regulates the maintenance of the amateur hunting in RS.
10,164	11 th May 1994	Regulates the definition of small scale fishery in RS.
10,254	8 th Sep 1994	Regulates the amateur fishery in RS.
10,330	27 th Dec 1994	Regulates the organization of the State System of Environmental Protection.
10,331	27 th Dec 1994	Conservation of <i>Euterpe edulis</i> Mart ("Palmito").
10,831	24 th Jul 1996	Minor alteration of the Law Nº 9,519.
11,026	5 th Nov 1997	Minor alteration of the Law Nº 9,519

DECREE

Nº	DATE	CONTENT
23,082	26 th Apr 1974	Institutes the State Policy of Environmental Protection.
23,798	12 th Mar 1975	Creates the State Parks of Biological Reserves.
29,621	12 th May 1980	Organizes the State System of Environmental Protection.
33,886	11 th Mar 1981	Creates the Itapuã State Park.
30,835	21 st Sep 1982	Preservation of the <i>Prosopis algarobilla Griseb</i> ("Algarobo") in all Rio Grande do Sul.
32,239	8 th May 1986	Creates the State Council of Fishery.
33,765	28 th Dec 1990	Approves the Statute of the FEPAM.
34,255	2 nd Apr 1992	Creates the Forest Development Plan in Rio Grande do Sul
34,256	2 nd Apr 1992	Creates the State System of Conservation Units.
34,573	16 th Dec 1992	Approves the Regulation of the State Parks in RS.
6,818	21 st Oct 1992	Approves the agreement between FEPAM and Military Brigade of the State to cooperate in the protection of the fauna and flora patrimony and the environment in RS.
34,550	23 rd Nov 1992	Regulates the Forest Development Fund (FUNDEFLO) to support the Forest Development Plan (Decree 34,255)
34,974	23 rd Nov 1993	Establishes the responsibility of Forest Police to the Military Brigade.
35,016	21 st Dec 1993	Alters the area of the National Park of Itapuã.
35,094	25 th Jan 1994	Internal Regulations of the FUNDEFLO
35,095	25 th Jan 1994	Forest Registration of raw material producers, consumers and merchants.
35,096	25 th Jan 1994	Regulates the Control System of Forest Products Transportation.
35,194	18 th Apr 1994	Regulates the Law N° 10,956/94 that authorizes the amateur hunting in RS.
35,439	18 th Aug 1994	Oblige the maintenance of private forests for consumers of forest raw materials.
35,539	19 th Sep 1994	Regulates the Law N° 10,164/94.
35,595	13 th Oct 1994	Minor correction of Decree 35,439.
35,621	3 rd Nov 1994	Conservation of the "Mata Atlântica".
36,636	3 rd May 1996	Delimitates the "Mata Atlântica" area.
37,345	11 th Apr 1997	Creates the State Station
38,355	1 st Apr 1998	Establishes the basic norms for the native forest resources management in Rio Grande do Sul.
38,543	16 th Apr 1998	Approves the regulation of State Fund of Environment (FEMA).
38,814	26 th Aug 1998	Regulates the State System of Conservation Units (SEUC)

RESOLUTION

Nº	Date	Agency	Content
01	1995	CONSEMA	Approves the Internal Rules of CONSEMA (National Council of Environment).
01	1997	CONSEMA	Recognizes the State Committee of Biosphere Reserve.
03	1998	CONSEMA	Creates the Provisional Technical Council to fix criteria to compensate environmental damages caused by large scale enterprises.

GOVERNMENTAL ORDER

Nº	DATE	CONTENT
05	1990	Refers to the removal of crocodiles from RS by Empresa Contrarégis – Equipamentos de Controle S/A.
18	1 st Dec 1993	Prohibits the introduction of “bagre africano” in natural or artificial environments.

ECO – T – 2 (c)
MUNICIPAL LEGISLATION

MUNICIPAL LEGISLATION

LAWS

Nº	DATE	CONTENT
CAÇAPAVA DO SUL		
33	15 th Sep 1983	Declares immune to cut the region native species.
871	3 rd Jun 1997	Creates the Municipal Council of Environment.
899	13 th Aug 1997	Authorizes the Municipal Executive Power to create the Municipal Fund for the Environment and determine other procedures.
943	28 th Jan 1998	Regulates the Environmental Policy of the Municipal District of Caçapava do Sul.
995	2 nd Jul 1998	Declares immune to cut the existing trees in the urban zone.
1,032	16 th Dec 1998	Regulates the criteria for the exercise of the Municipal Environmental Licensing.
CAMAQUÃ		
005	2 nd Jun 1983	Creates the Municipal Council of Environment Protection – CONDEMA
CANGUÇU		
1,699	17 th Apr 1997	Creates the Municipal Council of Rural and Environmental Development.
1,855	21 st Dec 1998	Creates the Municipal Fund for the Environment Protection – FUNDEMA.
1,856	21 st Dec 1998	Creates the Municipal Council of Environment Protection.
1,860	23 rd Dec 1998	Creates the Municipal System of Environment Protection.
MORRO REDONDO		
248	23 rd Nov 1994	Assures the environment preservation and defines the spaces to be specially protected.
PALMARES DO SUL		
045	29 th Jul 1984	Establishes the Administrative Code of the Municipal District of Palmares do Sul.
753	10 th Mar 1999	Regulates about the Environment Policy of the Municipal District of Palmares do Sul.
PELOTAS		
3,660	6 th Apr 1993	Makes part of the historical patrimony of Pelotas, the Feitoria Island and surroundings.
3,835	21 st Jun 1994	Re-structures the Municipal Council of Environmental Protection – COMPAM, revokes the Municipal Laws no. 2.484 of 30/08/79, 2.772/83 and the Decree no. 1.551/80.
4,336	18 th Dec 1998	Declares the landscaping and ecological value of the Totó Forest, located in the Laranjal and Barro Duro Bathing Sites.
4,340	7 th Jan 1999	Regulates about the minimum vegetal coverage in the margins of hydric springs.
4,346	20 th Jan 1999	Creates the licensing tax on effective or potentially environmentally harmful activities.
4,392	5 th Jul 1999	Declares as eco-tourism interest area the Margin of the Patos Lagoon in the Municipal District of Pelotas in the terms of the article 258 of the Municipal Organic Law.
RIO GRANDE		
3,354	26 th Mar 1979	Considers for permanent preservation the dunes existing in the Cassino beach.
SANTA VITÓRIA DO PALMAR		
1,839	22 nd Mar 1984	Creates the Municipal Council of Environment Protection – CONDEMA.
2,708	29 th Aug 1995	Creates the Municipal Council of Environment.
SÃO JOSÉ DO NORTE		
007	10 th May 1996	Creates the Sanctuary of Wild Life of the East Pier of the Rio Grande Harbor Entrance.

DECREE

Nº	DATE	CONTENT
CAÇAPAVA DO SUL		
897	18 th Mar 1998	Approves the Internal Regiment of the Municipal Council of Environment – CMMA, created by the Law no. 871 of June 3 rd , 1998.

RESOLUTION

Nº	Date	Agency	Content
PELOTAS			
03	11 th Aug 1997	COMPAM	Establishes that the extension of the Pavão Square is planted with native species trees, according the Municipal Organic Law (article 268).

ECO – T – 3

**ORGANIZATIONS THAT CAN CONTRIBUTE FOR
THE ECOSYSTEM STUDY**

Example of Organizations that can Contribute for the Ecosystem Study

No	Institution	e-mail
NGOs		
Porto Alegre		
1	Associação de Proteção às Matas Ripárias (APAMAR) (Association for Protection of "Matas Ripárias")	
2	Associação Gaúcha de Proteção ao Ambiente Natural (AGAPAN) (Association of RS for Protection of Natural Environment)	agapan@ax.apc.org.br
3	Comissão de Luta pela Efetivação do Parque Estadual de Itapuã (CLEPEI) (Commission to Establish the Itapuã State Park)	clepei@poa-metrix.com.br
4	Núcleo Amigos da Terra Brasil (NAT) (Nucleus of Friends of Brazil Land)	foebr@cpovo.net
Camaquã		
5	Associação Ambiental Costa Doce (COSTA DOCE) (Environmental Association "Costa Doce")	azambuja@camaquanet.com.br
Tapes		
6	Associação Ecológica AGUAPÉ (AGUAPE) (Ecological Association AGUAPÉ)	-
Rio Grande		
7	Associação Riograndina de Proteção aos Animais (ARGIPA) (Association of RS for Protection of Animals)	-
8	Núcleo de Estudos do Meio Ambiente (NEMA) (Study Nucleus of Environmen)	-
Pelotas		
9	Centro de Estudos Ambientais (CEA) (Study Center of Environment)	ceapel@uol.com.vr
10	Grupo Especial de Estudos e Proteção do Ambiente Aquático (GEEPAA) Special Group for Studies and Protection of the Aquatic Environment	geepaa@nutecnet.com.br
Viamão		
11	Grupo Ecológico Viamão (GEV) (Ecological Group of Viamão)	-
Santa Vitória do Palmar		
12	Sociedade de Defesa do Meio Ambiente de Sta Vitória do Palmar (ECO-PALMAR) (Defense Society of the Environment in Sta Vitória do Palmar)	-
Administration and Research Organizations		
Porto Alegre		
1	Assembléia Permanente de Entidades em Defesa do Meio Ambiente do RS (APEDEMA/RS) (Permanent Assembly of Entities for Defense of the RS Environment)	-
2	Associação Brasileira de Engenharia Sanitária e Ambiental (ABES/RS) Brazilian Association of Sanitary and Environmental Engineering)	abgl@netmarket.com.br
3	Batalhão de Polícia Ambiental (BPA) (Battalion of Environmental Police)	-
4	Departamento de Recursos Naturais Renováveis (DRNR/SEMA) (Department of Renewable Natural Resources)	-
5	Fundação Estadual de Pesquisas Agropecuárias (FEPAGRO) (State Foundation of Agriculture Researches)	-
6	Fundação Estadual de Proteção Ambiental Henrique Roessler (FEPAM) (State Foundation of Environmental Protection "Henrique Roessler")	fepam@fepam.rs.gov.br
7	Fundação Zoobotânica do Estado do RS (FZB) (Zoo-botanic Foundation of RS State)	-
8	Instituto Brasileiro de Meio Ambiente (IBAMA/RS) (Brazilian Institute of Environment)	-

9	Pontificia Universidade Católica do RS (PUC/RS) (Pontifical Catholic University of RS)	-
10	Universidade Federal do RS (UFRGS) (Federal University of RS)	-
11	Conselho de Dirigentes Municipais de Meio Ambiente do RS (CONDIMMA/RS) (Municipal Manager Council of Environment of RS)	
12	Secretaria de Coordenação e Planejamento (SCP) (Secretariat of Coordination and Planning)	
Pelotas		
13	Agencia Lagoa Mirim (Mirim Lake Agency)	-
14	Conselho Municipal de Proteção Ambiental (COPAM) (Municipal Council of Environmental Protection)	arq.proj@arq.proj.com.br
15	Universidade Católica de Pelotas (UCPEL) (Catholic University of Pelotas)	-
16	Universidade Federal de Pelotas (UFPEL) (Federal University of Pelotas)	-
Amaral Ferrador		
17	Comissão Provisória da Bacia Hidrográfica do Camaquã (Provisory Commission of the Hydrographic Basin of Camaquã)	-
Palmares do Sul		
18	Comissão Provisória da Bacia Hidrográfica do Litoral Médio (Provisory Commission of the Hydrographic Basim of Medium Littoral)	-
Santa Vitória do Palmar		
19	Comissão Provisória da Bacia Hidrográfica Mirim-São Gonçalo (Provisory Commission of the Hydrographic Basin of Mirim-São Gonçalo)	-
Rio Grande		
20	Conselho Municipal de Defesa do Meio Ambiente (CONDEMA) (Municipal Council of Environmental Defense)	-
21	Fundação Universidade de Rio Grande (FURG) (Foundation University of Rio Grande)	-
São Leopoldo		
22	Universidade do Vale do Rio dos Sinos (UNISINOS) (University of the Sinos River Valley)	david@helious.unisinos.br
Canoas		
23	Universidade Luterana do Brasil (ULBRA) (Lutheran University of Brazil)	-

There are many other organizations that have collaborative potentials.