



MINISTERIO DEL
AMBIENTE

Developing a legal framework for the protection of agrobiodiversity zones in Peru

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Dirección General de Diversidad Biológica
Ministerio del Ambiente



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- **Peru, domestication center for:**



181 sp of native plants : 174 andean, amazonic and coastal origin; 7 came from other places in America, centuries ago.

Potatoes: 9 domesticated species and over 3 000 varieties.



Chili: 5 domesticated sp

Corn: 36 ecotypes



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Man and Nature: Harmonious dialogue

Modification of landscapes in an
harmonious way:

- Andenes
- Camellones
- River protection



Andean contribution for global food supply



Two of the main food sources for humanity:

Potatoes and corn



A genetic stock used in a sustainable and smart way

But, not only a
contribution for for
global food supply, but
a contribution for
flavor!



Kiwicha
Oca
Papa
Tintín
Poroto
Ajíes
Tarwi
Hierbas medicinales

Olluco
Maca
Mashwa
Sachatomate
Tumbos
Pepino
Aguaymanto

Quinoa
Kañiwa
Hierbas aromáticas
Maní
Sauco
Tomate
Rocoto
Calabaza

Maíces



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How do we protect all these heritage?

- Law on Sustainable Use of Biological Diversity (1997).
- Law on Natural Protected Areas (1997).
- National Strategy on Biological Diversity (2001)
- National Environmental Policy (2009)



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National Environmental Policy: Key policies

- Conservation and sustainable use of natural resources and biodiversity.
- Integral management of environmental quality.
- Environmental governance.
- International environmental commitments.

Natural protected areas national system



CATEGORY	N°	Ha.	% COUNTRY
NATIONAL PARK	12	7'967,119.02	6.20
SANCTUARY NATIONAL	9	317,366.47	0.22
SANCTUARY HISTORIC	4	41,279.38	0.03
NATIONAL RESERVE	13	3'860,181.43	2.89
REFUGE OF WILDLIFE	2	8,591.91	0.01
FOREST OF PROTECTION	6	389,986.99	0.30
LANDSCAPE RESERVE	2	711,818.48	0.55
COMMUNAL RESERVE	8	1'777,466.39	1.36
HUNTING RESERVE (COTO)	2	124,735.00	0.10
RESERVE ZONE	12	3'344,220.21	2.67
TOTAL	70	18'594,909.10	14.51



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Servicio Nacional de Áreas Naturales Protegidas por el Estado

How do we protect what is outside the PA system?



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Objectives of this proposal:

- To promote the use and maintenance of agroecosystems.
- To promote the conservation of native crops and wild relatives.
- Strengthens the traditional knowledge of rural communities, native communities, peasants as well as agricultural associations.

Benefits of the proposal for the establishment of agrobiodiversity zones

- Promotes the register of communal lands.
- Enforces the ownership of the land.
- Promotes traditional management of the lands, respecting traditional knowledge.
- Establish some incentives for the areas recognized as agrobiodiversity zones.



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Potential of Peru in organic products exportation

- 1st organic coffee exporter in the world
- 1st organic banana exporter in the world
- 2nd organic cacao producer in the world
- 7th country in the world that implements organic production systems.



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- Renewable natural resources exports during 2001: US\$9,000'000
- \$250 million for organic products in 2009, and \$125 in biotrade products.
- Growing trend despite the financial crisis in the world.
- USA, EU and Japan are the biggest buyers.
- Share of exportations according regions:
 - Sierra – 68%
 - Selva – 28%
 - Costa – 4%



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Export value on biotrade products as November 2010.

Productos priorizados	2009	A noviembre 2010
	Valor FOB (US\$)	Valor FOB (US\$)
Cochinilla	43,068,276	201,645,009
Tara	25,373,503	41,018,818
Castaña	11,580,893	14,794,177
Achiote	10,359,909	10,391,345
Maiz Gigante del Cusco	9,782,564	9,175,283
Quinoa	7,610,250	13,167,458
Maca	4,817,878	5,901,499
Algarrobo	3,488,876	5,769,129
Kiwicha	1,882,873	1,796,495
Maiz morado	1,686,076	1,661,263
Uña de gato	1,025,711	1,299,859
Sacha inchi	795,357	851,469
Camu camu	663,457	571,259
Lucuma	529,834	595,043
Yacón	351,098	598,894
Sangre de grado	109,668	101,623
Molle	91,620	290,079
Chancapiedra	71,375	90,900
Chirimoya	63,716	141,092
Ratania	61,466	72,870
Aguaymanto	54,105	137,212
Hercampuri	23,540	15,902
Chuchuhuasi	9,677	32,377
Muña	7,568	5,970
Huito	3,852	67,074
Pasuchaca	3,705	9,991
Sauco	97	5,870
TOTAL	123,516,944	310,207,960

