



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



- 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



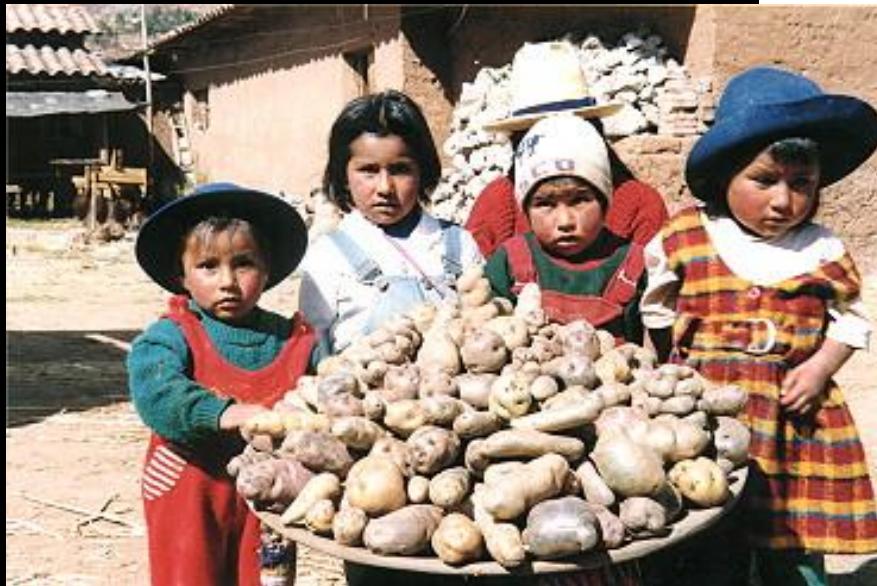


Man and Nature: Harmonious dialogue

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

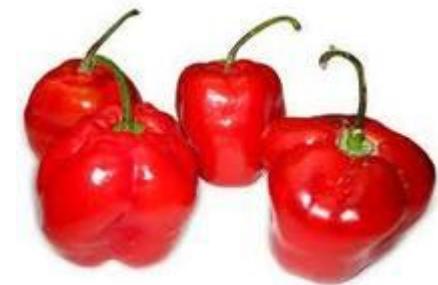


But, not only a contribution for global food supply, but a contribution for flavor!



A genetic stock used in a sustainable and smart way

| | | |
|--------|---------------------|--------------------|
| | Kiwicha | Quinua |
| Oca | Olluco | Kañiwa |
| Papa | Maca | Maíces |
| | Tintín | Hierbas aromáticas |
| Poroto | Mashwa | Maní |
| | Sachatomate | Sauco |
| Ajíes | Tumbos | Tomate |
| | Pepino | Rocoto |
| Tarwi | Aguaymanto | Calabaza |
| | Hierbas medicinales | |



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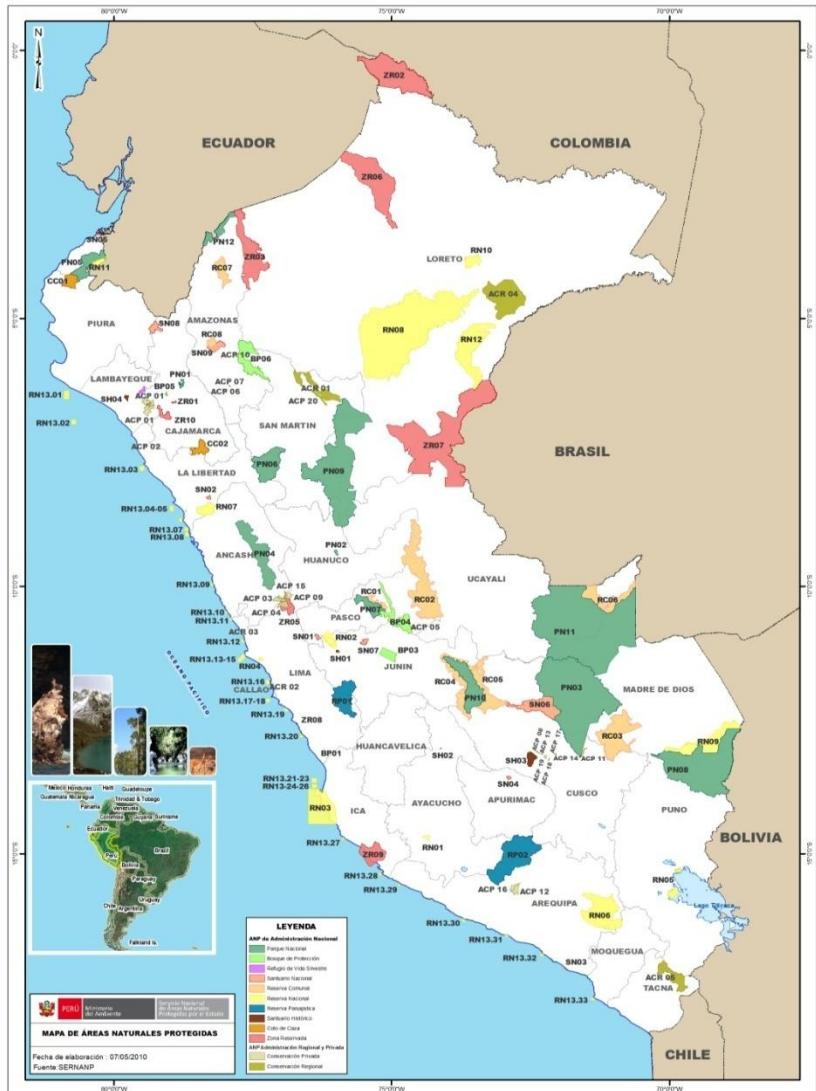
How do we protect all these heritage?

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

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?



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.

Potential of Peru in organic products exportation

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

- 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 exports according regions:
 - Sierra – 68%
 - Selva – 28%
 - Costa – 4%

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 |
| Maíz Gigante del Cusco | 9,782,564 | 9,175,283 |
| Quinua | 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 |
| Maíz 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 |

Fuente: SIICEX (a noviembre del 2010 y 2009)

