



Asia-Pacific
Economic Cooperation

2006/HRDWG/SYM/019

Agenda Item: 18

Open Source and Open Course for E- Learning on Basic Education

Purpose: Information

Submitted by: Peru



**APEC Symposium on Open Source
and Open Course for E-Learning
Ha Noi, Viet Nam
4 - 6 December 2006**



Open Source and Open Course for E- Learning on Basic Education

Huascarán Project
Ministry of Education
PERU


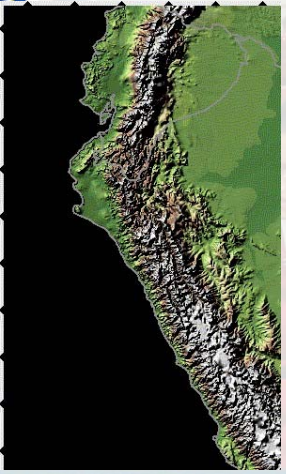



Facts & Figures



- Area: 1.3 million km²
- Population: 28 million inhabitants
- Capital : Lima (8 million inhabitants)
- Currency : Nuevo Sol
- Religion: Christian
- GDP 2005: US\$ 78.3 billions
- GDP per capita: US\$ 2,900

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Facts & Figures

SURFACE: 1.3 million km²

The third largest country in South America (slightly smaller than Alaska)

- 10% Deserted coast
- 30% High mountains
- 60% Tropical rain forest (jungle)

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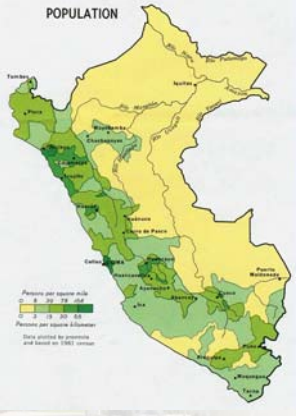


Facts & Figures



65% live in urban areas (17.5 millions) and the remaining 35% (9.5 millones) live in rural areas.

The highest poverty indexes correspond to rural areas, mainly located in the highlands and the amazon.

The average annual family income in the rural areas is in the range of US\$ 300-1,500.




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Facts & Figures

Natural resources:

- Copper, Silver, Gold, Iron ore
- Petroleum
- Timber, Fish, Coal
- Phosphate
- Hydropower, Natural gas



ECONOMIC ACTIVITY

AGRICULTURE

- Highland agriculture
- Highland irrigated valley
- Cultivated valley (barrier, valley, river, plateau)
- Coffee

MINING

- Cu (Copper)
- Ag (Silver)
- Pb (Lead)
- Zn (Zinc)
- Fe (Iron)

INDUSTRY

- Sugar refinery
- Chemical plant
- Food processing
- Textile mill
- Power plant
- Manufacturing plant (mechanical, electrical, metal, wood, etc.)

ENERGY

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Huascarán Project

General Objective

To improve the quality of education, through invigoration the CIT services and their pedagogic advantage on the part of the students and teachers, in the mark of a cross-cultural and bilingual politics.

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Huascarán Project

Specific Objectives

- To assist with contributions pertinent facilitators to the educational institutions with problems of pedagogic advantage the CIT.
- To consolidate Huascarán Project like a generator of a sustained process integration of CIT in the Education.
- To propitiate environments development of the technologies of information and communication like support of the process of teaching-learning
- To strengthen the mechanisms of institutional administration

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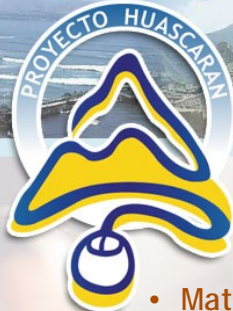





www.huascarán.edu.pe

The National Portal for Basic Education

- Full member of RELPE
- 14,000 registered users
- 13,000 daily visits
- 800 incorporated production equipment
- 5,702 contents for educational purposes in total

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Software for the educational material production.

- Materials of ejercitación and review, with Ardora and CLIC
- Conceptual maps through CMAP Tools and FreeMind
- You register electronic, through CO-CITER
- Develop of educational activities, with eXe
- Virtual courses with Moodle
- The development is impelled of WEBQUESTS

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Production of educational material

They have been elaborated 25 CD of summary of material educational, among them:

- 3 CD of educational training with versions for each type of training
- CD of Tools CIT, with free educational software.
- 10 CD of the Huascarán video library.
- They have been developed more than 30 interactive modules
- Recently, 15 self-instructive virtual courses have been developed.

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Utilized platform

- The software Moodle is the e-learning platform chosen by Huascarán from 2003
- It provides the tools of communication and adapted administration
- It allows to be installed in the intranet of each educational institution, what allows to develop an own virtual community

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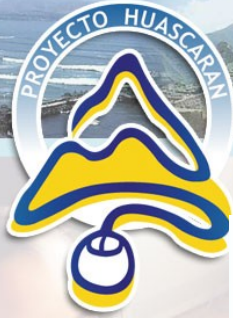







Training


- The formation of Teachers in educational use of CIT in each region it is a strategy it bases on the training Huascarán.
- This generates a base for the sustenaible of the project and a level of standard quality for all the regions.

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Huscaran Profiles

DOCENTES	ESTUDIANTES	COMUNIDAD
Inicial Primaria Secundaria	Para tus tareas Para los pequeños Aprender Jugando	Noticias, asesoría y diálogo sobre el quehacer educativo



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EDIST Virtual Environment



DISTANCE EDUCATION PROJECT

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EDIST Virtual Environment

GENERAL OBJECTIVE

To bring the Open Source and Open Course solutions For Distance Secondary Education Project in rural areas of Peru.



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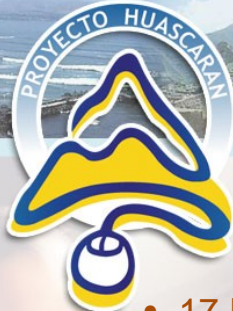





Pedagogic Objectives

- To cover the deficit of educational offer of secondary level in rural areas.
- To contribute to the improvement of the quality of the education secondary in rural areas.
- To qualify educational of rural areas in the new technologies of the information and the communication.




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Distance Education Project 2006

- 17 Regions
- 116 DEPC
- 7,072 Students




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Blended Learning

- Self learning notebook
- The learning book
- The educational video
- The Huascarán TVR Educational Signal
- The computer compact desk
- The EDIST Virtual Environment




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EDIST Virtual Environment 2006

- Customization Moodle v. 1.5.4
- Public information by EDIST
- Five users profiles
- Panel of Utilities
- Module of Communication
- Module of Materials
- Module of Activities
- Checking and Marks



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Huascarán Project Challenges

- Intensive training to the professors as material educational producers
- Invigoration the local capacities for the administration and use of CIT tools.
- To incentivate the participation of the students
- To strengthen the Educational Communities through the intensive advantage of CIT tools.

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