Systemic Reform in a Developing Economy
Perú

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Public Education in Peru

- **45,000+ Schools**
  - 7M students
- **Very low level in key areas: Reading, Math**
  - Not only students
  - Poor teacher training - motivation
- **300,000 public school teachers**
  - Frustrated
  - Underpaid (100% raise did not work)
  - Politically oriented union
- **Poorly coordinated initiatives**
- **2007 major breakthroughs**
  - Census evaluation for teachers
  - OLPC agreement
  - OLPT program
  - “New teacher” development program
  - Integrated learning space concept
Our Response: Strategic Planning not Emergency

• Massive systemic change is the only possible way to make Education a key success factor for development
• Incremental approaches have been too little-too late
• The poverty ecosystem is a constant threat to peace and democracy
• It is possible to reverse the vicious cycle
• 2007-2008 will be key

Better teachers – Better Students – Better Communities
Teachers need to get their dignity back; a better human being will be a better teacher.

Training in out of reach complex tools increases the gap and frustration: slow and costly.

Self development potential in a nurturing environment.

Give teachers the opportunity to shape their (and their children’s) futures is a key success factor.

**XXI Century Teacher Program: one laptop per teacher**

**“New Teacher” Development Program: Long term shift**
Improve Educational Materials: OLPC

Goal: Leading edge educational technology to the poorest
• One laptop per child initiative in primary schools
• Computer labs for secondary schools
• Internet access
• Satellite Educational TV
• Digital texts
• Connectivity
• Opportunities to change the world beginning today

At least 250,000 XO laptops over 2008
XO at a Glance

- **New architecture:** Rugged, Linux based, low power
- **Learning applications:** Low threshold/no ceiling
- **2000 recharge cycles battery**
  - Conventional energy
  - Solar – manual - wind
- **Webcam / Analog input / Mesh / 3 SB**
- **No moving parts, direct sunlight readable**
- **Environment friendly, shock, dust and water resistant**
- **Open price structure**
OLPC – Guiding Principles

- **Ownership:** Laptop as educational material: 24x7
- **Primary:** 6-12
- **Saturation:** Every child and teacher
- **Connected:** Among themselves and to the world
  - 3 tier initiative: Local mesh, Server, Internet access
- **Begin with the poorest; Rural, one classroom schools**
- **Regional initiatives with local funding**
Arahuay, Canta
Arahuay Test Project

• **Pedagogical**
  – Immediate appropriation
  – Easy integration to current style/model
  – Reduction of absenteeism
  – Improved discipline
  – New applications

• **Technical**
  – World leadership

• **Community**
  – 100% coverage
  – Total commitment
  – Model expansion
The Children of Peru

Our reason to dream