

OLPC: Una perspectiva europea

[escuelab, 2010-08-25]

Sorry, the slides are in English...

OLPC//NEWS

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@random_musings



OLPC AUSTRIA



From Austria



Over Nepal



To South America



From Austria

Austrian pilot project



Overview

- One of the very few European pilot projects
- Only Austrian project in grade 1-2
- University of Teacher Education Styria
- All day school
- 25 children, 2 teachers
- Started: grade 1, Now: grade 2
- Cooperation with Graz University of Technology & OLPC (Austria)

18 months later (1)

- Software unstable
- 99,99% reliability is not enough
- Requires significant investment by teachers
- Main use: learning Maths, writing texts, use Internet
- Parents are happy 😊

18 months later (2)

- Very popular in the first 2 holiday weeks
- Learning to use computers / technology
- Use of XO's has improved significantly
- Attention span: 45min max.
- Printing desired
- Demonstrations on a projector are important!

The future

- Sugar-on-a-Stick?
- On a netbook?
- On an XO-1.5? (unlikely)
- Rethink the project? (after-school maybe)
- Dealing with an MoE can be...

Academia



universität
wien

Implementation of the XO Laptop in Nepal and Peru - A Tale of Two Systems

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Abstract. This paper introduces the structures and processes of implementing the XO laptop of the One Laptop per Child program in Nepal and Peru. It analyses the two systems based on a set of criteria previously identified as being required for the successful implementation of 1-to-1 Computing in Education initiatives. It looks at the challenges encountered and compares the different approaches taken to address them in these two countries. The resulting outcomes of these measures are compared.

Keywords: case study, TEL, ICT4D, developing countries, success factor

1 Introduction

Education is essential to sustainable development and economic growth.¹ An increasing number of 1-to-1 Computing in Education initiatives in developing countries draw attention to research to discover the impact of ICT on pupils' learning and social life.

In times of the *information society* development of *new competencies* of students has to be focused and addressed by the curricula. The information society brings along the concept of life-long learning that is developing the capacity of *learning to learn* [1]. Key skills of this movement are digital literacy and higher order skills such as teamwork and problem solving [2]. To develop the new skills Information and Communication Technology (ICT) integration in the curricula of countries has to be

DIPLOMARBEIT

Titel der Diplomarbeit

One Laptop Per Child

Diskursanalytische Betrachtungen eines
Entwicklungsprojekts

Verfasserin

Sarah Funk

Communication





OLPC AUSTRIA

Community



ReckonPrimer Aktivität

Gemein

$6 + (4 + _) = 1_$
 $6 + (4 + 4) = 1_$
 $6 + 8 = 1_$
 $6 + 8 = 14$
 $6 + (4 + _) = 1_$
 $6 + (4 + 5) = 1_$
 $6 + 9 = 15$
 $6 + (4 + _) = 1_$

6 + 7 = 1 _

4 + |

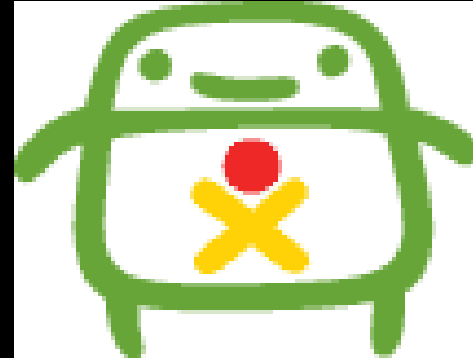
Kaleidoscope

Welcome! This is my first
release of the Kaleidoscope.





OLPC Austria
(www.olpc.at)



OLPC Deutschland
(www.olpc-deutschland.de)



OLPC France
(www.olpc-france.org)



OLPC Switzerland
(www.olpc.ch)



OLPC SF

(wiki.laptop.org/go/OLPC_SanFranciscoBayArea)

OLPC Learning Club DC

Open Learning Club DC

(<http://olpclearningclub.org/>)

...and many more.

Vienna 2007



Washington, D.C. 2007



Washington, D.C. 2008



Brussels 2008



Brussels 2009



Paris 2009



Carribean 2010



What's been done

- Translating software and documentation into French, German, etc.
- Testing software
- Writing learning activities
- Running pilot projects
- Working on wireless networks
- Spreading the word
- ...

What needs to be done

- Teachers
- Technologists
 - Software testing, software writing, package maintaining, networking stuff, etc.
- Twitterers
- -> Even if you don't care about education, politics and development: There's lots of interesting technical challenges to be solved!
;-)

To develop educational tools in
the form of open technologies,
platforms, software and content
for (not only) developing
countries.



Over Nepal

Case Study: Nepal



Source: en.wikipedia.org/wiki/File:Nepal-CIA_WFB_Map.png

Nepal



- 28 million inhabitants
- ~€30 average monthly income
- Less than 50% literacy
- HDI: 0,534 (rank 144 of 182)
- Load shedding

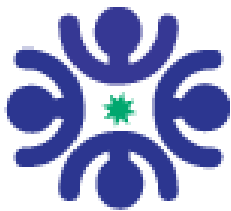
Primary education spending

country	population (age 0-15)	spending on primary education	education spending per 0-15 population
Austria	1 million	\$ 3759 million	\$ 2864 (?)
Nepal	10 million	\$ 674 million	\$ 68
Peru	9 million	\$ 1847 million	\$ 205
Rwanda	4 million	\$ 141 million	\$ 38
USA	63 million	\$ 217.494 million	\$ 3460

OLE Nepal



- Founded 2007
- 35 employees
- Close collaboration with Ministry of Education
- Supported by Danish IT Society



Open Learning Exchange
Universal Basic Education 2015

E-Paath

Interactive learning activities

subjects: English, Mathematics, Nepali

grades: 2, 3, 6

inkl. *Teacher's Note and Lesson Plan*

Technology: Flash

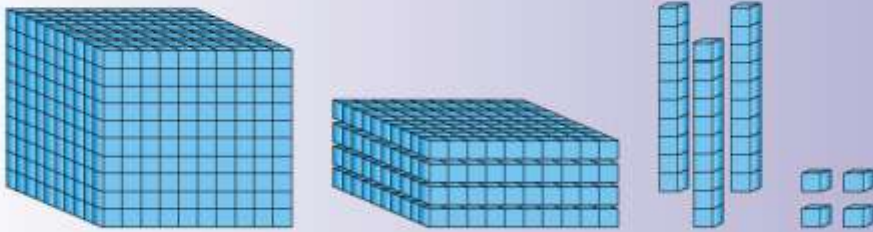
E-Paath

ठूला सङ्ख्याहरूको जोड

पाठ अभ्यास

1 देखि 1999 सम्मकाका कुनै सङ्ख्या टाईप गर र सङ्ख्या बराबरको घनहरू हेर ।

सङ्ख्या बक्समा लेख



1 2 3

Source: OLE Nepal

E-Pustakalaya



Source: OLE Nepal

Karma

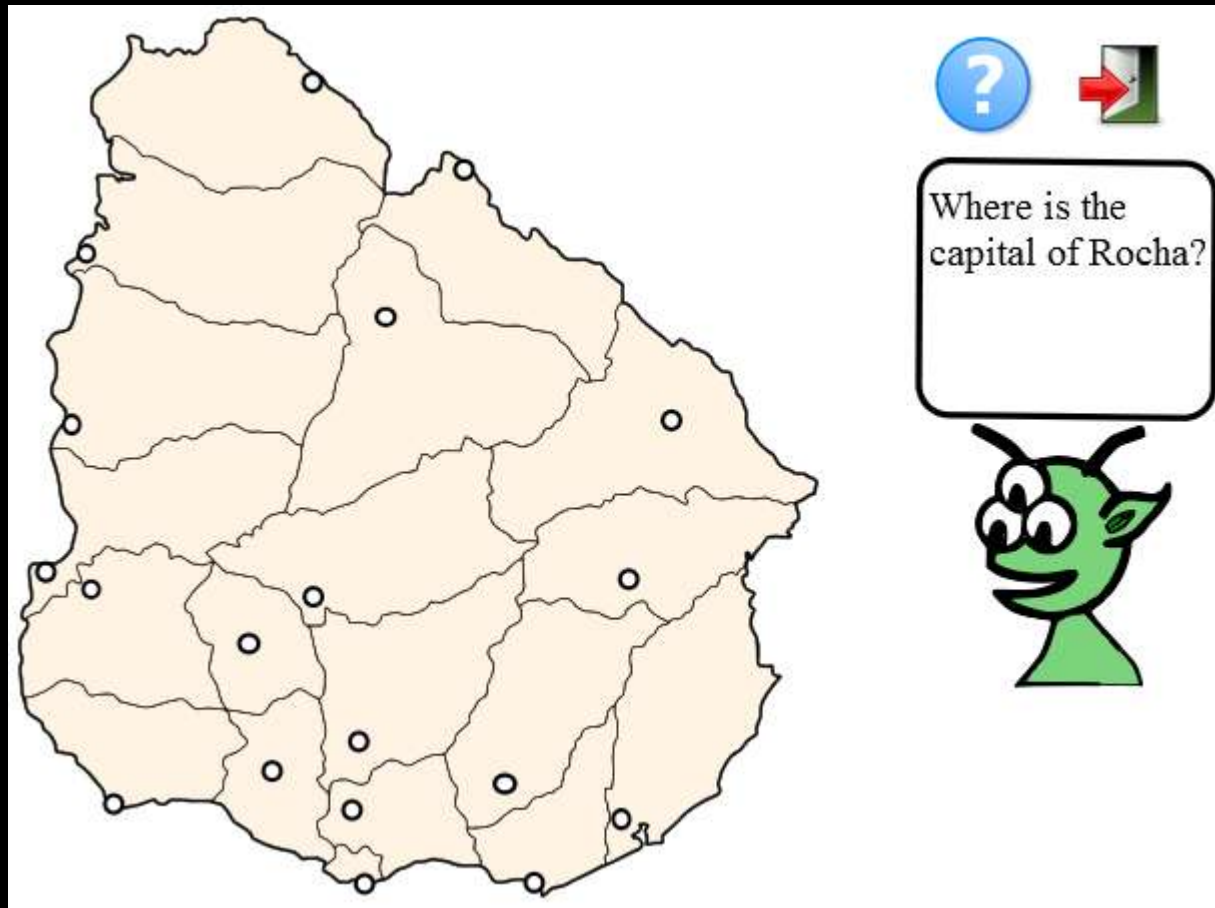
FLOSS toolkit for creating interactive learning activities

HTML 5 + JavaScript

GSoC 2009 sponsored

www.karmaeducation.org

Karma



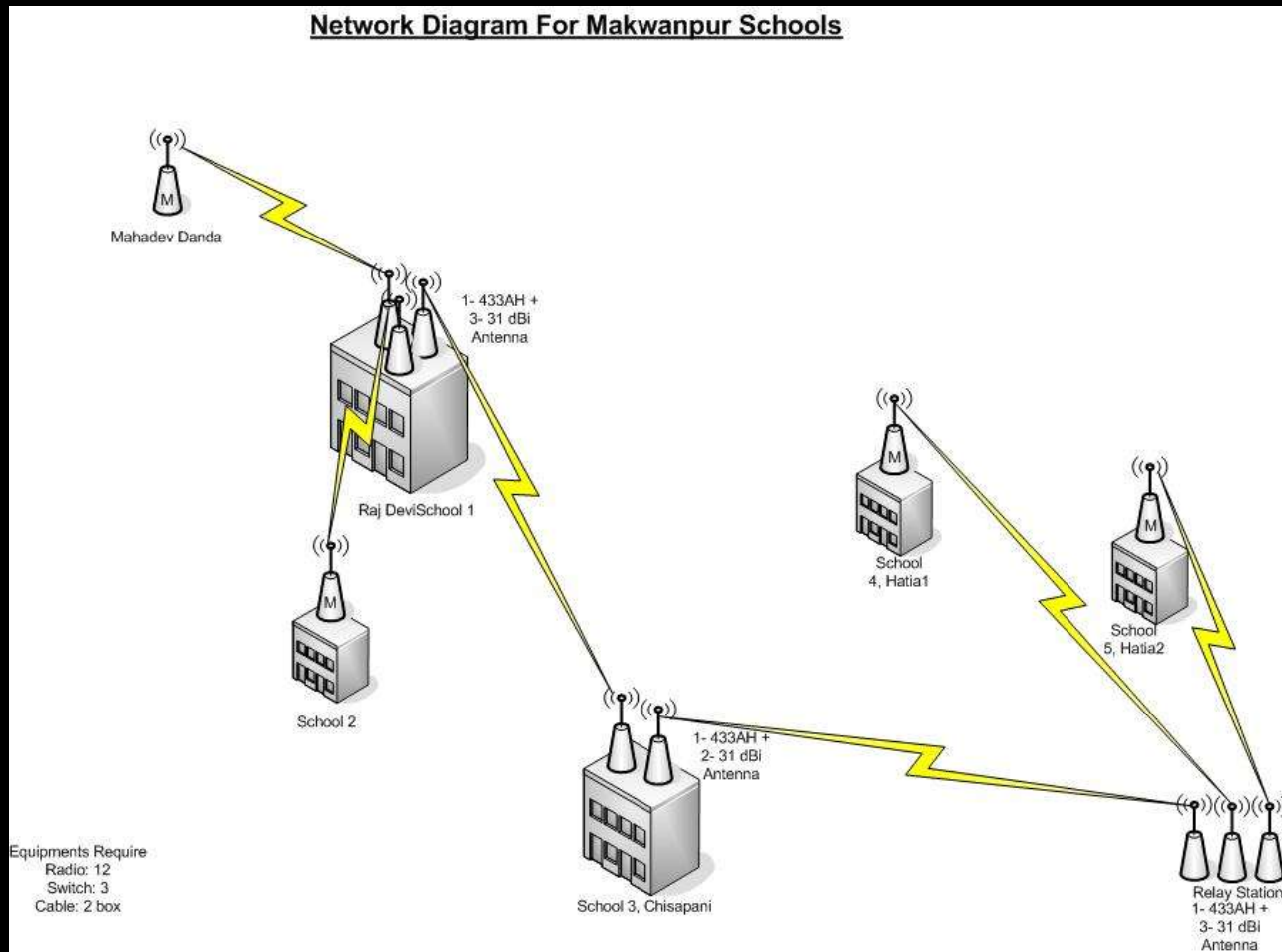
Source: Christoph Derndorfer

Power



Source: Christoph Derndorfer

Connectivity



Source: OLE Nepal

2200 XO's | 26 schools | 6 provinces



Source: Christoph Derndorfer



To South America

Road Trip

Uruguay: July 10 - July 24

Paraguay: July 24 - August 7

Peru: August 7 - August 26

U.S. East Coast: August 26 - September 8

One Computer, Different Approaches

Goals

Organization

Size

Criteria for successful implementations

Criteria for successful implementations

infrastructure (technical, logistical)

maintenance of laptops

contents and materials

teacher training

evaluation

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Further information

www.laptop.org

www.olpc.at

www.sugarlabs.org

www.olpcnews.com

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Uruguay



REGISTRO DE ACTIVIDADES





1. Landscape with rainbow

2. Close-up of tree trunk

3. View through window

4. Person in car

5. Person in car

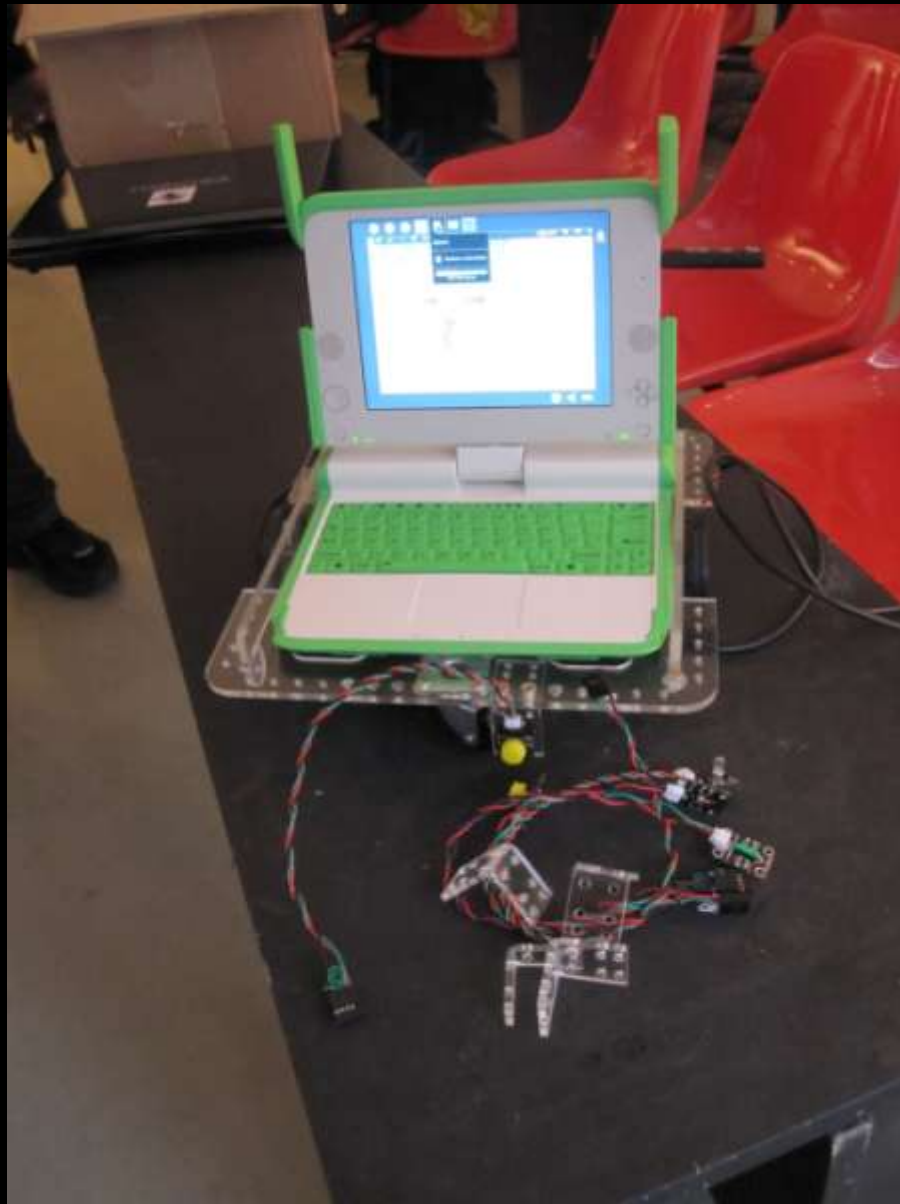
6. Person in car



















Paraguay





Partes de la XO

Teclas	Sirve para
	Para ir al diario
	Vecindario
	Grupo
	Hogar
	Marco de la pantalla



Para bajar o subir el brillo de la pantalla



Para bajar o subir el volumen.

Ctrl C

Copiar

Ctrl V

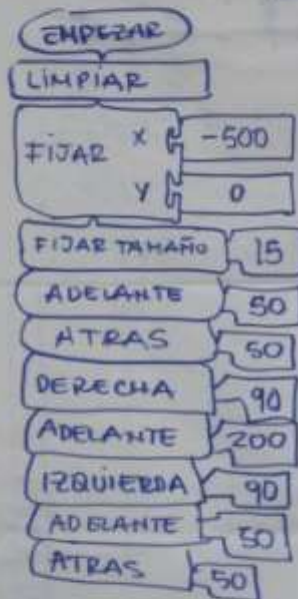
Pegar

Ctrl X

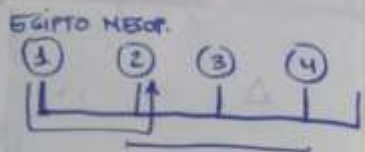
Cortar

alt 1

Para guardar una captura en el diario



EGIPTO → MESOPOTAMIA
GRECIA
IMPERIO ROMANO







Así cuido mi XO

- * Me registro cada mes.
- * No debo golpear.
- * No debo mojar.
- * Llevo cerrado para no romper.
- * Limpio cuidadosamente.
- * Abro y apago por pedido del prof.

Visita "XO che irũ" en
www.ramongui2008.blogspot.com











Peru








Acerca de este XO ✕

Build: update.1 703
Firmware: Q2D16
Serial Number: SHC828013CF

 Aceptar



Actividad Terminada

Actividad

Edit

Dup dor a'az Mubster!
Ciao, bambini di tutto il mondo!
Hallo, Kinder der Welt!
Hello, children of the world!

```
  \_____/
  || o ||
  |.X.|
  // == \\
```

Bonjour, enfants du monde!
¡Hola, chicos del mundo!
Hallo, kinderen van de wereld!
Olá, crianças do mundo!

[olpc@xo-2C-F3-DB ~]\$ ls

Activities isolation Library

[olpc@xo-2C-F3-DB ~]\$ cd Activities/

[olpc@xo-2C-F3-DB Activities]\$ ls

AcousticMeasure.activity	Memorize.activity	TamTamEdit.activity
Analyze.activity	Moon.activity	TamTamJam.activity
Calculate.activity	Paint.activity	TamTamMini.activity
Chat.activity	Pippy.activity	TamTamSynthLab.activity
chess_computer.activity	Read.activity	tangram.activity
ClockActivity.activity	Record.activity	Terminal.activity
Connect.activity	Ruler.activity	TurtleArtwithSensors.activity
Etoys.activity	scalesboard.activity	Watch & Listen.activity
geography.activity	Scratch.activity	Web.activity
ImplodeActivity.activity	SliderPuzzle.activity	Wikipedia.activity
JigsawPuzzle.activity	Speak.activity	Words.activity
Log.activity	StarChart.activity	Write.activity
Maze.activity	StopWatchActivity.activity	XaoS.activity
Measure.activity	sudoku.activity	

[olpc@xo-2C-F3-DB Activities]\$



q |



(*)









Practicar la honradez.
Cumplir con la tarea.
No comer en hora de clase.
Asistir a la escuela bien aseados.
Salir al baño pidiendo permiso.
Cuidar el mobiliario.

Utiliza
No juegues
Escucha
Participa
en las clases.



Junio: Leonardo (28)
Julio: Nuriam (28), Eric
Agosto: Naomi (14)
Septiembre: Lizet (4)
Octubre:
Noviembre: Franklin (8)
Diciembre: Franklin (9)
(14), 10





Further information

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