

# Sharing educational contents: GNU Edu Project

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OFSET

Taiwan, Oct.2009



- 1 Free Software in Education = a Trend
  - A Rush At Free Software
  - A New World?
  - Free Software in Education: France
  - International free software projects
- 2 OFSET
- 3 GNU Edu
  - GNU Edu Features
  - GNU Edu Howtos
  - Free, open and interoperable
  - What skills do you need, to participate?



# Outline

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# A Rush At Free Software: market shares

- Market Shares 450 MEUR in 2007



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- Market Shares 450 MEUR in 2007
- Open source software expenses in France 2005-2010



(Source : Pierre Audoin Consultants : Les logiciels libres, mythes et réalités.)



# A Rush At Free Software: public administrations

Adullact (Not For Profit Association)

- Free Software for Public Administrations



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## Adullact (Not For Profit Association)

- Free Software for Public Administrations
- a forge, communication



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# A Rush At Free Software: public administrations

## Adullact (Not For Profit Association)

- Free Software for Public Administrations
- a forge, communication
- public effort - pay only once!
- hundreds of towns and other official administrations



# A New World?

## After Industrialization: Computerization

- “ Computer science is for computerization analogous to mechanics for mechanization: absolutely necessary, yet not sufficient “ (Michel Volle, Qu’est-ce que l’informatisation ?)



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“ The attention economy that is emerging is radically different from any prior economy, and certainly from the industrial market economy “ (Michael H. Goldhaber)  
Information is not rare any longer, attention is



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- A Deep Change to Economics:  
Products, Employment, Structures, Power ..



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- Person, Family / Enterprise / State



# Free Software in Education: France

AFUL = a French-speaking countries GULL

- Mutual agreement French Education Department - AFUL (1998)

<http://www.aful.org/communiqués/CP-MENRT.html>



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<http://www.aful.org/communiqués/CP-MENRT.html>

- "My University offers me my Microsoft Windows ® License" Campaign

request a refund from "good" computer manufacturers

<http://www.aful.org/communiqués/univ-offers-me-windows>



# Free Software in Education: France

## Free School Servers

- SLIS, Eole, ..





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- Firewall, Proxy, LDAP, Mail ..



# Free Software in Education: France

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- SLIS, Eole, ..
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- “ Almost 100% Linux servers in French Éducation Nationale “ Jean Peyratout, Sept. 2007



# Free Software in Education: France

## SCÉREN - CNDP

- CNDP = French national agency of teacher documentation



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- <http://crdp.ac-paris.fr/IMG/pdf/snpden1.pdf> (in French, 4 pages)



# Free Software in Education: France

## Numerous Not For Profit Associations

- ABUL – free software distribution for schools “Abuledu”



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- APRIL – teaching computing at school



## International free software projects

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  - SEUL/Edu 1998
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  - Hosting Educational Projects & Documentation
  - 14 members - Asia, New Zealand, Greece .. and SugarLabs



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  - 43 languages



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- OFSET
  - 2000 Taipei Hilaire Fernandes
  - ≈ 200 members, ≈ 10 countries



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- GNU Edu, for cataloging educational resources



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# GNU Edu Principles

GNU Edu, for cataloging and indexing education resources

- enrich a document with metadata



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- landmark with skills/competencies



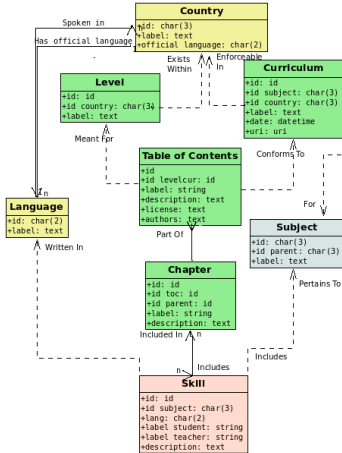
# GNU Edu Principles

GNU Edu, for cataloging and indexing education resources

- enrich a document with metadata
- landmark with skills/competencies
- localized search
  - language
  - country, educational system
  - curriculum



# GNU Edu: localization



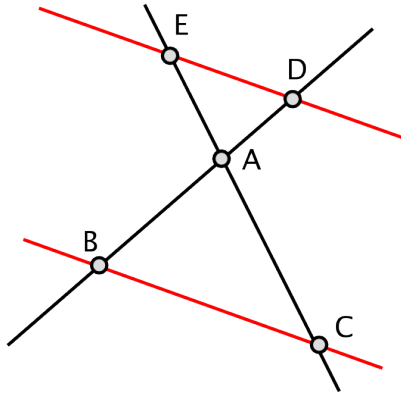
# GNU Edu Skills

Keyword is not enough



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- Thales in France



# GNU Edu Skills

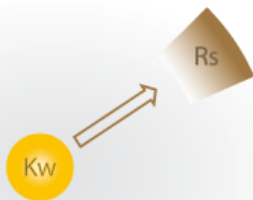
Keyword is not enough

- Thales in Germany



# GNU Edu localized search

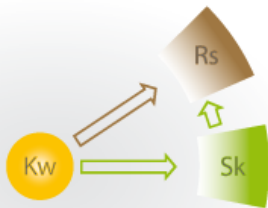
Direct search by keyword (plain text)





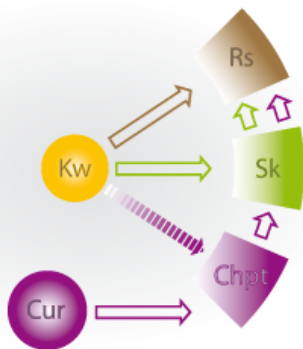
# GNU Edu localized search

## By Skill



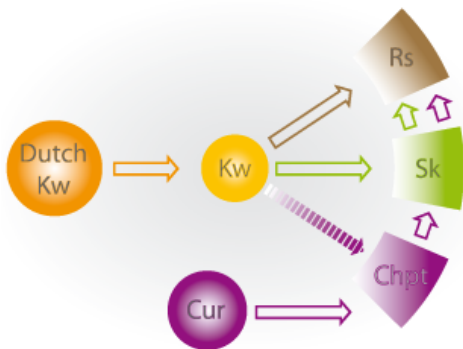
# GNU Edu localized search

By curriculum



# GNU Edu localized search

## Localized Search, by keyword



# GNU Edu Howtos

How to

- look for a document



# GNU Edu Howtos

## How to

- look for a document
- add your own material



# GNU Edu Howtos

## How to

- look for a document
- add your own material
- translate keywords or proof read existing translations  
/keywords.php



# Freedom and Openness: license & format

## Free and Open

- → only free document license



# Freedom and Openness: license & format

## Free and Open

- → only free document license
  - cc-by-sa vs cc-by-nc





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## Free and Open

- → only free document license
  - cc-by-sa vs cc-by-nc
- → only open contents



# Freedom and Openness: license & format

## Free and Open

- → only free document license
  - cc-by-sa vs cc-by-nc
- → only open contents
  - editable? need source file



# Interoperability: contents & metadata

## Interoperable

- contents: file format, required software



# Interoperability: contents & metadata

## Interoperable

- contents: file format, required software
- metadata interoperability



# Interoperability: contents & metadata

## Interoperable

- contents: file format, required software
- metadata interoperability
  - Import/export
  - Open Standards
  - Example: GNU Edu & Intergeo



# What skills do you need, to participate?

- Test software, reports bugs



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- Upload your own resources



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- develop: Python + SQL + XML

