



The new  
**Rolex Learning Center**  
at

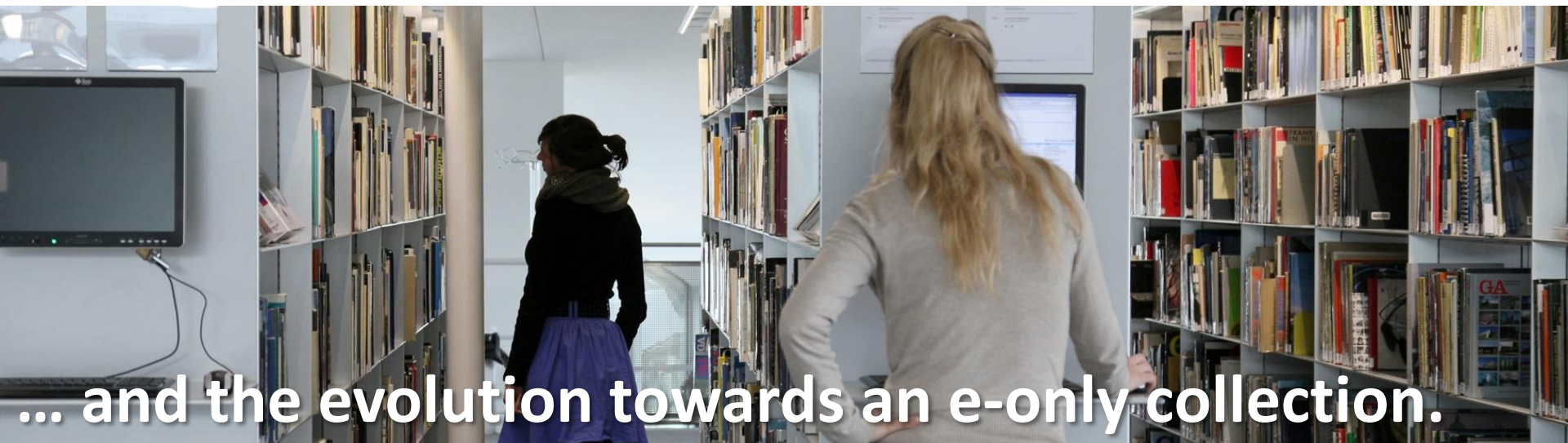


A new building for  
a new vision in « collection development »

[Thomas Guignard@epfl.ch](mailto:Thomas.Guignard@epfl.ch)  
Head of Collection Development  
and Academic Support, EPFL Library

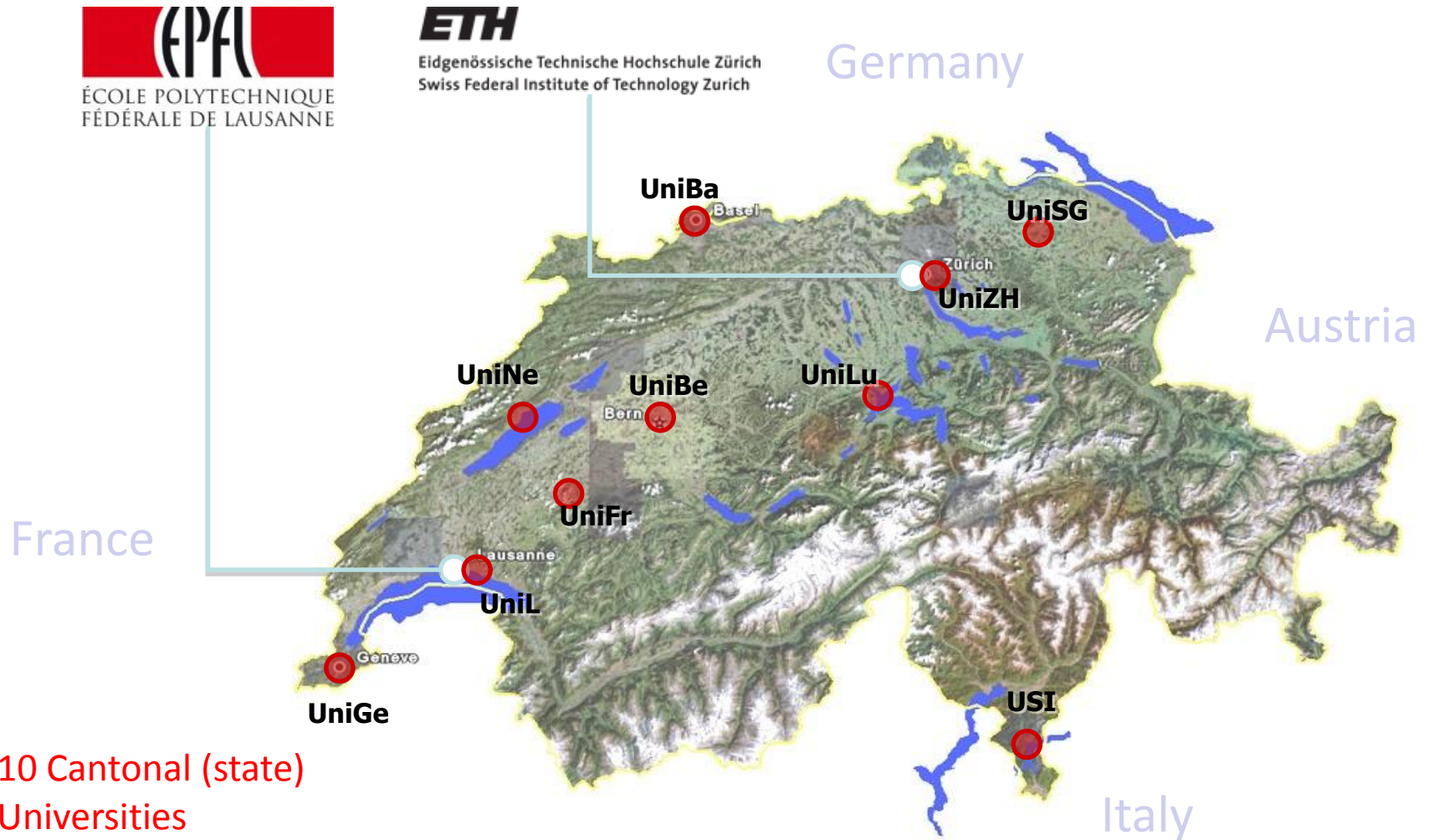
12th Fiesole Collection Development Retreat  
Leuven, April 10, 2010

# Contents



# Who we are

## 2 Swiss Federal Institutes of Technology

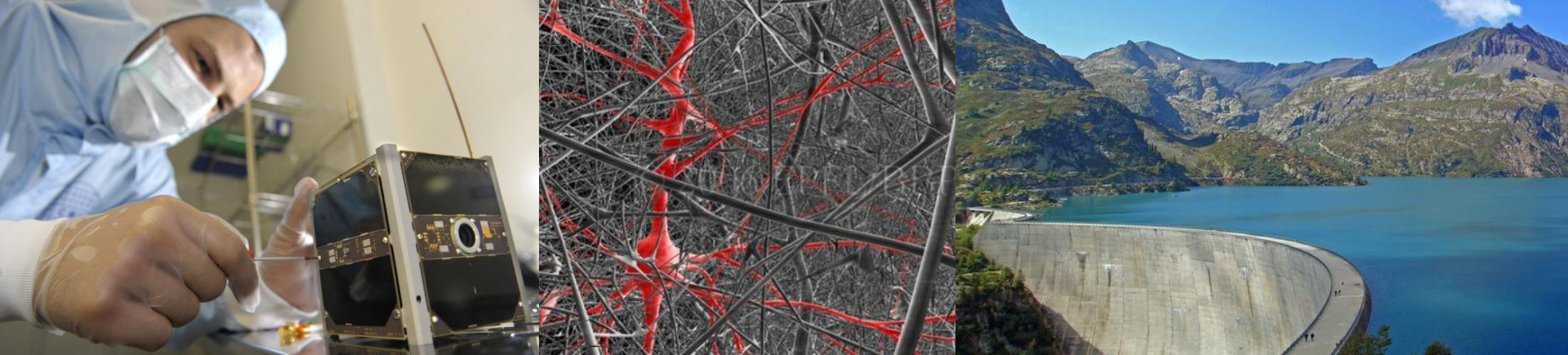


10 Cantonal (state)  
Universities

+ several local institutes of higher learning (HES)

# A local campus... gone global !

5'000 Ba+Ma students – 1'600 PhDs – 270 professors – 3'500 staff

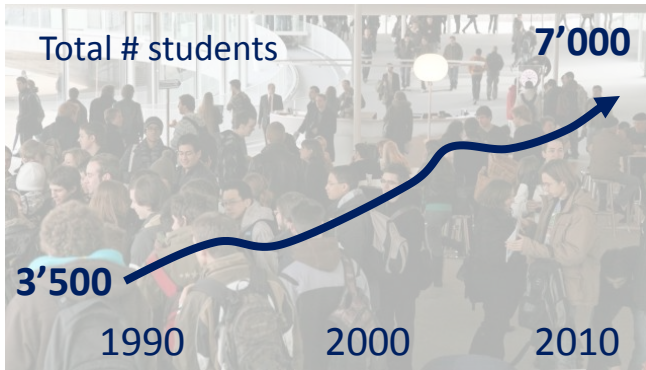


112 nationalities – 60% faculty from abroad – 40% foreign students



300 M€ funding + 100 M€ grants & contracts

# An ever-expanding campus



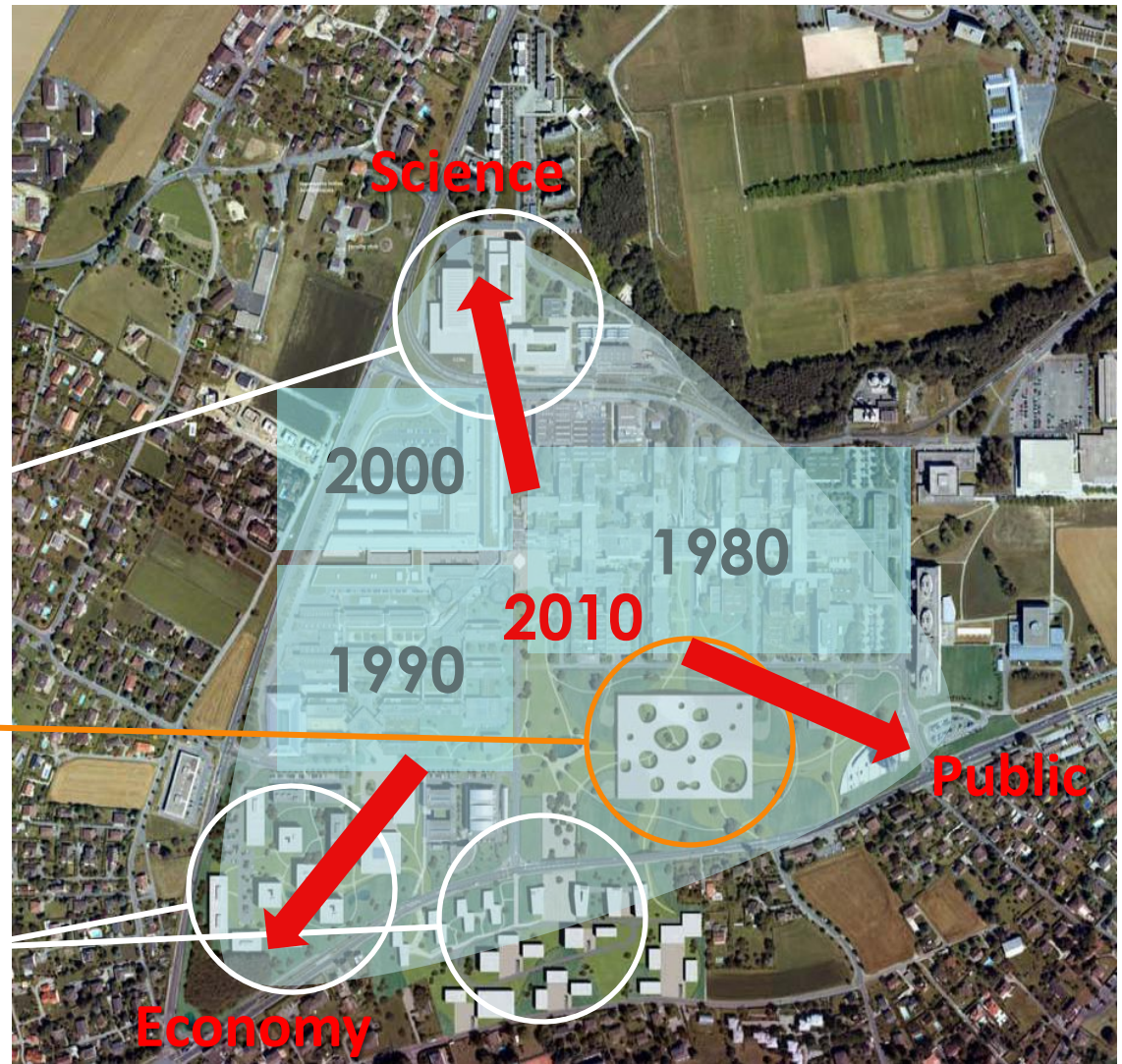
Conference centre (2012)



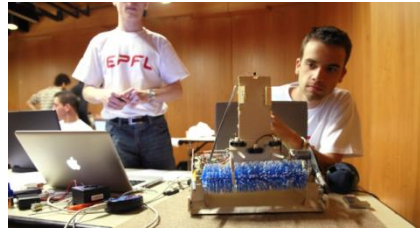
Rolex Learning Center (2010)



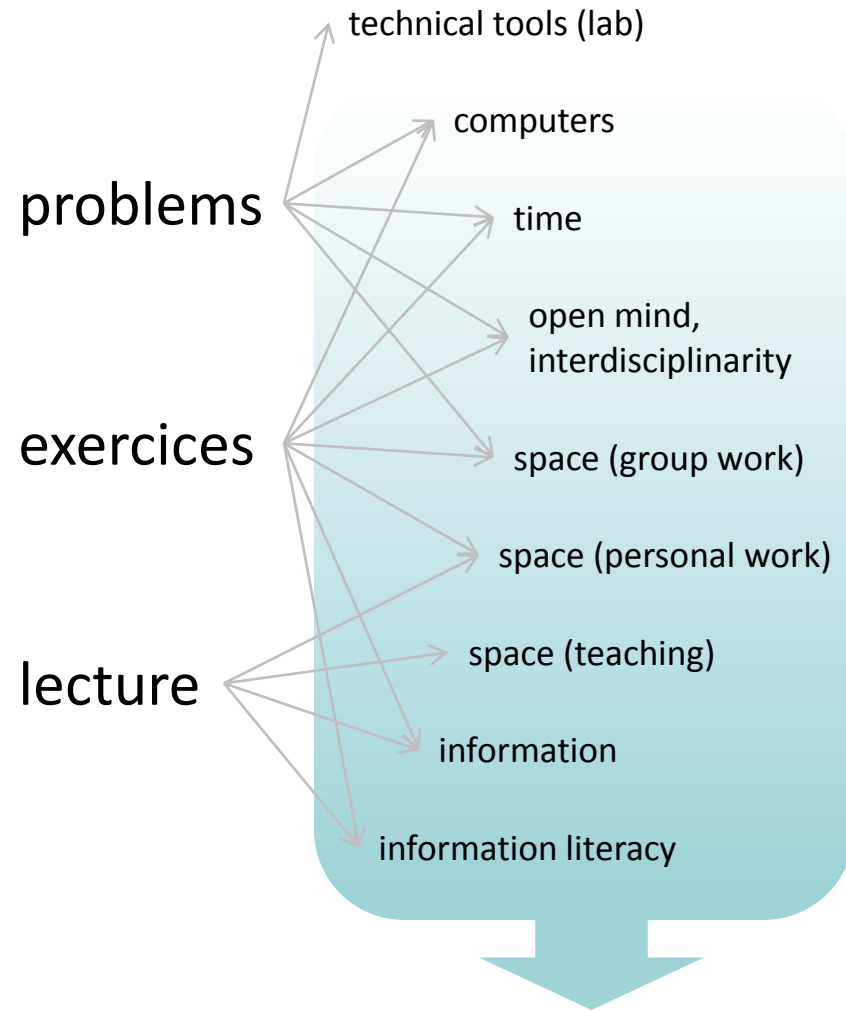
Business centre, hotel, housing...



# Teaching models evolve: the Bologna Equation



1 credit =  
30 hours student work



# Libraries evolve: Learning Centres, Information Commons ...

**Sheffield Hallam University**  
SHARPENS YOUR THINKING

Home Courses University Sheffield News Events Service

**Learning centres**

We have a learning centre each can choice of study spaces for individual learning. You can book group study/ in advance. There's also somewhere and take a break from your studies.

In our learning centres you'll be able to:

- academic library resources
- electronic information resources

**Our Services**

- Support Services
- The Base

- Search this site
- Contacts & Maps
- University Prospectus

**The University Of Sheffield**

Information Commons

Study at Sheffield For Current Students For Staff Our Research Departments & Services Useful Links News & Events

You are here: Home / Departments / Information Commons / Visitors

Home Information for Student Information for Staff Information for Visitors News and Events

What do you think of new site? Updated Ju

**Faciliteiten**

- Centraal Informatie Centrum
- hogeschoolkrant Punt
- restaurant
- Xplora
- boeken/dictaten
- computers
- Eduroam draadloos internet
- werkplekken
- winkel
- begeleiding
- studen met functiebeperking
- aankomende studenten

> Avans Hogeschool, HBO Opleidingen > Opleidingen > Faciliteiten > Xplora

**Xplora**

Xplora is een onderdeel van het eigentijdse onderwijsconcept van Avans Hogeschool. Het ontwikkelen van competenties staat daarbij centraal. Daarom biedt Xplora de student moderne faciliteiten, zoals:

- supersnelle pc's met toegang tot: hogeschoolnetwerk (ook draadloos), applicaties, elektronische leeromgeving (blackboard) en internet
- werkplekken (reserveerbaar via een online reserveersysteem): individueel, groepen, vergaderruimten, stilteplekken, voorzieningen voor mindervaliden
- informatie: fysiek (boeken, tijdschriften, cd-roms etc.) en digitaal (internet en speciale databanken)
- multimedievoorzieningen, zoals o.a. een televisie-opnamestudio
- randvoorzieningen: kopieerapparaten, plotters, scanners, printers, whiteboards, smartboards etc.
- ontmoetingsplekken: aantrekkelijke gebouwen met leestafels, meeting points, koffiecorners en een internetcafé

**Xplora**

## Transforming learning experiences

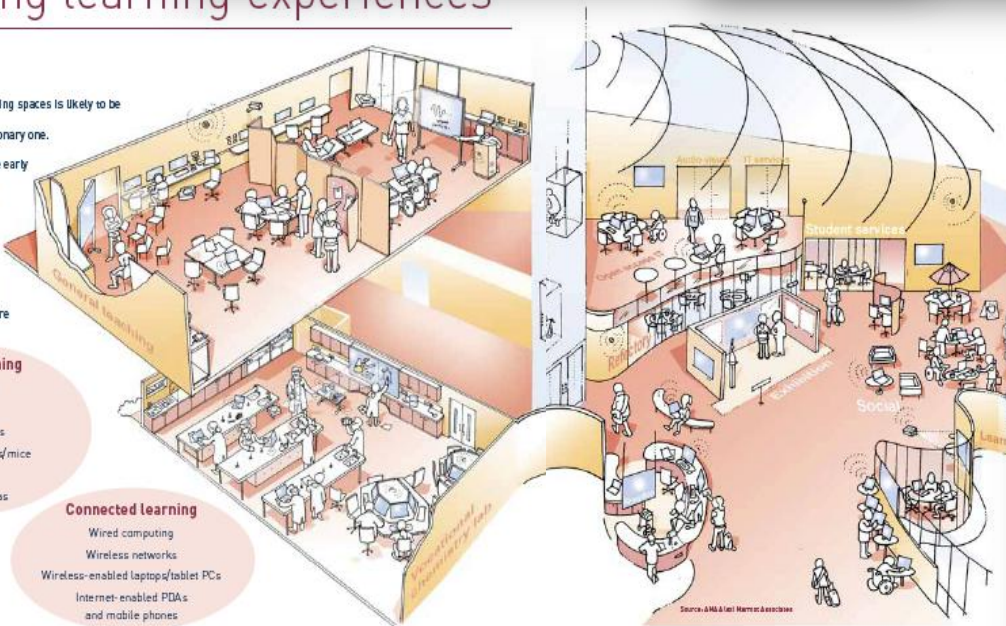
Embedding technology into learning and teaching spaces is likely to be an evolutionary process rather than a revolutionary one. Considering technological requirements at the early stages of planning will ensure that maximum benefit can be obtained from the investment. Start by establishing your pedagogic aims, then review the design and the technological infrastructure in the whole institution, to ensure that your aims can be achieved.

### Mobile learning

- Tablet PCs
- Laptops
- Mobile phones
- Wireless keyboard/mice
- PDA's
- Digital cameras

### Connected learning

- Wired computing
- Wireless networks
- Wireless-enabled laptop/tablet PCs
- Internet-enabled PDA's and mobile phones



### Visual and interactive learning

- Video conferencing
- Video streaming
- Image projection
- Interactive whiteboards
- Voting devices

### Supported learning

- Assistive technologies
- Accessible USB ports
- Audio-visual prompts
- Video recording facilities

**JISC**

**Designing Spaces for Effective Learning**  
A guide to 21st century learning space design

# Functional Program

teaching space

working space  
(830 seats)

## LIBRARY

Collections  
Ba + general public

Collections  
Ma + research level

library offices

main desk

space for  
group work

newspapers

rare books



# Functional Program

teaching space

student + alumni  
associations

career centre

bookshop

bank

newspapers

working space  
(830 seats)

## LIBRARY

main desk

Collections  
Ba + general public

rare books

Collections  
Ma + research level

library offices

## OFFICES

PPUR  
EPFL Press

CRAFT

space for  
group work

## SERVICES

# Functional Program

teaching space

student + alumni  
associations

career centre

bookshop

bank

newspapers

café

self-service restaurant

working space  
(830 seats)

## LIBRARY

main desk

Collections  
Ba + general public

rare books

## CATERING

restaurant

Collections  
Ma + research level

library offices

## OFFICES

PPUR  
EPFL Press

CRAFT

space for  
group work

# Functional Program

teaching space

student + alumni  
associations

career centre

bookshop

bank

**MULTI-PURPOSE  
HALL**

working space  
(830 seats)

## **LIBRARY**

**MAIN  
ENTRANCE**

welcome desk

newspapers

café

## **CATERING**

self-service restaurant

main desk

Collections  
Ba + general public

rare books

exhibitions

restaurant

Collections  
Ma + research level

library offices

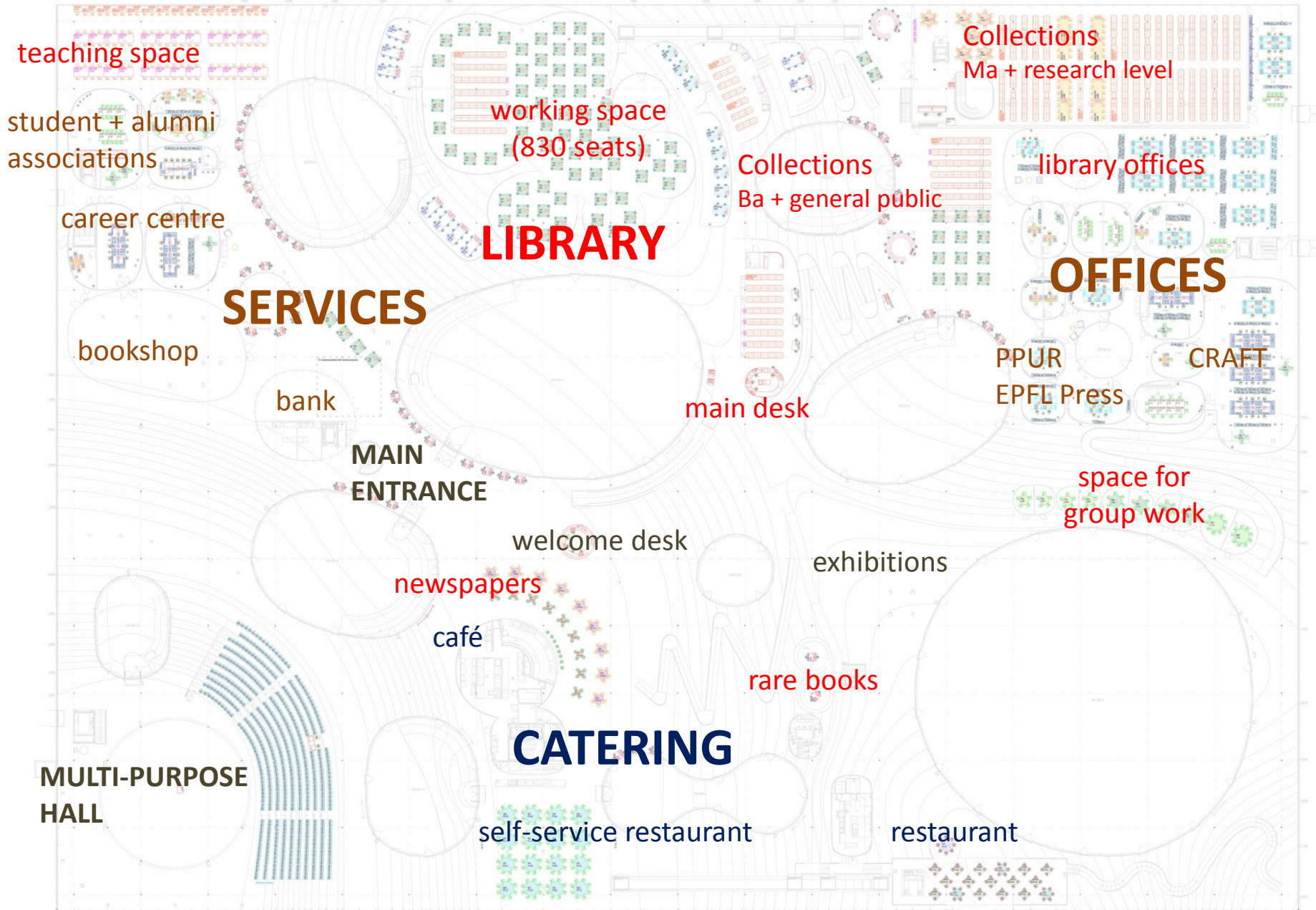
## **OFFICES**

PPUR  
EPFL Press

CRAFT

space for  
group work

# Map of the Rolex Learning Center

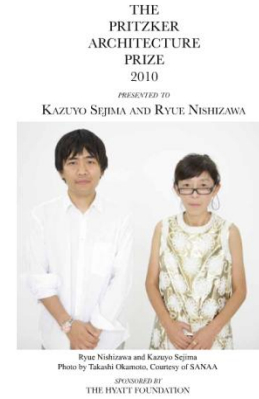


+ underground : movable stacks, parking, storage...

# A building in 3D



# An architectural landmark



japanese architects – swiss know-how – a civil engineering challenge



# Living space



Open 7/7, 7:00-24:00 – 3 restaurants – 1 bookshop – 1 bank ...



# Working space(s)



15'000 m<sup>2</sup> – 830 seats – silent zone – quiet zone – group work





# Working space(s)



WiFi access – printers – scanners – copiers – laptops on loan ...



# Library services



Library open 7/7 – professional advice 8:00-20:00 weekdays



# Collections



500'000 documents – 11'000 e-journals – 20'000 e-books ...



# Towards e-only: we're **\*almost\*** there (for journals)



**magazines**

current edition: **paper**  
archives: **online**  
(+ 1 year paper in some cases)



**scholarly journals**

current edition  
+ archives:  
**online only**  
in mathematics:  
**paper + online**



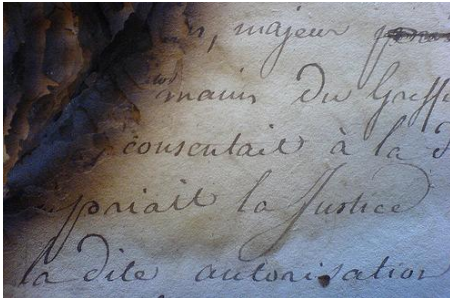
**newspapers**

current edition: **paper**  
archives: **online only**

# Why are we still using paper ?



comfort



conservation



(inter-) national  
conservation plans

**long-term** digital  
preservation



licensing oddities  
paper-only titles



# Acquisition models evolve



selection of  
**content**



selection of  
**access**

# Acquisition models evolve



**just-in-case**  
model

(accumulation  
of resources)



**just-in-time**  
model

(delivery of  
resources)



# Just-in-time delivery at EPFL

paper

**core collection**



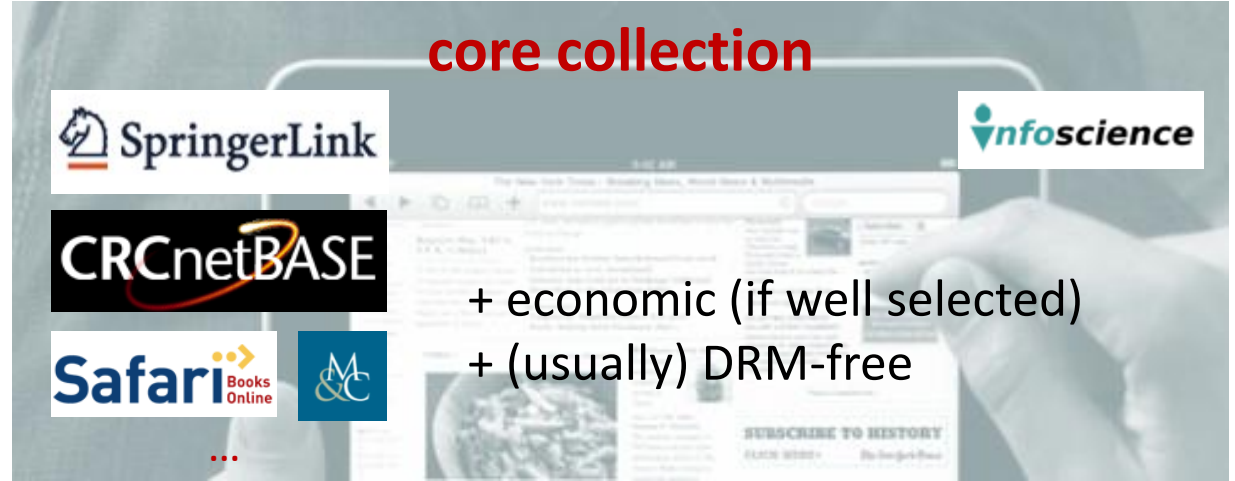
+

**on demand**



electronic

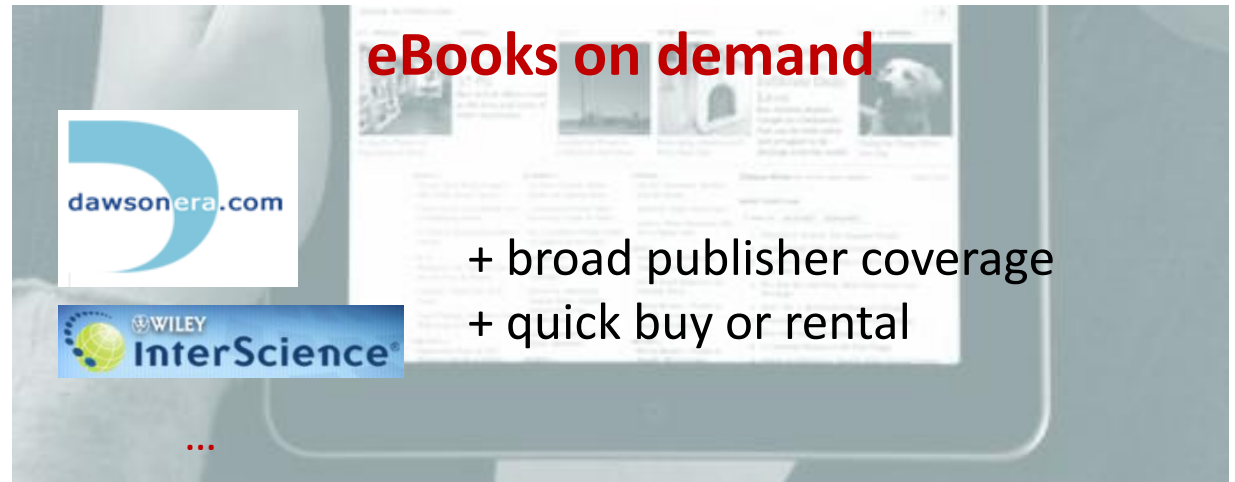
**core collection**



+ economic (if well selected)  
+ (usually) DRM-free

+

**eBooks on demand**



+ broad publisher coverage  
+ quick buy or rental



# Patrons need total transparency

User Account | Preferences | Guided Search | Help | Logout | Other Catalogs | IDS Recherche

NEBIS

Results List | Search History | Browse List | Basket

Search | **Advanced Search** | Expert Mode | Browse >Journal Title

Add to Basket | Mail/Save | Permanent Link (NEBIS 0058229)

Search within...  
OK  
books e-books periodicals ... or all resources

### Full View of Record

Record 7 out of 64

Display format: [Standard format](#) [Catalog card](#) [Citation](#) [MARC tags](#)

|                            |                                                                                                                                                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Title</b>               | Calcolo scientifico [Elektronische Daten] : esercizi e problemi risolti con MATLAB e Octave / A. Quarteroni, F. Saleri                                                                                               |
| <b>Edition</b>             | 4a ed.                                                                                                                                                                                                               |
| <b>Imprint</b>             | Milano : Springer, 2008                                                                                                                                                                                              |
| <b>Descr.</b>              | Online-Datei                                                                                                                                                                                                         |
| <b>Series</b>              | (Unitext)                                                                                                                                                                                                            |
| <b>ISBN</b>                | 978-88-470-0837-3<br>978-88-470-0838-0 (eBook)                                                                                                                                                                       |
| <b>Standard-Identifier</b> | doi:10.1007/978-88-470-0838-0                                                                                                                                                                                        |
| <b>Full text</b>           |  <a href="#">Online via SFX</a>                                                                                                     |
| <b>All Holdings</b>        | <a href="#">All items</a>                                                                                                                                                                                            |
| <b>Library</b>             | <a href="#">ETH-BIB (Zürich)</a>   <a href="#">Online</a>   <a href="#">EL Electronic Library</a>                                 |
| <b>Library</b>             | <a href="#">EPF-BIB (Lausanne)</a>   <a href="#">Online</a>   <a href="#">EL Electronic library</a>                               |
| <b>Subjects</b>            | <a href="#">NUMERICAL MATHEMATICS AND COMPUTER APPLICATIONS IN MATHEMATICS : 519.6</a><br><a href="#">MATLAB (SOFTWARE FOR NUMERICAL COMPUTATION) : 519.6.0</a><br><a href="#">TEXTBOOKS (DOCUMENT TYPE) : (075)</a> |
| <b>Author/-ess</b>         | <a href="#">Quarteroni, Alfio, Mathematician, 1952-</a> . eng                                                                                                                                                        |
| <b>Author/-ess</b>         | <a href="#">Saleri, Fausto</a>                                                                                                                                                                                       |
| <b>Sys. no</b>             | 005822970                                                                                                                                                                                                            |

MARC records must be imported

poor visibility

handle differentiated access

handle duplicates etc...

parallel catalogs



# Patrons need total transparency

User Account | Preferences | Guided Search | Help | Logout | Other Catalogs | IDS Recherche

NEBIS

Results List | Search History | Browse List | Basket

Search | **Advanced Search** | Expert Mode | Browse >Journal Title

Add to Basket | Mail/Save | Permanent Link (NEBIS 005822970)

Search within...  
books e-books periodicals ... or all resources

### Full View of Record

Record 7 out of 64

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| Imprint             | Milano : Springer, 2008                                                                                                                                                                                              |
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| Series              | (Unitext)                                                                                                                                                                                                            |
| ISBN                | 978-88-470-0837-3<br>978-88-470-0838-0 (eBook)                                                                                                                                                                       |
| Standard-Identifier | doi:10.1007/978-88-470-0838-0                                                                                                                                                                                        |
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| Library             | <a href="#">ETH-BIB (Zürich)</a>   <a href="#">Online</a>   <a href="#">EL Electronic Library</a>                                 |
| Library             | <a href="#">EPF-BIB (Lausanne)</a>   <a href="#">Online</a>   <a href="#">EL Electronic library</a>                               |
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| Author/-ess         | <a href="#">Saleri, Fausto</a>                                                                                                                                                                                       |
| Sys. no             | 005822970                                                                                                                                                                                                            |

MARC records must be imported

poor visibility

handle differentiated access

handle duplicates etc...

parallel catalogs

complex issues

cannot always be solved using current tools...

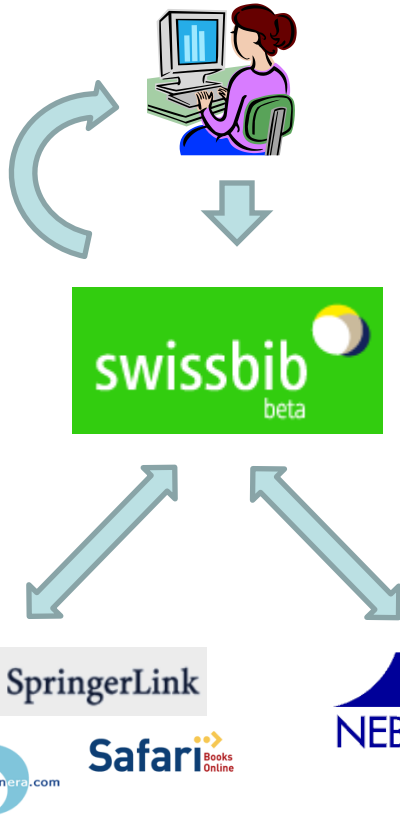


find alternate routes !



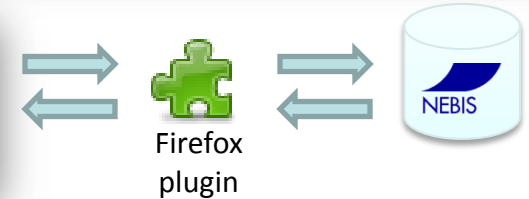
# Alternate routes

option # 1:  
meta-catalog



option # 2:  
tinker

A screenshot of the NEBIS search results page. The page header includes navigation links: "Compte utilisateur", "Préférences", "Recherche guidée", "Aide", "Se déconnecter", "Liste des résultats", "Historique", "Liste", "Panier", "Recherche", "Recherche avancée", "Recherche en mode expert", and "Parcourir". Below the header, there are links for "Ajouter au panier", "Sauvegarder / E-mail", and "Lien permanent (NEBIS 005372032)". The main content area shows a "Notice détaillée" for "Programming firefox / Kenneth C. Feldt". A red box highlights a book icon and the text "Available as ebook from EPFL!". Below this, the "Adresse bibliogr." is "Sebastopol : O'Reilly Media, 2007", the "Collation" is "494 p. : ill.", and the "ISBN" numbers are "0-596-10243-7" and "978-0-596-10243-2".



and wait for  
OPAC 2.0 ...

When in Rome...

do as the Romans do !



# When in Rome...

don't try to  
bring users to  
your OPAC



put your OPAC  
right where they are  
(without them noticing)



# When in Rome...

The screenshot shows the ISI Web of Knowledge interface. At the top, there are navigation tabs: 'All Databases', 'Select a Database', 'Web of Science', and 'Additional Resources'. Below these are links for 'Search', 'Search History', and 'Marked List (0)'. The main header area displays 'ALL DATABASES' and 'Results Topic=(learning center) Timespan=All Years'. A search bar contains the text 'learning center'. The results section shows 'Results: 3 872' and a pagination control for 'Page 1 of 388'. A toolbar offers actions like 'Print', 'E-mail', 'Add to Marked List', 'Save to EndNote Web', and 'Save to EndNote, RefMan, ProCite'. On the left, a 'Refine Results' sidebar is visible, with sections for 'General Categories' (Science & Technology, Social Sciences, Arts & Humanities) and 'Subject Areas' (Computer Science, Psychology, Engineering, Behavioral Sciences, Neurosciences & Neurology). The main results list contains four entries, each with a checkbox, title, author(s), source, volume, issue, pages, and publication year. Each entry also includes a 'Times Cited' count and a button for 'Full Text'. The first entry's 'Full Text' button is highlighted with a red box.

ISI Web of Knowledge<sup>SM</sup>

All Databases | Select a Database | Web of Science | Additional Resources

Search | Search History | Marked List (0)

ALL DATABASES

Results Topic=(learning center)  
Timespan=All Years

Results: 3 872 Page 1 of 388 Go

Print | E-mail | Add to Marked List | Save to EndNote Web | Save to EndNote, RefMan, ProCite | more options

Hide Refine

Refine Results

Search within results for

General Categories Refine

- SCIENCE & TECHNOLOGY (2,948)
- SOCIAL SCIENCES (1,191)
- ARTS & HUMANITIES (103)

more options / values...

Subject Areas Refine

- COMPUTER SCIENCE (692)
- PSYCHOLOGY (596)
- ENGINEERING (563)
- BEHAVIORAL SCIENCES (455)
- NEUROSCIENCES & NEUROLOGY (380)

more options / values...

Document Types

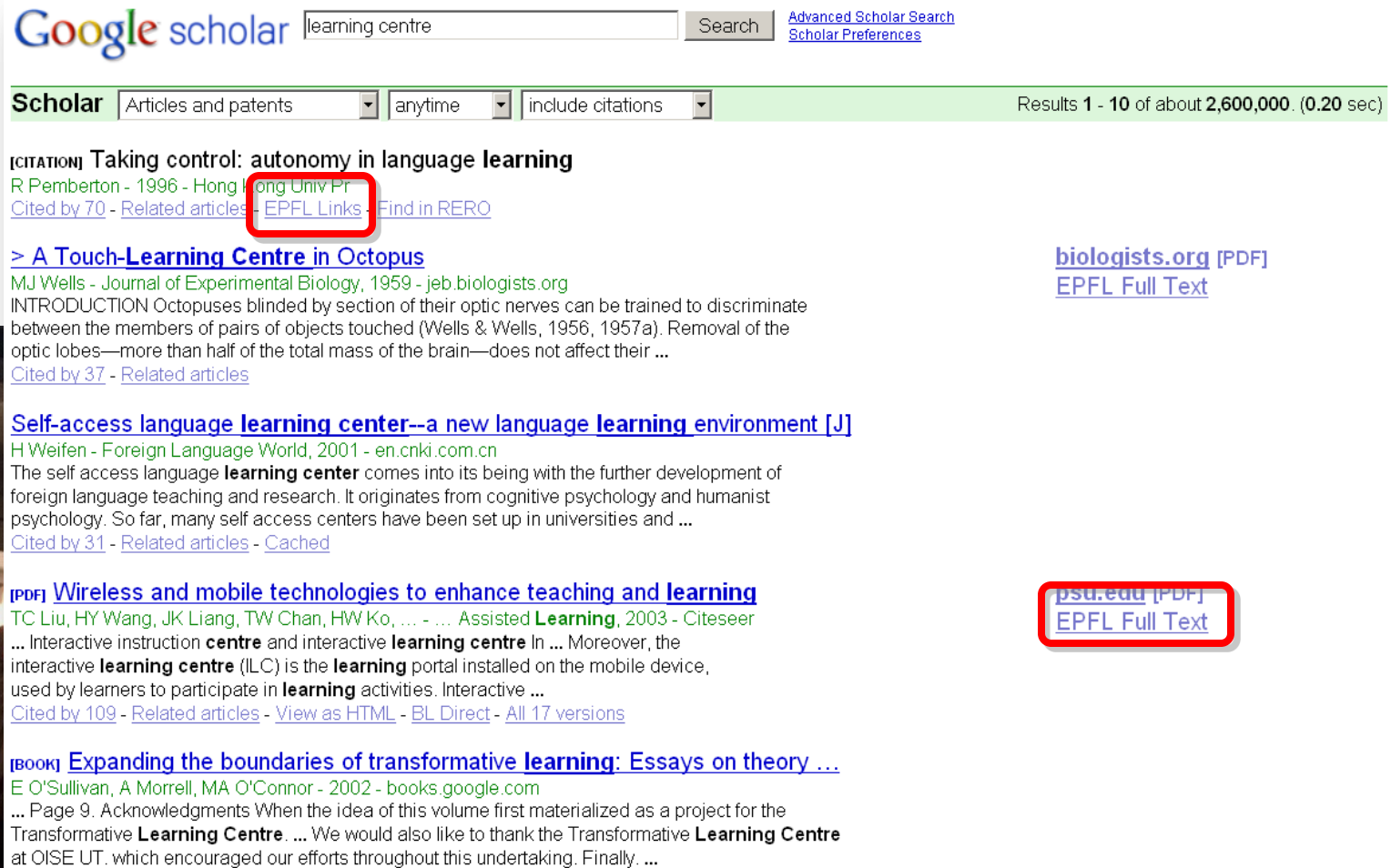
Authors

Source Titles

Publication Years

- Title: [Learning postural tasks in hemiparetic patients with lesions of left versus right hemisphere](#)  
Author(s): Ioffe, ME; Chernikova, LA; Umarova, RM, et al.  
Source: EXPERIMENTAL BRAIN RESEARCH Volume: 201 Issue: 4 Pages: 753-761 Published: 2010  
Times Cited: 0  
[EPFL](#) [S-F-X](#) Full Text
- Title: [Learning Curves for Colonoscopy: A Prospective Evaluation of Gastroenterology Fellows at a Single Center](#)  
Author(s): Chung, JI; Kim, N; Um, MS, et al.  
Source: GUT AND LIVER Volume: 4 Issue: 1 Pages: 31-35 Published: 2010  
Times Cited: 0  
[EPFL](#) [S-F-X](#)
- Title: [Carotid Artery Stenting: Single-Center Experience Over 11 Years](#)  
Author(s): Nolz, R; Schernthaner, R; Cejna, M, et al.  
Source: CARDIOVASCULAR AND INTERVENTIONAL RADIOLOGY Volume: 33 Issue: 2 Pages: 251-259 Published: 2010  
Times Cited: 0  
[EPFL](#) [S-F-X](#) Full Text
- Title: [Place memory formation in Drosophila is independent of proper octopamine signaling](#)  
Author(s): Sitaraman, D; Zars, M; Zars, T  
Source: JOURNAL OF COMPARATIVE PHYSIOLOGY A-NEUROETHOLOGY SENSORY NEURAL AND BEHAVIORAL PHYSIOLOG Volume: 299-305 Published: 2010  
Times Cited: 0  
[EPFL](#) [S-F-X](#) Full Text

# When in Rome...



The screenshot shows a Google Scholar search for 'learning centre'. The search bar contains 'learning centre' and the search button is visible. The results are filtered to 'Articles and patents' and 'anytime', with 'include citations' checked. The search results show 1-10 of about 2,600,000 results in 0.20 seconds.

**[CITATION] Taking control: autonomy in language learning**  
R Pemberton - 1996 - Hong Kong Univ Pr  
Cited by 70 - [Related articles](#) - [EPFL Links](#) - [Find in RERO](#)

**> A Touch-Learning Centre in Octopus**  
MJ Wells - Journal of Experimental Biology, 1959 - jeb.biologists.org  
INTRODUCTION Octopuses blinded by section of their optic nerves can be trained to discriminate between the members of pairs of objects touched (Wells & Wells, 1956, 1957a). Removal of the optic lobes—more than half of the total mass of the brain—does not affect their ...  
Cited by 37 - [Related articles](#)

**Self-access language learning center--a new language learning environment [J]**  
H Weifen - Foreign Language World, 2001 - en.cnki.com.cn  
The self access language **learning centre** comes into its being with the further development of foreign language teaching and research. It originates from cognitive psychology and humanist psychology. So far, many self access centers have been set up in universities and ...  
Cited by 31 - [Related articles](#) - [Cached](#)

**[PDF] Wireless and mobile technologies to enhance teaching and learning**  
TC Liu, HY Wang, JK Liang, TW Chan, HW Ko, ... - Assisted Learning, 2003 - Citeseer  
... Interactive instruction **centre** and interactive **learning centre** In ... Moreover, the interactive **learning centre** (ILC) is the **learning** portal installed on the mobile device, used by learners to participate in **learning** activities. Interactive ...  
Cited by 109 - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 17 versions](#)

**[BOOK] Expanding the boundaries of transformative learning: Essays on theory ...**  
E O'Sullivan, A Morrell, MA O'Connor - 2002 - books.google.com  
... Page 9. Acknowledgments When the idea of this volume first materialized as a project for the Transformative **Learning Centre**. ... We would also like to thank the Transformative **Learning Centre** at OISE UT, which encouraged our efforts throughout this undertaking. Finally. ...

[biologists.org](#) [PDF]  
[EPFL Full Text](#)

[psu.edu](#) [PDF]  
[EPFL Full Text](#)

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Programming Firefox: Building Rich Internet Applications with XUL (Paperback)

~ Kenneth C. Feldt (Author)  
**Key Phrases:** [test window](#), [overlay option](#), [request widget](#), [Widget Reference](#), [Done Figure](#), [Modifying Datasources](#) ([more...](#))

★★★★☆ (6 customer reviews)

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Programming Firefox

Programming Firefox: Building Rich Internet Applications with XUL (Paperback) [PDF](#) [HTML](#)

~ Kenneth C. Feldt (Author)

**Key Phrases:** [test window](#), [overlay option](#), [request widget](#), [Widget Reference](#), [Done Figure](#), [Modifying Datasources](#) (more...)

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Try it out !

<http://library.epfl.ch/tools/?pg=plugin-nebis>

Thank you



Official inauguration  
May 29-30, 2010

Visitors are welcome any time, 7/7 :)

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# Informations complémentaires



# \* La bibliothèque « augmentée » est un espace complexe

- |                                                                        |                                                                                                         |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| • Bibliothèque                                                         | – Collections<br>– Guichets                                                                             |
| • Travail personnel                                                    | – Zones de silence<br>– Zones d'interaction<br>– Zones de formation                                     |
| • Développement personnel,<br>• Culture,<br>• Interface science - cité | – Librairie<br>– Histoire des sciences (livres anciens)<br>– Expositions<br>– Animations et conférences |
| • Confort de vie                                                       | – RFID, WiFi, Scan-Print-Copy on-dem.<br>– Restauration<br>– Sécurité<br>– Espace privé                 |

# EPFL : collections et prêts à fin 2007

- 490'000 volumes soit 18 km linéaires
  - Dont 346'000 mono. et 144'000 vol. périod.
  - Mono. (milliers) : 160 BC, 58 SMA, 41 DA, 30 Biscom, 15 Phy, 12 IC, 8 Im
  - Périodiques (milliers) : 60 BC, 22 Biscom, 18 SMA, 13 Phy, 11 Imx, 11 DA, 3 IC
- Accroissement : 7'000 mono./an et 1'000 pério./an soit 230 ml
- 10'000 e-books, 7'000 e-journals, 100 bases de données
- 55'000 prêts par an à 8'500 lecteurs actifs
  - Prêts (milliers) :  
30 BC, 11 DA, 8 SMA, 3 Biscom, 2.5 IC, 0.5 Phys, 0.3 CRPP, 0.15 CDM
  - Lect. actifs (milliers) :  
5.6 BC, 1.1 DA, 0.8 SMA, 0.8 Biscom, 0.18 Phy, 0.06 CDM-CRPP
- 333'000 visites / an à la Bibliothèque centrale (38'000 SMA, 9'000 IC)

## AVANT

### **10 Bibliothèques réparties sur tout le campus :**

- ➔ 300 places de travail à la BC, accessibles de 8h à 22h Lu-Ve, 9h-17h le samedi, et 13h-18h le dimanche en périodes de révision
- ➔ 200 places de travail dans les bibliothèques spécialisées, accessibles uniquement aux ayants droit de la section ou faculté
- ➔ 500.000 documents proches des usagers mais disparates et peu accessibles du fait des règles et horaires d'accès variables
- ➔ Service au public limité par les charges de traitement des documents et de gestion assumées par les collaborateurs des bibliothèques
- ➔ Coordination par la Bibliothèque centrale de 98% des achats de revues, et de 30% des achats de livres de l'EPFL, sur tous supports



## APRES

### **1 grande Bibliothèque pour le campus :**

- 830 places de travail différenciées accessibles de 7h30 à 24h Lu-Ve et 9h-24h Sa Di, toute l'année
- 500.000 documents en un seul lieu, les collections publiques sont empruntables 7j/7 par toute personne inscrite
- Service professionnel d'accueil et d'aide à la recherche de 8h à 20h en semaine, dépannage informatique Poséidon de 11h à 20h en semaine
- Gestion rationnelle des collections (workflows, identification RFID, prêts automatisés, système antivol) permettant la coordination de 70% des achats de l'EPFL (10.000 livres /an) et un meilleur suivi des abonnements (10.000 revues, 17.000 livres électroniques)



# Calendrier de réalisation

- Etudes

- concours d'architecture
- choix du lauréat : Sanaa
- avant-projet / projet
- adjudication à Losinger
- enquête publique
- octroi de crédit (50 mios)
- permis de construire

## **2004 – 2007**

février-novembre 2004

décembre 2004

janvier 2005 - septembre 2006

mai 2006

novembre-décembre 2006

décembre 2006

juillet 2007

- Construction - Equipement

**août 2007 – Sept 2009**

- Organisation/Intégration des services

**Janv 2008 – Fév 2010**

- Inauguration

**Mai 2010**

# Programme fonctionnel du RLC

|                                                                                                                                                                                                                                                                                          |                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 1. Bibliothèque / espaces d'information scientifique                                                                                                                                                                                                                                     | 6'160 m <sup>2</sup> |
| <ul style="list-style-type: none"><li>- accueil-réception</li><li>- bibliothèque multimédia</li><li>- collections : recherche, enseignement et sciences, livres anciens</li><li>- places de travail, seul ou en groupe</li><li>- places de travail pour env. 40 collaborateurs</li></ul> |                      |
| 2. Espaces liés à la formation                                                                                                                                                                                                                                                           | 1'150 m <sup>2</sup> |
| <ul style="list-style-type: none"><li>- salles pour formation des utilisateurs</li><li>- bureaux du Centre pédagogique (CRAFT)</li></ul>                                                                                                                                                 |                      |
| 3. Espaces de vie                                                                                                                                                                                                                                                                        | 1'875 m <sup>2</sup> |
| <ul style="list-style-type: none"><li>- hall d'entrée principal</li><li>- café , cafétéria, restaurant</li><li>- bureaux de l'Agépoly</li><li>- bureaux et salon de l'A3</li><li>- bureaux du Centre de carrière</li></ul>                                                               |                      |
| 4. Espaces culturels                                                                                                                                                                                                                                                                     | 1'690 m <sup>2</sup> |
| <ul style="list-style-type: none"><li>- espace multifonctions (conférences, spectacles, ...)</li><li>- espace d'expositions</li><li>- librairie</li><li>- PPUR (Presses Polytechniques Universitaires Romandes)</li></ul>                                                                |                      |
| 5. Espaces de service                                                                                                                                                                                                                                                                    | 3'500 m <sup>2</sup> |
| <ul style="list-style-type: none"><li>- économat, courrier, livraisons</li><li>- centrales techniques</li><li>- parking souterrain, réserves</li></ul>                                                                                                                                   |                      |

## Bibs EPFL 2007

Surface publique  
- 4778 m<sup>2</sup>

Places de travail  
- 598 au total  
- dont 300 à la BC

Heures d'ouverture bib.  
- BC : 78h/sem  
- DA : 38h  
- BISCOP : 45h  
- PHY : 41h  
- IC : 35h

Surface utile totale  
: 14'375 m<sup>2</sup>