

Higher education and learning 2030 Which trends for ICT?

Synthesis from a French project

<http://prea2k30.risc.cnrs.fr>

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PREA2K30 : a wide partnership

- ❖ Headed by Université Paris Descartes (EDA, LATI)
 - ❖ AFRV (French Association for Augmented and Virtual Reality), ATIEF (Association For ICT in Education and Professional Development), IENS (Ecole Normale Supérieure - Département d'étude cognitive), CREAPT (Centre d'études de l'Emploi), ENS (Ecole Normale Supérieure Cachan - STEF), Université Paris 8 - Paragraphe, Université Toulouse 2 - CLLE, AFPA, AXA, CAP DIGITAL, Nathan, SNCF
- ❖ A Focus
 - ❖ On Education, Learning and Human Factors
 - ❖ And on France & Europe

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Method

- [Thematic groups
- [Two Symposia (juin 2010 ; mars 2011)
- [More than 60 interviews with Experts
- [A systematic Method (Futuribles)
 - 22 Variables, 3 macro scénarios

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3 contrasted Scenarios (in a nutshell)

1. Pre-eminence to the Market
 - Toward a McDonaldisation ?
 - fast-learning?
2. Pre-eminence to Experts
 - Weak Interest for Research
3. Lifelong learning considered seriously
 - Pervasive learning in a Contributive Society

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Main Trends of ICT for Higher Education

- [Real Possibilities
 - Collaborative Learning...
- [A Continuous Integration of ICT into Students' Practice,
- [BUT
 - Strategic Instruments
 - Greatly facilitate the Production of Documents :-)

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In institutions

- [A Weak Integration in Teachers' Practice
 - New Problems
 - Teachers are Gatekeepers (Cuban)

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Other Trends

- [Importance of Informal Learning
- [And of *Artisanal* hybrid endeavors
 - A large Diffusion of *fine-grained* Learning Objects
 - How to Assemble them in a Coherent Way
 - A sustained importance of the Human Workforce
 - Disruption not Likely Before 2030...

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The Future will Last a Long Time (*)

- [Importance of Pluri-disciplinary Research
 - And Sustained Innovation
- [Beyond Randomized Experimentation
 - Qualitative and Longitudinal Research in Order

(*) Charles De Gaulle, Mémoires de guerre, t 3

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