# First Steps in the integration of institutional and personal learning environments

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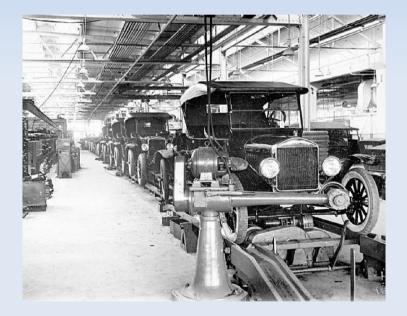
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### LMS vs PLE

#### Learning Management System



#### Uniform

#### Rationalised

Structured

#### Personal Learning Environment



Ad hoc

Social

user-centered

## LMS vs PLE

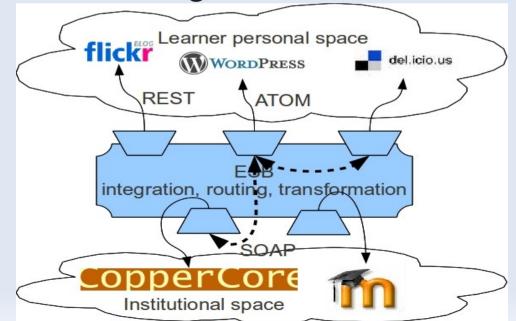


·Closed & static ·Limited access

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Recherche Google J'ai de la chance				
Stephen's Web ~ OLDaily				
Patterns of Change     Systemic Changes in Higher Education     Reflections on Teaching with Social Media		Associate Professorship.for Learning Sciences Research Methodologies at LMU     CEP: Professional Learning Workshop at EC-TEL 2010     CFP : 2nd NLPsL workshop		
UNIX Garden		Quadruplay.fr - Net, Tech, Mobile, Smart (grids)		
Tomtom Go : une plate-forme pour l'acquisition sans fil de mesures géoréférencées     Linux Pratique Hors-Série N°18 – JUIN/JUILET 2010 – Chez votre marchand de journaux     Bien démarrer avec Python		<ul> <li>              Free se lance dans la vente privée          </li> <li>             Bouygues lance la quadruple play tout-illimité pour moins de 100€ par mois,         </li> <li>             Simyo fait une promo sur les sms: 0.05€/sms au lieu de 0.10€/sms      </li> </ul>		

## **Research focus**

- How to conciliate "formal" learning objectives and freedom of learning services
  - Structuring learning activities
  - Building an ad hoc learning environment
  - Enable collaboration and monitoring



# Integration & aggregation

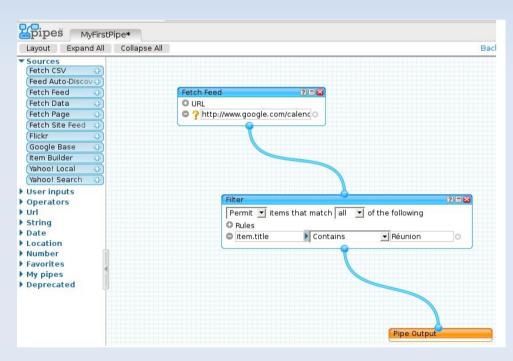


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•REST

•RSS, ATOM & ATOM Publishing Protocol •OpenID & Oauth

•FOAF, OPML...



## Perspective

- Prototype extension (new services, LMS integration)
- Integration patterns according to learning activities
- Use of semantic data

