

Pedagogically sustained Adaptive LEarning
Through the exploitation of
Tacit and Explicit knowledge



The ePrep CoP

An exciting year of participatory design supporting successful CoP developments

Nathalie Van de Wiele
Director and founder of ePrep



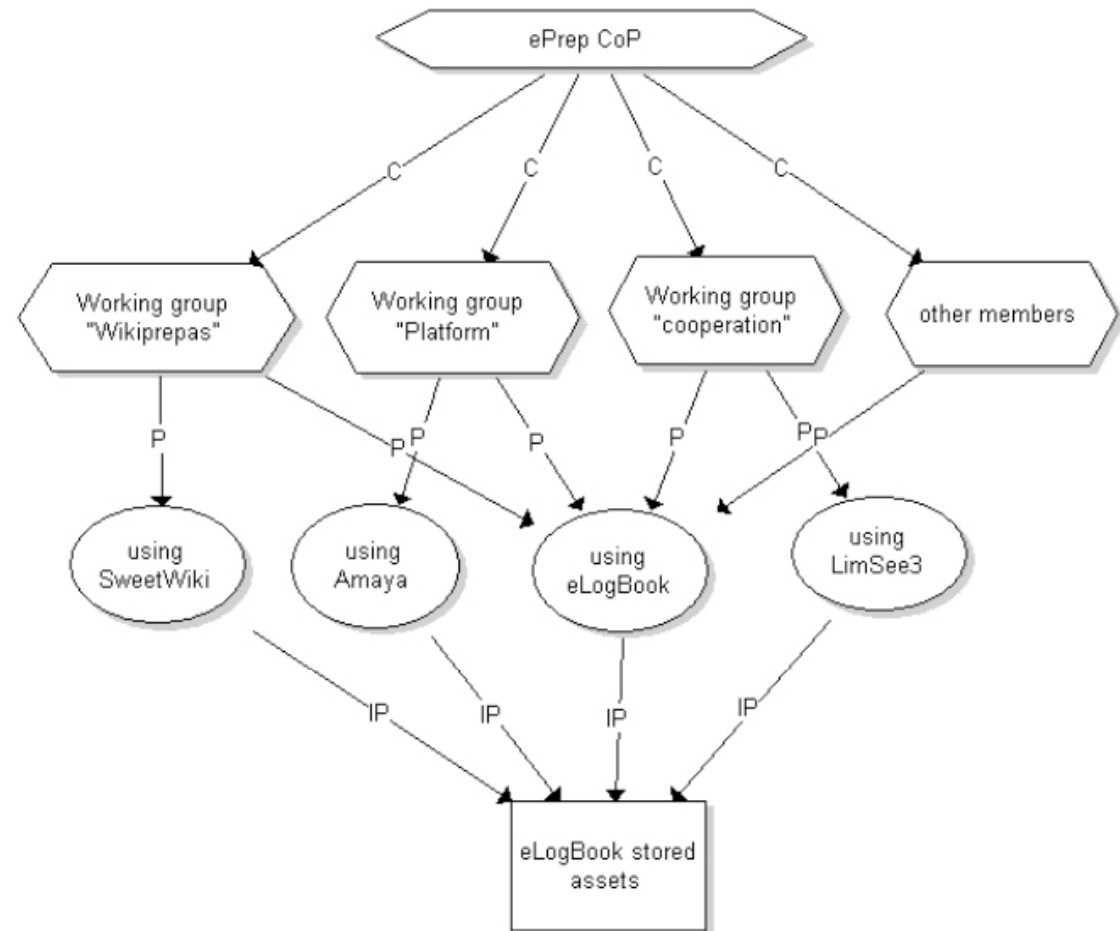
2nd Review Meeting, Luxembourg, 8-9 April 2008

An efficient scenario

- A design-for-use phase involving the CoP members and the PALETTE developers leading to a successful validation meeting in June 2007



- A scenario having efficiently structured the development of the CoP projects and remaining the reference framework so far



Simplified Mot representation of the PALETTE scenario for the ePrep CoP



SweetWiki for Wikiprepas

Hosted by ESSEC (Mediawiki)

- An interesting collaborative tool for the CoP need to develop a multidisciplinary dictionary
- The project has developed quite significantly, including a non-supported research work on “a draft ontology for the ePrep CoP”
- Training sessions developed for CoP members
- A tool abandoned in Oct. 2007 and replaced by MediaWiki

Roland Sénéor
Directeur du « Réseau Haut Débit du Plateau de Saclay », Chargé de mission TICE à l'Ecole Polytechnique

Docteur en physique, diplômé de l'Ecole Polytechnique, je conduis ma carrière académique en tant que directeur de recherche en physique théorique au CNRS et professeur à l'Ecole Polytechnique, alors que ma carrière administrative me voit successivement directeur des études doctorales puis des relations internationales à l'Ecole Polytechnique. C'est à ce titre que je m'intéresse à la formation et à l'évaluation à distance. Impliqué dans le Comité de programme d'ePrep 2006 et ayant pris part au séminaire ePrep de Sousse, je participe avec intérêt au développement de la Communauté de pratique ePrep.

Social structure of the ePrep CoP revealed by the ontology



Amaya for the ePrep platform

Hosted by Ecole Polytechnique

- A remarkable tool to develop pedagogical Web resources to be put online on the ePrep platform (free access)
 - sharable and reusable documents, conform to Web standards
- A very close cooperation between CoP members and the Amaya team
- Training sessions for CoP members



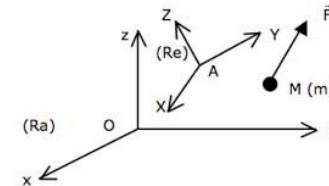
- First results obtained following an intense design-in-use phase

1. Le principe fondamental de la dynamique dans un référentiel non galiléen : Les forces d'inertie

(Ra) est un référentiel absolu lié au solide de référence (Oxyz), supposé galiléen.

(Re) est un référentiel d'entraînement lié au solide de référence (XYZ), en mouvement quelconque, de vecteur instantané de rotation $\vec{\Omega}$, par rapport à (Ra), a priori non galiléen.

M est un point matériel de masse m soumis à la force \vec{F} .



Avec les notations usuelles, le principe fondamental de la dynamique dans (Ra) galiléen : $m\vec{a}_0(M) = \vec{F}$, et la loi de composition des accélérations : $\vec{a}_r(M) = \vec{a}_0(M) - \vec{a}_e(M) - \vec{a}_c(M)$, donnent : $m\vec{a}_r(M) = \vec{F} - m\vec{a}_e(M)$

principe fondamental de la dynamique dans un référentiel (Re) non galiléen : $m\vec{a}_r(M) = \vec{F} + \vec{F}_{ic} + \vec{F}_{ic}$

- $\vec{F}_{ic} = -m\vec{a}_e(M)$ est la *force d'inertie d'entraînement* ($\vec{a}_e(M)$ se calcule à l'aide de la notion de point coïncident).
- $\vec{F}_{ic} = -m\vec{a}_c(M) = -2m\vec{\Omega} \wedge \vec{V}_r(M)$ est la *force d'inertie de Coriolis*.

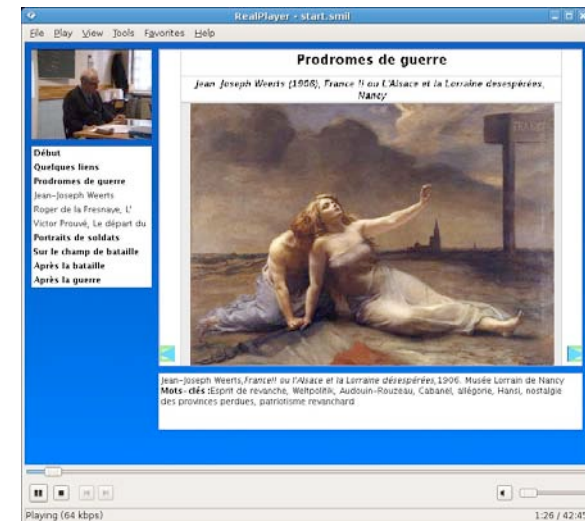
Elle est nulle dans le cas particulier d'un entraînement de translation ($\vec{\Omega} = \vec{0}$, ou à l'équilibre dans (Re) ($\vec{V}_r(M) = \vec{0}$).

The course "Les référentiels non galiléens" designed with Amaya



LimSee3 for International cooperation

- An innovative and efficient tool to build multimedia content for the international cooperation projects of the ePrep CoP (e.g. Ecole Centrale Beijing)
 - a surprising design-in-use phase leading to redefine the objective: “Pedagogical innovation”
- Very intense and fruitful participative design
 - not less than 5 half-day to full-day face to face sessions
- An enjoyable experience and many perspectives





e-Logbook as the CoP central tool

- An attractive and pragmatic tool to improve communication between CoP members and facilitate their involvement in CoP activities
 - and make the life of the coordinator easier...
- The ePrep activity in e-Logbook has been fully implemented
 - 3 sub-activities (= CoP projects)
 - 2 roles per activity (active or observer role)
 - dynamic invitation to join sub-activities

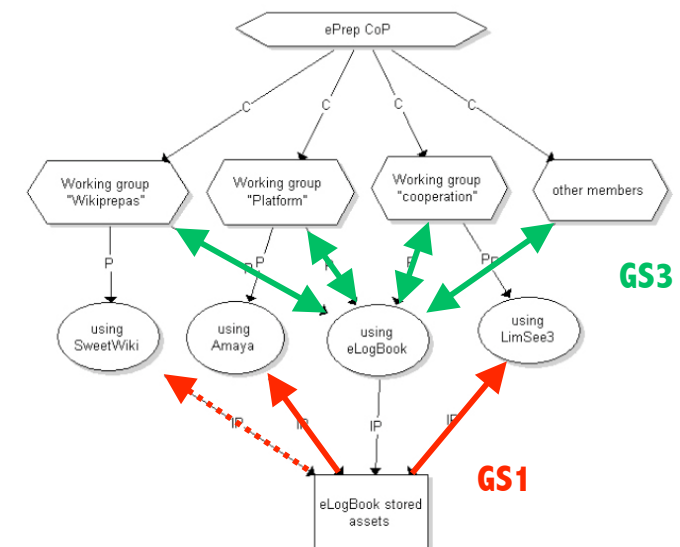
The screenshot shows the eLogbook interface for the 'CoP ePrep' activity. The header includes the eLogbook logo with the tagline 'Collaborate, share and be aware', a search bar, and navigation links like 'Back to me', 'Logout', and 'Locally'. The main content area features a list of members with their names and roles (Members or Administrator). The activity description is 'Développement de la CoP ePrep à travers ses projets'. There are also sections for 'Created at', 'Website', 'Private Tags (new)', and 'Public Tags (new)'. The interface is clean and user-friendly, with a focus on collaboration and communication.



Towards generic scenarios

- A lively and enthusiastic year of involvement
 - and a large impact through wide dissemination of mutual interest
- Important perspectives for the year to come
 - in line with present developments
 - the ePrep projects can now rely on suited tools and services (only 18 months after CoP creation)
 - ePrep will contribute to two generic scenarios (reification scenario and CoP animation)

Conferences	March 21, 2007 June 16, 2007 November 5-6, 2007 November 30, 2007 May 16-17, 2008	« 12èmes Rencontres de l'Orme », Marseille, France UPS annual meeting, Paris, France 2007 ePrep International Thematic Seminar, Lyon, France Online Educa Berlin, Berlin, Germany 2008 International ePrep Workshop, Paris, France
Emailing blasts	Dissemination through the ePrep mailing list (1200 contacts) on May 14, 2007 - June 6, 2007 - June 19, 2007 - October 4, 2007 - October 25, 2007 - November 23, 2007 - January 14, 2008 - February 29, 2008	
ePrep newsletter	March 2007 - May, 2007 - July 2007 - September/October 2007 - November/December 2007 - January/February 2008	
Website	Many news on the ePrep Web site and uploading of PALETTE deliverables on the Kaleidoscope Open Archives (www.telearn.org)	
Brochures	Distribution of PALETTE brochures on the occasion of the meetings of the ePrep Orientation Committee (March 19, 2007) and ePrep Development Committee (March 29, 2007) and of the Second ePrep International Thematic Seminar (November 6-7, 2007)	





Thank you for your attention

nathalie.vandewiele@eprep.org
www.eprep.org