



eLearning Tools

3rd Eumetcal Workshop
ECMWF, Reading 29-31/8/07

Outline

- What is eLearning
- What tools are there
- Tools for meteorology



Advantages of eLearning

- + Facilitation of communication between learners
- + Greater adaptability to a learner's needs
- + More variety in learning experience
- + Benefits for organizations with distributed and constantly changing learners
- + Flexibility and convenience for the learner (family friendly)
- + Environmentally friendly as opposed to travelling for a course

Disadvantages of eLearning

- Feeling of isolation experienced by students
- Much upfront investment that can only be recouped through economies of scale
- The development of material is much more time-consuming than that of non-adaptive ones

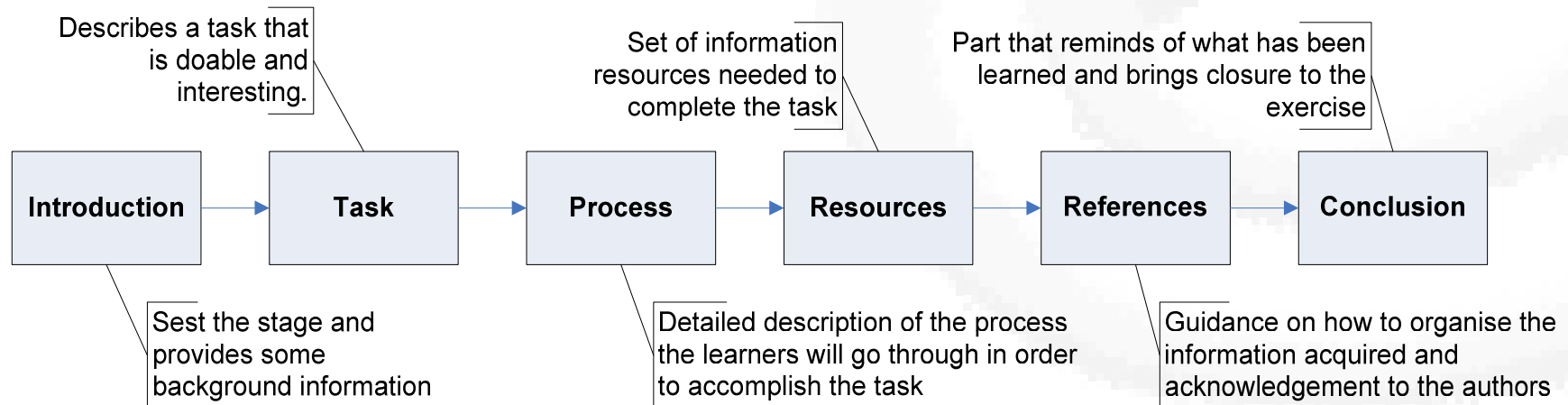
Different Tools For Different Tasks

- Instructional design
 - WebQuest
- Content Management Systems (CMS)
 - Joomla, Midgard, SPIP, intraLibrary, etc.
- Learning Management Systems (LMS)
 - Moodle, Blackboard, Optima, etc.
- Online conferencing software
 - VISITview, Skype, Centra, GoToMeeting, etc.
- Content development software
 - MeteoCAL, eXe, MS Publisher, etc

One model to guide the learner:

<http://www.webquest.org/>

Process:



A model to help the student and force the teacher to better plan the course

Web 2.0

- Virtual social networking is changing the way we do work
- Distance team work with
 - Wikis
 - Blogs
 - Forums
 - Instant messaging
 - Web conferencing
 - Shared applications, calendars (e.g. Google calendar, Picasa web album)

Training with Web 2.0

- Group assignments can be completed virtually with a strong online presence
 - “Group work on an essay at a Wiki-site with discussion with instant messaging or Skype”
- Using diverse eLearning tools will engage the learner and make the experience new and fun

A True eLearning Course

- Registration through LMS
- Pre-course quiz at LMS
- Communication via forum
- Online sessions with video
- Assignments returned and graded through LMS
- Group assignments completed via wikis
- Student survey and evaluation through LMS

It's Not Science-fiction

- Eumetcal already has the tools to carry out such a course
 - LMS = Moodle at ENM server
 - Web conference = Centra Live, VISITview or Skype
 - Wiki = Moodle or PMWiki
- As Eumetcal members, you have access to them and help in their use as well!

Centra 7 - Advanced Aviation Meteorology 2007 - Session 0 (PHG943015)

File View Help

What is your E-Learning team in France? 00:41:53 / 01:13:21

Participants

- [control]
- [Jean-Paul]
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✓ Thomas
Tony





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Agenda

- session_0_html1.ppt
 - General Presentation
 - « How do I use Centra software? »
 - « How do I use Centra software? »
 - « If I want to speak? »
 - What about you?
 - What are the objectives of the Aviation course?
 - What is the schedule?
 - What is your E-Learning team in France?
- session_0_gif2.ppt
 - What about distant learnings?
 - What about your resident course in Toulouse
 - « How can I prepare my next distant session? »
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 - « How can I prepare my next distant session? »
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 - « What will occur during the distant sessions? »
 - Have you got any questions?

What is your E-Learning team in France?

Managers	 Christophe BILLARD (Academic Director)	 Laurent BORREL		
Presenter team	 Hervé HALLOT	 Philippe HUSSON	 Didier LABYT	 Franck PITHOIS
Technical team	 Jean-Paul BILLEROT	 Béatrice POUPONNEAU	 Vincent TEROL	 Florence BARDET



 Aviation course, session 0, general presentation
 
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 Toujours un temps d'avance

- Autumn 2007
- Delivered by FMI in cooperation with Austria, Norway, Germany and ECMWF
- Distance learning & classroom
- Moodle & Centra
- More from Vesa Nietosvaara