



# Pedagogy for eLearning

Jacques Viens  
IntersTICES  
TECFA



# Goals :

- Share our understanding of
  - eLearning (multimedia, mixed modes)
  - pedagogy (support learning)
- Identify best practice principles
- Identify barriers to best practices
- Identify individual/collective means to support best practices



# 1. Share our understanding of :

- pedagogy (support learning, didactic?)
  - planification and application of strategies/activities,
  - intuitive vs systematically planned/explicitated,
  - content/teacher centered vs student centered
- eLearning (multimedia, mixed modes)  
added values : multiple representations, access time/location/sources, communication, individualization/collaboration, visualization, meaningful interaction...



# Most commonly used online tools

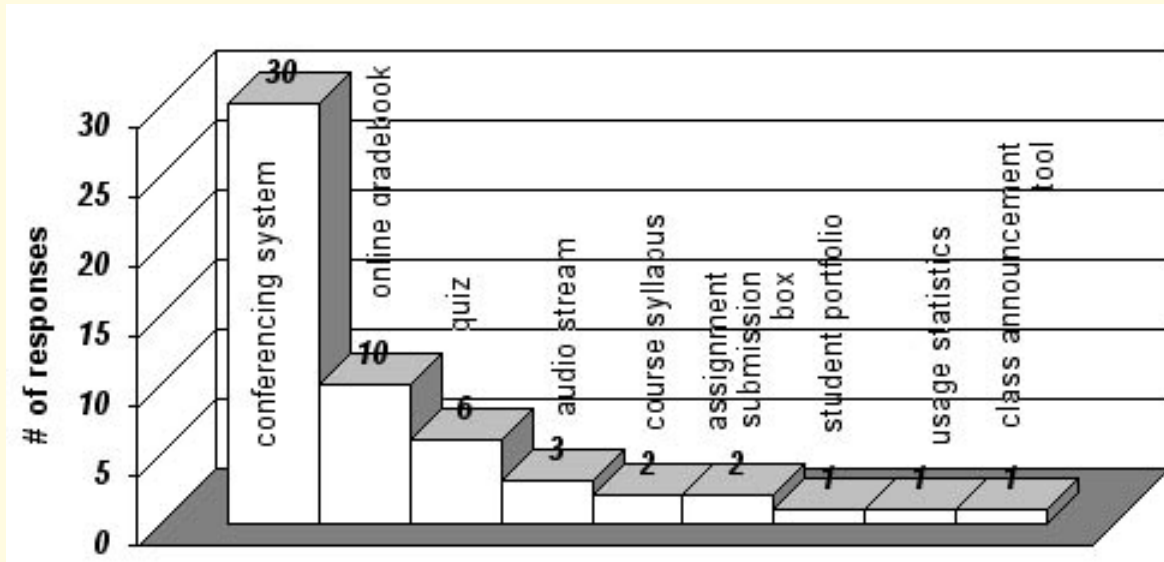


Figure 2: Most Commonly Used Online Tools

Teles, L., & Tzoneva, I. (2002).  
The Use of Web Instructional Tools by Online Instructors.  
*The Technology Source.* (February/March, 2002).



## 2. Identify best practices principles :

- Adapted to the targeted competences

### IFETS-Discussion on best practices in eLearning

April-May 2002, Kinshuck (<http://ifets.ieee.org/>)

- Individualisation (mental model)
- Meaningful interactivity (exercises with reflection)
- Shared experience (online mentoring, inter-students)
- Flexible course design (learning process and student needs)
- Learner reflection (provide time/activities)
- Quality information (multiple representations, accuracy...)



## 2. Identify best practices principles :

Aspects of socio-constructivist pedagogy?

Learners autonomy (involvement)

Collaborative learning (interaction)

Project-based learning (real world)

High level cognitive skills/knowledge



### 3. Identify barriers to best practices :

- **Time,resources, money**
- **Knowledge/experience of how to ?**
- **teachers**
- **tutors**
- **students**
- **institution**
- **exams practices**
- **...**



# 4. Identify individual/collective means to support best practices :

Suggestions ?



# Synthesis...