

# project » Mobile Support for Integrated Learning



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## Project Duration

1 year from January 2004

## Keywords

collaborative learning; standards;  
mobile technologies

## Objectives

- To gain a deeper understanding of the collaborative learning mechanisms used in integrated learning environments.
- To identify the added value of mobile technologies in integrated learning environments.
- To develop a framework that generalizes the core mechanisms of mobile support for integrated learning.

## What is a CSCL script?

Free collaboration is not always an effective learning approach. Scripts structure the collaborative process by defining phases and roles, managing resources and deliverables and enabling/disabling specific interactions. Scripts aim to sustain productive interaction patterns such as conflict resolution, explanation or mutual regulation, because these interactions are mechanisms of knowledge construction.

## Integrated Learning

Collaborative learning activities gain from being integrated with other classrooms activities. Many scripts include individual work (e.g. writing a synthesis) and/or class-wide activities (introductory lectures, debriefing, etc.). Moreover, the teacher remains the *Chef d'orchestre* of integrated learning scripts. In other words, we do not treat collaborative learning in a restricted sense.

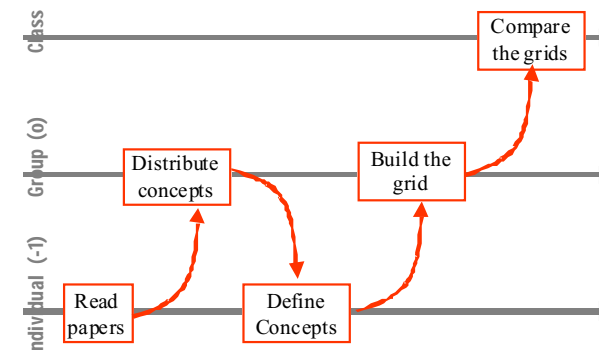
## Mobile

Integrated learning differs from 'blended learning', which is often the mere juxtaposition of face-to-face and computer-mediated activities. Integrated learning scripts integrate

activities that occur in a variety of places (classroom, lab, field trip, home, work, and so on). The rapid transition between activities is facilitated by lighter/mobile hardware. High end scripts reach functional integration, i.e. they support data flow between multiple activities.

## Modeling Scripts

Project partners shared their scripts, which differ in many ways, but reflect a few pedagogical principles. We aim to translate these principles into design patterns. If a computational scheme for CSCL scripts could be integrated into e-learning standards, it would promote e-learning practices that are more innovative than those actually promoted by these standards.



Individual, group & class activities in the 'ConceptGrid' script

## Output

- A library of 20 scripts collected among members
- A review of candidate schemes for modeling scripts
- A description of the core mechanisms of CSCL scripts

MOSIL ended in December 2004 but a European Research Team continues this research within Kaleidoscope.