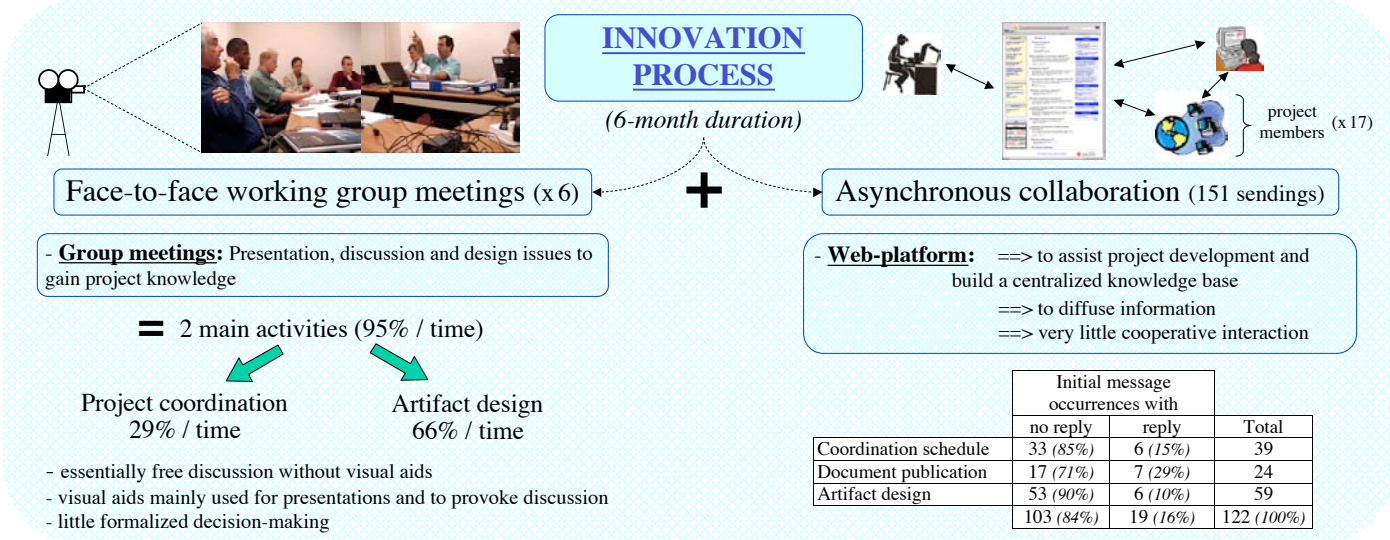
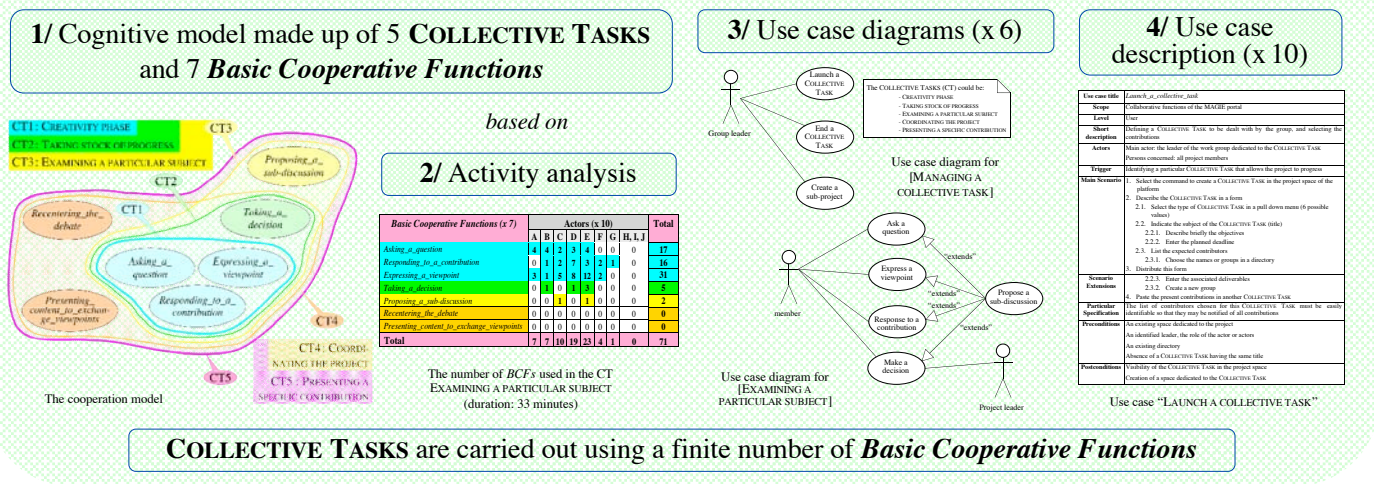


# Enhancing the innovation process in the automotive industry with a Web-based collaborative platform



## DESIGN: The cooperative functionalities of the new Web-based platform (4 stages)



COLLECTIVE TASKS are carried out using a finite number of Basic Cooperative Functions

## Scenario based assessment VALIDATION Results

**Realistic scenario in an industrial workplace:**

- 24 pre-established stages for 5 users
- 2-day time scale
- 5 assigned roles
  - project assistant
  - project manager
  - specialist roles (x3)
- Task assigned stages:
  - Launch a COLLECTIVE TASK
  - Notify project members
  - Express a viewpoint
  - Publish document
  - Complete a COLLECTIVE TASK
  - ...

**Benefits and limitations of this cooperation protocol:**

- ➔ Its straightforward dialogue structure and limited choice of Basic Cooperative Functions ensure a short training period;
- ➔ Its interaction logic is modelled on the intentions of the users' exchanges;
- ➔ It allows a true integration of asynchronous and synchronous functions;
- ➔ Visibility of exchanges is useful for group awareness, but cooperation can only be used satisfactorily for dialogues between two (or, at most, three) persons.

### Conclusion

UML as a dialogue tool between psychologists and computer developers

More details see:

F evrier Quesada, T., Darses, F., & Lewkowicz, M. (2003). Une d marche centr e utilisateur pour la conception d'un portail coop ratif d'aide   l'innovation. *Revue des Sciences et Technologies de l'Information, S rie : Ing nierie des Syst mes d'Information (RSTI- ISI)*, Volume 8(2), 11-31.  
<http://www.cnam.fr/ergonomie/>

### Perspectives

**Current analysis:**  
 CT (COLLECTIVE TASKS) ==> Collective goals  
 BCF (Basic Cooperative Functions) ==> Individual contributions

**Further research:**  
 Individual vs collective contributions in terms of:  
 ==> content  
 ==> problem-solving  
 ==> benefits to an innovation project