IS1404 E-READ: Evolution of Reading in the Age of Digitization

Position paper

Name: Xavier APARICIO

WG(s):

WG1: Continuing/skilled (PISA-age) reading
WG3 : Experiential and emotional aspects of reading

1. **Potential research contribution** in light of, or linked to
A. WG interest and Scientific programme:

I am Assistant Professor in Cognitive Psychology at the University of Paris-Est Créteil (UPEC), training future teachers at the ESPE (Superior School of Professorship and Education). I work in the subject of Electronic Reading and I am interested in the theme of two working groups WG1 and WG3.

For WG1, I collaborate with Thierry Baccino and Olga Megalakaki. The aim of our research is to create a platform of tests assessing reading on different electronic media (computers, interactive whiteboards, iPads, etc.) via five dimensions: comprehension, memory, attention, legibility and visibility. These tests will yield a reading quotient (RQ) calculated from a linear combination of the different dimensions. In terms of adaptation, the results will provide a list of variables that need to be considered when adapting electronic media applications to different user profiles. This protocol could be included in benchmark assessment tools (e.g., PISA), where electronic reading is one of the core skills that are assessed, and will encourage the development of methods and assessment tools that are scientifically validated and tested in ecological situations.

For WG3, I am currently working with Olga and Thierry to collect the production of emotional texts in children. I supervise several master students, currently collecting data in several schools in Paris suburbs. These texts will be used later to observe children behaviors when they read these texts in different electronic devices. We also plan to use eye-tracking systems to better observe children behaviors.

B. Action objectives (pages 7-10 in the MoU):

- Understanding of reading comprehension difficulties and strategies, as well as the links between the various dimensions of e-reading (comprehension, memory, attention, legibility and visibility). (WG1)
- Assessing electronic devices that take into account both the system and its interaction with the user.

- Measure individual electronic reading performances. (WG1)
- Children behaviors of reading emotional texts in different electronic devices. (WG3)

2. Interest in

A. organizing and/or participating in a **short-term scientific mission (STSM).**

Optional: pursuing what research questions/projects; where to/with whom; linked to what objective(s) of the Action:

I would like to participate in a STSM concerning E-reading activities (WG1) and emotional aspect of reading (WG3).

B. organizing and/or participating in a **Training School** (please indicate what kind of training [theoretical; methodological; technical]).

Optional: linked to what objective(s) of the Action: