

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

## Position paper

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WG(s): 3

### 1. **Potential research contribution** in light of, or linked to

A. WG interest and Scientific programme: As stated in the MoU process of reading needs to be contemplated as a process where: "(1) reading is human-technology interaction; and (2) reading is embodied and multisensory". These aspects are of great interest in researching experiential and emotional aspects of reading which is the objective of WG 3 and WG 1. The influence of physical environment on the reader is the area where I intend to provide scientific input by conducting research on differences in reading regarding different emotional and experiential environments of readers. Different physical environments with specific characteristics can produce various emotional and experiential influences on the reader thus influencing differently the reading process and its results. Multisensory inputs from the environment of the reader can influence his/her interaction with the technology employed in the reading process which complicates research of environment on the reading process because one needs to look at both aspects of environment influences: the human-technology interaction i.e. emotional and experiential relation with the technology in different physical environments, and all other aspects of the reading process that are not directly technology related. The research is envisioned as a basic research using advantage of availability of different reading rooms in the library providing different physical environments with different physical, but also different emotional, motivational, psychological and social influences on reader.

B. Action objectives (pages 7-10 in the MoU): Furthering knowledge on the influence of different environments on digital reading can provide significant attribution to achieving action objectives especially in: establishing metrics for reading process in different environments, establishing relevant indicators of reading process and in developing recommendations for industry and pedagogy field. Influence of environment on emotional and experiential aspects of reading can be described and measured and this knowledge incorporated into metrics and indicators describing reading in different environments. Also recommendations for industry and pedagogy also need to be defined in line with certain scope of environmental variables valid for a given reading environment, both quantitative e.g. noise level, temperature, humidity and qualitative such as additional emotional, psychological or social motivation for deep reading or additional distraction in same fields coming from the environment.

## 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 with an institution that have more experience in researching basics of reading process in an effort to emulate existing research techniques in studying research such as eye movement and others in researching the influence of environment on reading.

### 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: Technical training in using equipment for eye tracking and some other equipment unavailable at my institution that may be used for researching certain aspects of reading process in various physical environments.