

Call for Papers – Special Issue

Psychologie Française

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Sustainable development

New perspectives in ergonomic psychology and ergonomics

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Scope of this special issue

For ten years now, ergonomics has experienced a particular renewal: a more explicit focus on sustainable development. Several publications (mainly in English) characterise this renewal, introducing ethical, theoretical and methodological challenges. These recent works conceptualize new relationships of ergonomics with « pro-nature » action (e.g. Thatcher, 2013), ecology (e.g. Garcia-Acosta et al., 2014) and/or economy (e.g. Zink and al., 2008) for example. Others reappraise the potential joint contributions of micro, meso and macro-ergonomics approaches in order to reach *sustainability of system of systems* (e.g. Yeow & Thatcher, 2016). These works imply different definitions of sustainable development (Thatcher et al., 2014) that ergonomics should now explicit and question.

Within the francophone area, this renewal is beginning to emerge (e.g., Duarte et al, 2015. Guibourdenche et al., 2016). So one might wonder how the francophone approaches to ergonomics – their theoretical, methodological and epistemological fields – might address the issues surrounding sustainable development. For example, Dekker et al. (2013)'s rather sharp criticism of *Human Factors* implies to orientate research with less « problem-solving » and positivist approaches, or to pay more attention to approaches developed by social sciences. In this context, wouldn't French-speaking ergonomic psychology and ergonomics have a heritage (e.g. around the analysis of real activity *in situ*) to emphasize and (re)develop in order to contribute to international discussions on sustainable development? Understanding these issues requires that researchers in francophone ergonomic psychology and ergonomics dare thematize more explicitly sustainable development and/or some concepts of ecological thinking (e.g. sustainability, energy efficiency, equity, etc.). Finally, what dialogue could we create between sustainable development and activity analysis in the tradition of ergonomics and ergonomic psychology (e.g. Gaillard & Chauvin, 2016)?

Objective and approach of this special issue

Initiated as part of the *Designing for Sustainable Development* committee of the ARPEGE¹ association, this issue will serve to assess the possible links and complementarities between francophone ergonomic psychology and ergonomics, and international approaches to sustainable development in *Human Factors & Ergonomics*. Through the presentation of original researches taking into account the publications in ergonomics international literature, it will show how ergonomic psychology and ergonomics could contribute to sustainable development, or should instead transform some principles and foundations.

Note for authors

Authors wishing to submit may not have explicitly worked on sustainable development in ergonomic psychology and ergonomics yet. Their submission must however be based on a presentation of empirical results in order to:

- Expose/discuss their approach to sustainable development

¹ Association for Research in ErGonomic Psychology and Ergonomics - <http://arpege-recherche.org/home>

- Demonstrate how their approach could contribute to a renewal
- Discuss the limitations and perspectives of their work

Submissions in ergonomic psychology and ergonomics may come from the widest possible range of domains (e.g. agriculture, energy, mobility etc.), settings (e.g. work, home, education etc.) and issues relating to sustainable development or sustainability (e.g. energy management, transition, sustainable mobility). Submissions should refer to an explicit definition of sustainable development and/or sustainability. Discussions may focus on issues of ethics in ergonomics and sustainable development, on theoretical frameworks and methodology.

Sample of issues (non-exhaustive)

To what extent might approaches to real individual/collective activity, lived experience, appropriation or development contribute to the treatment of sustainable development in ergonomic psychology and ergonomics? What are their strengths and limits in relation to recent publications linking ergonomics and sustainable development? What are the implications of theoretical approaches in research practices? What kind of issues emerge from the practice of longitudinal or multi-level field studies in ergonomics research on sustainable development? What is the potential fecundity of the methodologies of intervention on human activity in organizations? What tools and methods must be developed (e.g. simulation, participation etc.)? What clues might help to assess the contributions and limitations of approaches to sustainable development and/or sustainability?

Submission guidelines

- Contributions can be written **in English or in French**.
- The **initial proposal** should include a title, authors' names and institutions, e-mail address of the corresponding author, 5/6 keywords and a summary of **800 words maximum**.
 - Please send your initial proposal to: julien.guibourdenche@utt.fr and beatrice.cahour@telecom-paristech.fr
- **Final paper length** : between **50000 and 80000 signs**.
 - The manuscript should be sent online at : <http://www.journals.elsevier.com/psychologie-francaise>
- Please see <https://www.elsevier.com/journals/psychologie-francaise/0033-2984/guide-for-authors> for more informations

Timeline

- **December 15th, 2016** - Deadline for sending your initial proposal
- **January 15th, 2017** - Notification of proposal's acceptance or rejection
- **May 1st, 2017** - Deadline for submitting your manuscript online (please see <http://www.journals.elsevier.com/psychologie-francaise>)
- **October 1st, 2017** - Notification of acceptance (with minor/major modification) or rejection
- **January 15th, 2018** - Deadline for the submission of revised manuscripts
- **March 30th, 2018** - Notification of final acceptance or rejection
- **June 15th, 2018** - Deadline for the submission of the final manuscript (latest corrections / alterations requested)
- **September 1st, 2018** - Transmission of the special issue to the editorial board of Psychologie Française
- **Early 2019** - Publication of the special issue

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