

Séminaire Aristote Accréditation des résultats de la Recherche : La vérité est ailleurs?!

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***Impacts of the digital revolution on two main activities of scientists:  
communicating and qualifying***

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The digital revolution strongly impacts the way we are developing research in all scientific domains.

This talk focuses on two main activities of scientists: communicating and qualifying. The emergence of scientific social networks as well as the current availability of public archives like HAL or arXiv allows for the emergence of epi (or overlays) journals as well as epi-conferences. This way of communicating, based on clear distinction between publication and qualification provides open access alternatives to the current offerings of the main commercial publishers, mainly based on the so called ``gold open-access''. We will show how this is implemented through episciences.org a common initiative of the CNRS, Inria and University of Lyon and the examples of two such epi-journals in the domains of informatics and applied mathematics. We will also address questions related to the actual changes in editorial models (open submission, open peer-review, augmented publication, business model) that such a platform is likely to raise.