

English translation of the CADI Discovery mention in the Artificial Intelligence: Labor report

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Page 76 of the report in the recommendation session

*“Organizations may also greatly benefit from the development of their own decision-making support tools. This would allow them to continuously expend and adapt their core competences to AI tools while improving their grasps of decision making processes. This is particularly desirable in complex domains where the costs of mistakes are high, such as the medical world. For example, members of Centrale Santé (open professional group of the Centralien Association) created Bio-Modeling Systems in 2004 in order to develop CADI (Computer-Assisted Deductive Integration) an operational heuristic modelling platform aiming to promote learning and generate continuous improvements in the core competences attached to medical research. This platform has led to the vocational training of “integrative” biologists, the objective being to endow them with increased competences in both analytical biology and the utilization of algorithms developed by bioinformatics specialists. By enabling the generation of novel hypotheses and/or the challenging of existing programs or expert’s recommendations, this decision-making support platform places core competences at the heart of decisional processes. Hence, this decision-making support tool promotes the development of medical practice protocols (description of practice within a domain) supervised by core competences which can then be transformed into algorithms through pluridisciplinary (biologists, informatics specialist, etc.) decisions. This type of tool thus aims to ensure “controlled” and contextualized decision-making processes adapted to the needs of the users and the complexity of their fields of application. “*