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Computational appraisal for enhancing data value measurement: recent researches and lessons learned for scientific data governance Recap of main tested ideas

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Recap of main tested ideas

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QADEPs (2012-2013)
Quality of Public Electronic Data and Documents aims to identify and measure the qualities of digital archives in order to better systematize their assessment.

Appraisal Systematization

Outputs : set of variables for the operationalization of the appraisal criteria and a tested method for their application

Infonomics (2013-2016)
Infonomics sought to appraise and value Information Assets (IA) with a multidisciplinary approach, based on three dimensions: data values, costs and risks. Infonomics sought to appraise and value Information Assets (IA) with a multidisciplinary approach, based on three dimensions: data values, costs and risks.

Outputs : A conceptual and operational framework for the evaluation of IAs, use cases, a maturity model and appraisal metrics derived from the three dimensions and a methodology for evaluating and pricing IAs

Appraisal Automation

Archiselect (2017-2018)
Archiselect aims to provide an aid for the process of macro- and micro-appraisal of both, structured digital files and unstructured data sets in the context of public or private administrations.

Outputs : An algorithmic approaches and data mining methods were then tested to propose measurable and computational data appraisal metrics

Appraisal Smartification

Maturity Assessment for Appraisal in the AI Age (2023 – 2025)
Assessing the maturity of appraisal processes and tools will allow us to identify the archival, technical, technological, cultural, and strategical barriers and facilitators to effectively apply AI tools for appraisal processes.
InterPARES Trust AI - Artificial Intelligence

It will addresses the following questions:
1) how defensible are current appraisal decisions?
2) How stable, coherent, and reproducible are appraisal practices?
3) What are the prerequisite conditions of AI integration to a given appraisal practice?
4) How are data, records and archives prepared to be appraised automatically and or "smartly"?
5) What are the complementary actions to upgrade appraisal practices for the AI facilities?

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