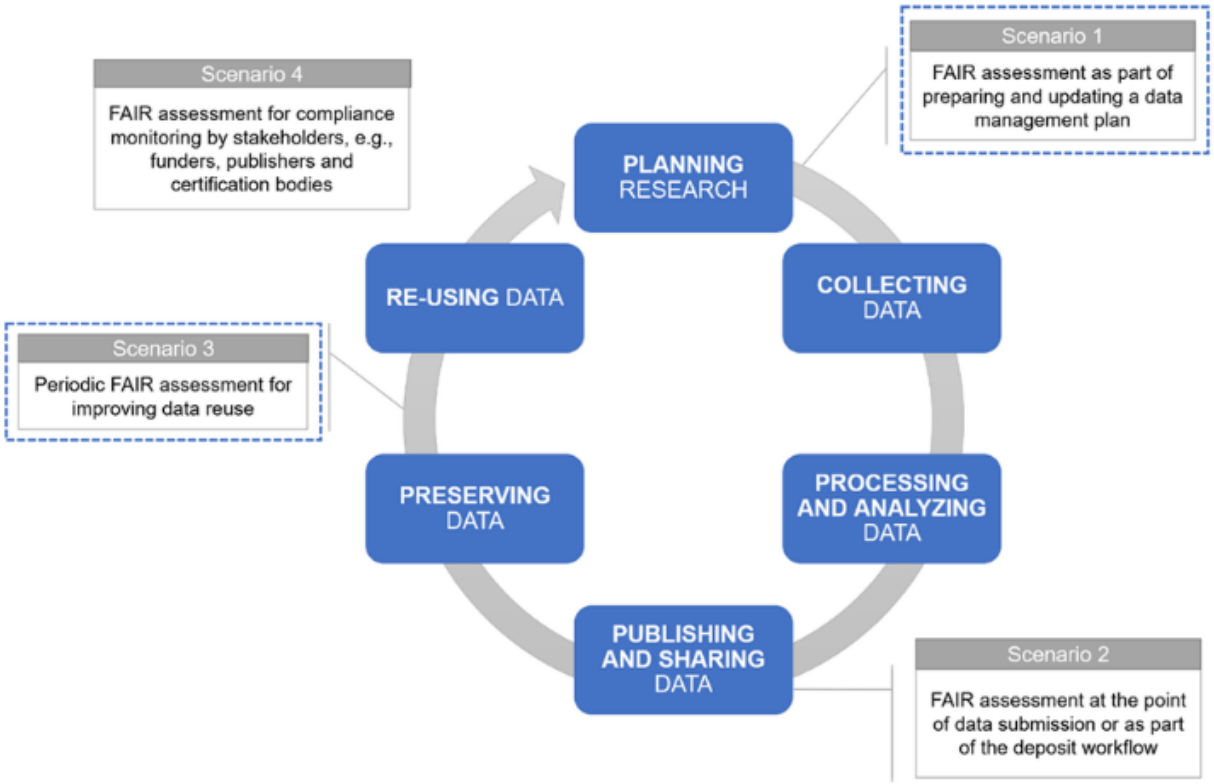

01 March 2021

Funders and policy makers have strongly recommended the uptake of the FAIR principles in scientific data management. Several initiatives are working on the implementation of the principles and standardized applications to systematically evaluate data FAIRness. This paper presents practical solutions, namely **metrics and tools**, developed by the FAIRsFAIR project to pilot the FAIR assessment of research data objects in trustworthy data repositories.

The metrics are mainly built on the indicators developed by the RDA FAIR Data Maturity Model Working Group. The tools' design and evaluation followed an iterative process. The autors present two applications of the metrics: an awareness-raising self-assessment tool and an automated FAIR data assessment tool. Initial results of testing the tools with researchers and data repositories are discussed, and future improvements suggested including the next steps to enable FAIR data assessment in the broader research data ecosystem.

The paper is part of the CODATA Science Journal special collection dedicated to the Research Data Alliance results, giving visibility to research results and outcomes stemming from RDA activities.

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About the paper

From Conceptualization to Implementation: FAIR Assessment of Research Data Objects

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