In computing, a Research Object is a method for the identification, aggregation, and exchange of scholarly information on the Web.

Poline et al. considered the critical issue of data and other research object standardization and, specifically, how international collaboration and organizations such as the International Neuroinformatics Coordinating Facility (INCF) can encourage that emerging neuroscience data to be Findable, Accessible, Interoperable, and Reusable (FAIR). As neuroscientists engaged in the sharing and integration of multi-modal and multiscale data, they saw the current insufficiency of standards as a major impediment in the Interoperability and Reusability of research results. They called for increased international collaborative standardization of neuroscience data to foster integration and efficient reuse of research objects [1)].

1)
Poline JB, Kennedy DN, Sommer FT, Ascoli GA, Van Essen DC, Ferguson AR, Grethe JS, Hawrylycz MJ, Thompson PM, Poldrack RA, Ghosh SS, Keator DB, Athey TL, Vogelstein JT, Mayberg HS, Martone ME. Is Neuroscience FAIR? A Call for Collaborative Standardisation of Neuroscience Data. Neuroinformatics. 2022 Jan 21. doi: 10.1007/s12021-021-09557-0. Epub ahead of print. PMID: 35061216.