CODEMETASOFT

OSCARS
Open Science Clusters' Action
for Research & Society

The CODEMETASOFT project aims to develop a comprehensive framework to streamline the management, enrichment, and propagation of research software (RS) metadata, thereby enhancing interoperability and supporting the scientific community's efforts to leverage software in research effectively.

ENVRI Environmental Sciences

PaNOSC Photon and Neutron Science

ESCAPE Astronomy, Nuclear and Particle Physics

SSHOC Social Sciences and Humanities

LS RI Life Sciences

OTHER

Challenge

1) There is no framework to ease the adoption of software metadata.
2) Software metadata consistency and curation are performed by hand.
3) There is a lack of automated tools to suggest enhancements and fill gaps in RS metadata.

Solution

CODEMETASOFT will develop an innovative framework based on the CodeMeta vocabulary. It will feature an Autocomplete CodeMeta Wizard adopting CodeMeta as a common metadata interchange format, to simplify the creation of metadata records and automate the management, enrichment and propagation of RS metadata across RS project files.

Scientific Impact

The implementation of CODEMETASOFT is poised to enhance the quality and consistency of Research Software metadata across Europe, promoting better compliance with FAIR principles.

Partners

Universidad Politécnica de Madrid, Laboratoire d'Annecy de Physique des Particules (LAPP), CNRS

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