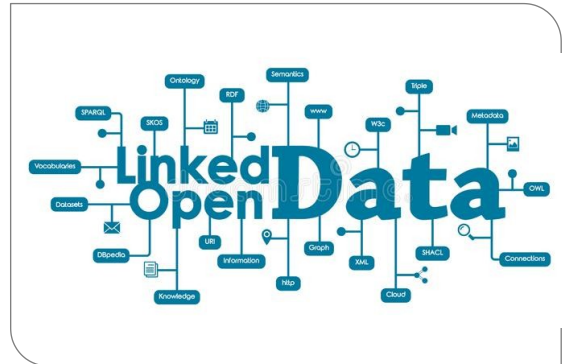


BACHELOR'S THESIS / MASTER'S THESIS / HIWI-JOB

Background:

At the Institute for Applied Materials (IAM) of the KIT, the open-source software Kadi4Mat (<https://kadi.iam-cms.kit.edu>) is being developed in the context of several research projects. Kadi4Mat is a virtual research environment whose goal is to support researchers in efficiently managing, analyzing and reusing research data.



Your Tasks:

The objective of this project is to enable interoperability between different ELNs which agreed upon exporting the resources in a specific format. This format follows RO-Crate specification, developed to aggregate and describe research data with associated metadata. This specification uses JSON-LD (a lightweight Linked Data format).

Corresponding implementations are integrated into Kadi4Mat. The tasks includes for example, development of graphical user interfaces.

Requirements:

Knowledge of Linux and git are advantageous, as well as Python and/or common web technologies (JavaScript, CSS and HTML), depending on the area of application.

Organisational:

Depending on the current situation, work can be carried out flexibly from home or from a workstation at KIT Campus South, meetings are held on site or online. Communication can take place in English.

Interested?

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