

# GRADUATE SCHOOL EES



## Workshop “Advanced Research Data Management: Kadi-apy and Workflows”

### Goal

Automated data processing allows data sets to be processed in a faster, more reliable, and reproducible manner, making a significant contribution to the generation of FAIR research data.

In this workshop, participants will learn how to use command line tools for automated data processing.

In a first step the basic concept of Kadi4Mat is reviewed. In a next step, the software package kadi-apy is introduced, with which it is possible to communicate with the Kadi4Mat database via its programmatic interface. Possibilities to import and to export data will be discussed. In addition, the concept of workflows is explained using examples and exercises for the participants

### Target Group

All POLiS members, affiliates or collaborators who are interested in automated data processing.

### Schedule

The **online** workshop will be offered in **January 2021**, see **poll for finding the date 9.00 – 12.00 am** via Zoom.

### Requirements

A computer with an up-to-date browser and equipment for conference calls is mandatory.

No programming knowledge is required. It is recommended to use a terminal on your own computer (e.g. Windows PowerShell or Linux terminal with Python  $\geq 3.6$  ready), but there is also the possibility of an online solution via <https://replit.com/>, which will be explained during the workshop.

### CPs for GS-EES

GS-EES members have the possibility to gain 0.5 CP within “Good Scientific Practice / Research Ethics”. For this, after participation in the workshop, the completion and submission of an exercise with an own data set is required.

### Poll

Please tell us at which date you could take part via this [poll](#) until December, 3rd 2021.