Contribution ID: **26**   Type: **not specified**

Stingy Computing

With ever-increasing data volumes pushing the climate footprint of computing at large-scale research facilities to record-high levels, we need to take a very critical look at our current software algorithms and drastically reduce the energy consumption of data analysis and storage solutions. The main questions to ask are - Is AI an unquestionably good idea for science? After an experiment, do we need all the data, all the time, for ever? Can we perform reproducible science while being stingy with our energy consumption? There are collaborative efforts in the software development community to address energy challenges - and ErUM-Data could benefit from joining and/or getting inspired by such efforts.

Sustainability

AI / Sustainable Programming & Footprint

Ethics

Primary author: KARTIK, Vijay (FS-SC (Scientific computing))

Presenter: KARTIK, Vijay (FS-SC (Scientific computing))

Session Classification: Sustainability