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Carbon life cycle modelling of scientific computing

Thursday 18 April 2024 09:00 (25 minutes)

By modelling the life cycle emissions for a given unit of scientific computing under various scenarios of hardware replacement and computing facilities (including the emissions from the local power generation mix), we can find optimal computing hardware replacement cycles in order to minimize carbon emissions.

The majority of this work was presented at ISGC on March 28th: https://indico4.twgrid.org/event/33/contributions/1419/ but we intend to improve it based on the lively audience discussion the ISGC presentation generated.

Desired slot length

Speaker release

Yes

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