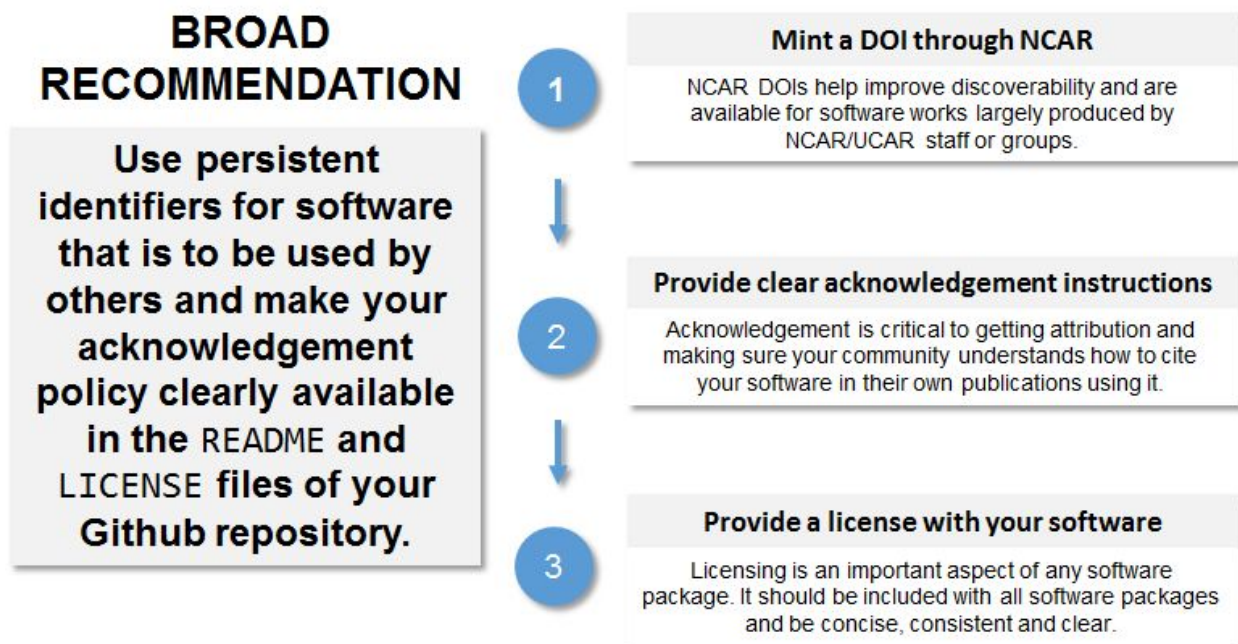


NCAR Software Citation Recommendation 2020

With over 500 repositories in the NCAR Github organization repository (<https://github.com/NCAR>), there is an obvious need to develop and understand the scientific software practices and norms within the organization. In the first quarter of 2020, the NCAR library developed a brief software citation survey to understand the needs of scientific software producers at NCAR. The survey focused on questions about citation practices, persistent identifiers for software, licensing, tools, and platforms supporting software archiving, among other things. The data-driven recommendations in this document were informed directly by the survey responses.

Software creators may benefit in a number of ways from more consistent software archiving and citation practices. First, software citations are increasingly tracked and associated with corresponding research, resulting in an additional metric for the software's impact (complementing software download and contributor metrics). Second, formalizing a recommended citation for a software package clarifies the attribution of responsibility and recognition for the software's creation. Third, there is value in advertising a software use policy via formal means (e.g., established software licenses) or informal usage statements. In sum, the following recommendations are intended to advance the idea that software is a first class research asset.



The NCAR library has staff and resources available for you to begin an initial consultation to understand how you might begin to implement these recommendations. If you already have a software repository that you would like reviewed for alignment with these recommendations, please contact us. For more information please visit: <https://ncar.github.io/software-citation>.

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