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## Publishing Data Packages session notes

**Q**:  What recommendations does ESS-DIVE have on the choice of packaging data by data type for ease of reuse and synthesis, as compared to combining disparate data types in a support of a single publication?
**A:** Most data goes through a processing/quality-check process before being analyzed (e.g. custom code, specific software) - should we upload both raw and ready data, or just ready data and description of upstream procedures?
**Follow-up Q**: meaning that the same data could be included in multiple packages if it is used in multiple publications?
**A**: Yes, you can store the same datasets in multiple data packages. We have a related references field where you can link different data packages.

**Q**:  If the data has been published the methods taken from the publication?
**A:** we recommend that you include detailed methods about how your data was produced, including data processing methods, qaqc, and any information needed to understand how the data itself were produced. It often contains more information about the data than your paper methods might have. It also helps with data searches, as the terms in methods will be searchable in ESS-DIVE. So, we recommend including methods in your dataset even if a paper has been published. However, it is an option to refer to a previous publication for methods.

**Q**:  Most data goes through a processing/quality-check process before being analyzed (e.g. custom code, specific software) - should we upload both raw and ready data, or just ready data and description of upstream procedures?
**A:**

**Q**:  Is it better to provide raw data + scripts for processing the data or raw data + processed data?
**A:** For raw data vs processed data -  you can store both on ESS-DIVE in individual or separate data packages. If you don't want the raw data to be used you can also just store them as private data packages for long-term archiving and reproducibility of your dataset

**Q**:  Is Ameriflux considered part of ESS-DIVE for archival requirements from DOE?  Or does a metadata package need to be created on ESS-DIVE?

**A:** you can store AmeriFlux data at ESS-DIVE. A few AmeriFlux sites have been using ESS-DIVE to publish data that is outside the standard variables that AmeriFlux publishes

**Q**:  What if a dataset is already available as zipped directories in the supplementary material of a published paper (in 2021). Is it recommended to record that dataset in ESS-DIVE? Journal needs are already satisfied and it should be safely stored for long term with the journal.

**A:** yes we definitely recommend storing SI info as a data package in ESS-DIVE. Depending on the journal, some require those to be in a long-term data repository. Also note that putting data in the SI does not ensure the data are freely and openly available to everyone, esp if the article is not open access.

**Q**:
**A:**

**Q**:
**A:**

**Q**:
**A:**