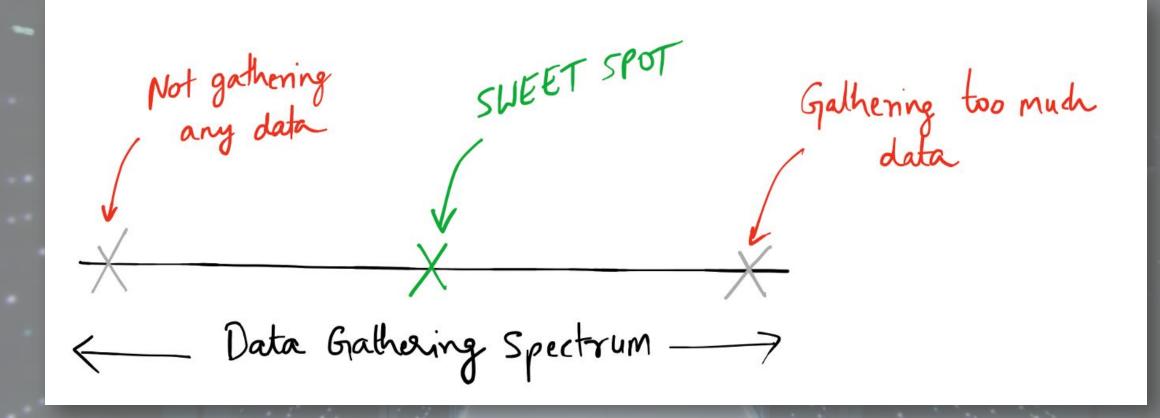


How long to keep data



Who is dependent on the data

Life of the project;
3-5 years after publication

Life of project;
3-5 years after all papers are published

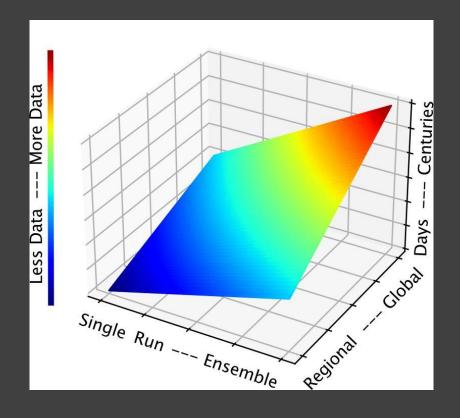
Collaborative Research Project

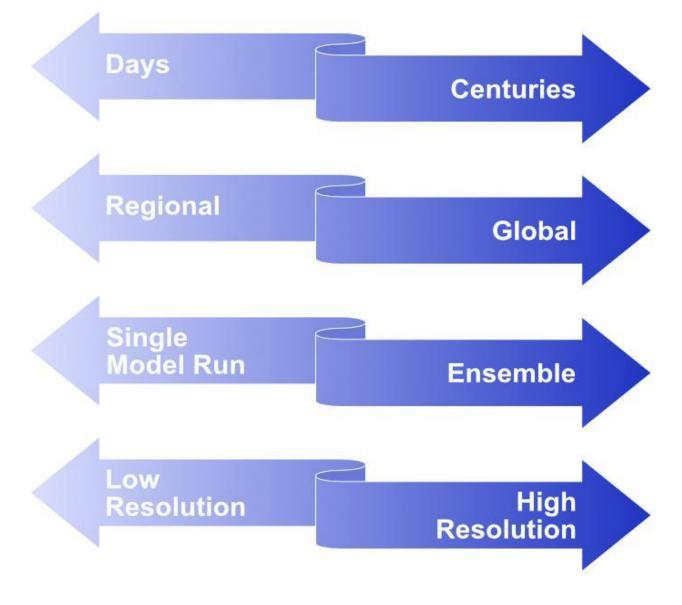
As long as the data is utilized by the community

Community Projects

Archiving data vs documenting the method and making code available

Complexity / Time to Create Data





Less complex data is easier to store Which fields/periods to keep



Reproducibility?

Repeatability – you can reliably repeat your own computation

Replicability - someone else can obtain the same results using the same setup as the author

Reproducibility - someone else can obtain the same result using independently developed code or the same code on a different machine

Should data be 100% reproducible?

Pielke et al. 2008 No! No trend 1900 2005

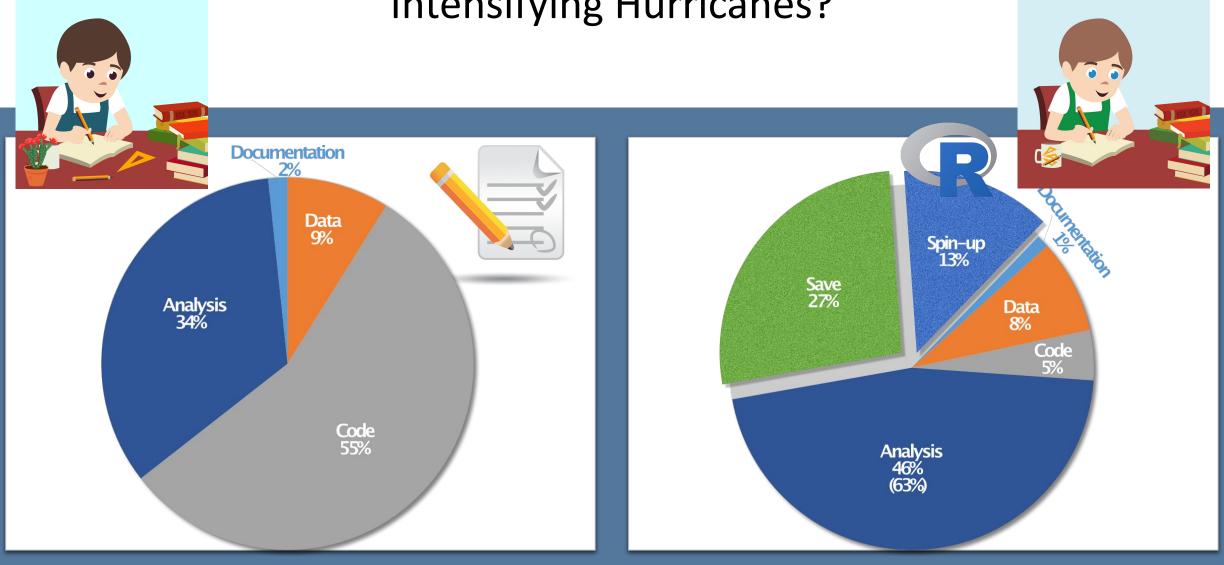


Typical example from the literature

• Typical example from the literature



Question: Environments Associated with Rapid Intensifying Hurricanes?





Requirements / Relevance

- To complete a project / or someone else is using the data
 - Can the simulation be re-run?
- Required by a project or publication
 - Is documentation and code a good replacement for data
- Are new data/models available that are more relevant / up-to-date
- Are the data needed for comparisons
 - Are old data needed to help with comparisons/evaluations purposes
 - Model improvement
 - CMIP3/4/5/6?



• I want to keep all my data, forever