

Biogeochemical Model Database bgc_md2

Why would you want a model data base?

- **Find** (rather than reinvent) **models** among **many** :

Arora2005GCB-1 ,CARDAMOM , . . . , Zelenev2000MicrobialEcology

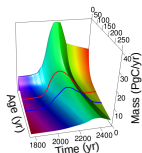
- **Inspect** and **compare** with common tools

$$\frac{d}{dt} \begin{bmatrix} leaf \\ wood \end{bmatrix} = \begin{bmatrix} \dots \\ \dots \end{bmatrix}$$

symbolically



graphically



numerically

- **Use** common **Infrastructure**

python packages: ComputabilityGraphs, CompartmentalSystems, 100+ Unittests, Github CI, Binder ...

- **Implement** new models **in a day** with $\frac{1}{10}$ of the code

by reusing vs. reimplementing common functions, starting from examples vs. from scratch

Why not? (Eager to listen to your ideas at the poster ;-)