



COMPADRE

Plant Matrix Database

 @compadreDB



COMADRE

Animal Matrix Database

 @comadreDB

The COMPADRE & COMADRE team



Archer



Buckley



Caswell



Che-Castaldo



Hodgson



Scheuerlein



Vaupel

“To say that humanity has been slow to explore the home planet is an understatement”

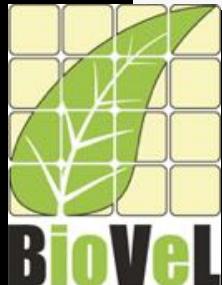
E.O. Wilson





Nutrient Network

DATLife



BioVeL



The Plant List



dispersal Diaspore Database

TRY

eOL
Encyclopedia of Life

NCBI Resources

GenBank



BIOEN

USDA Agricultural Research Service
ARS National Agricultural Library

THE ERA OF BIG DATA, BIG SCIENCE is here!

Big demography

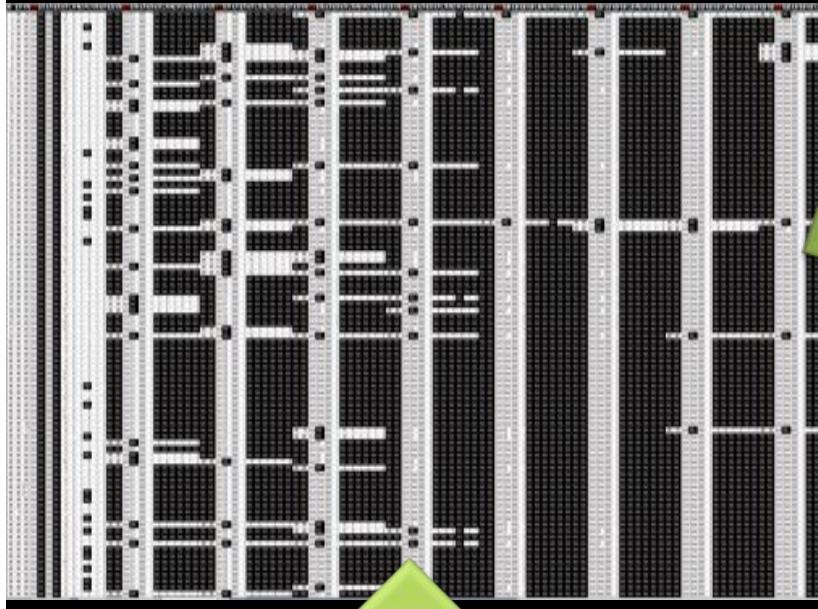


COMPADRE
Plant Matrix Database



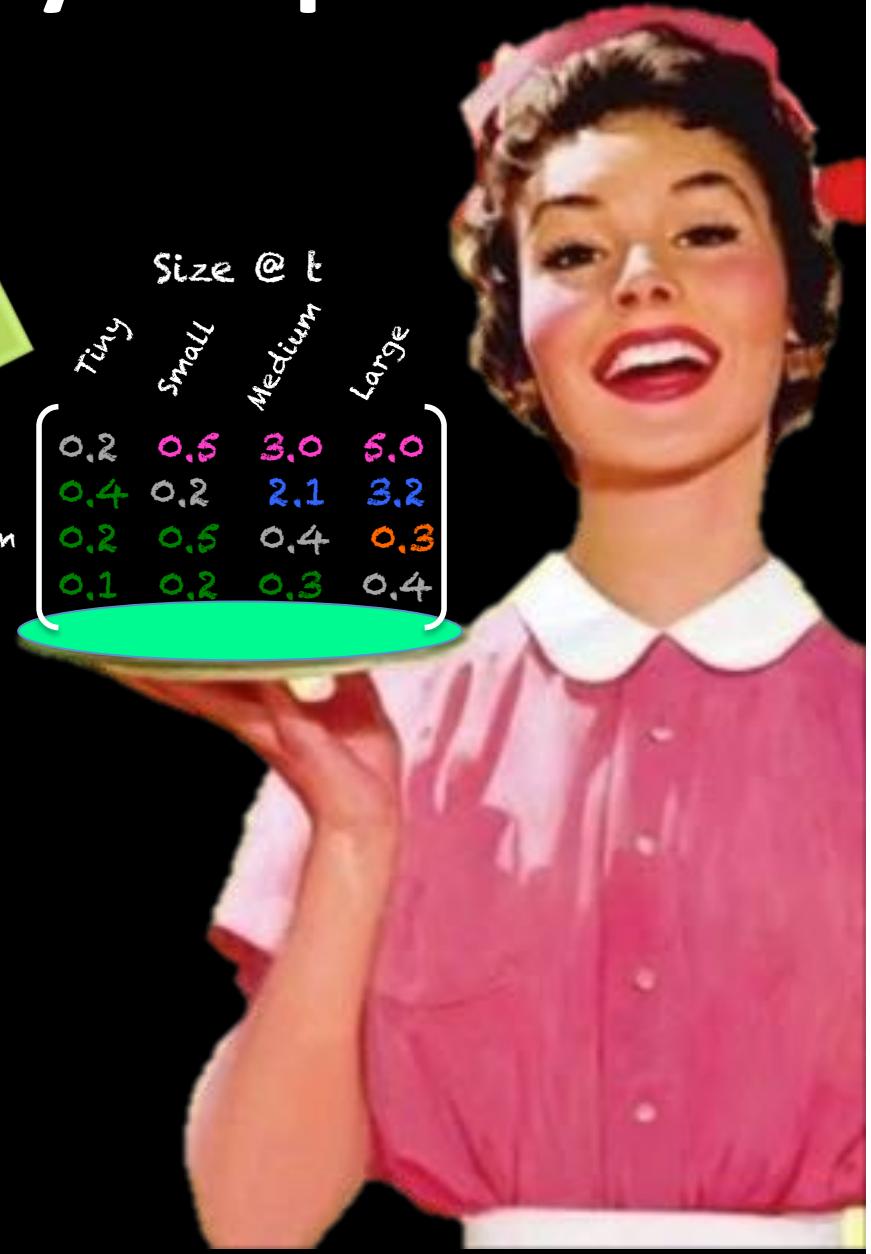
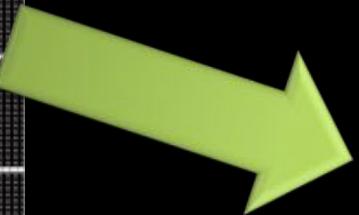
COMADRE
Animal Matrix Database

From the field to your plate!

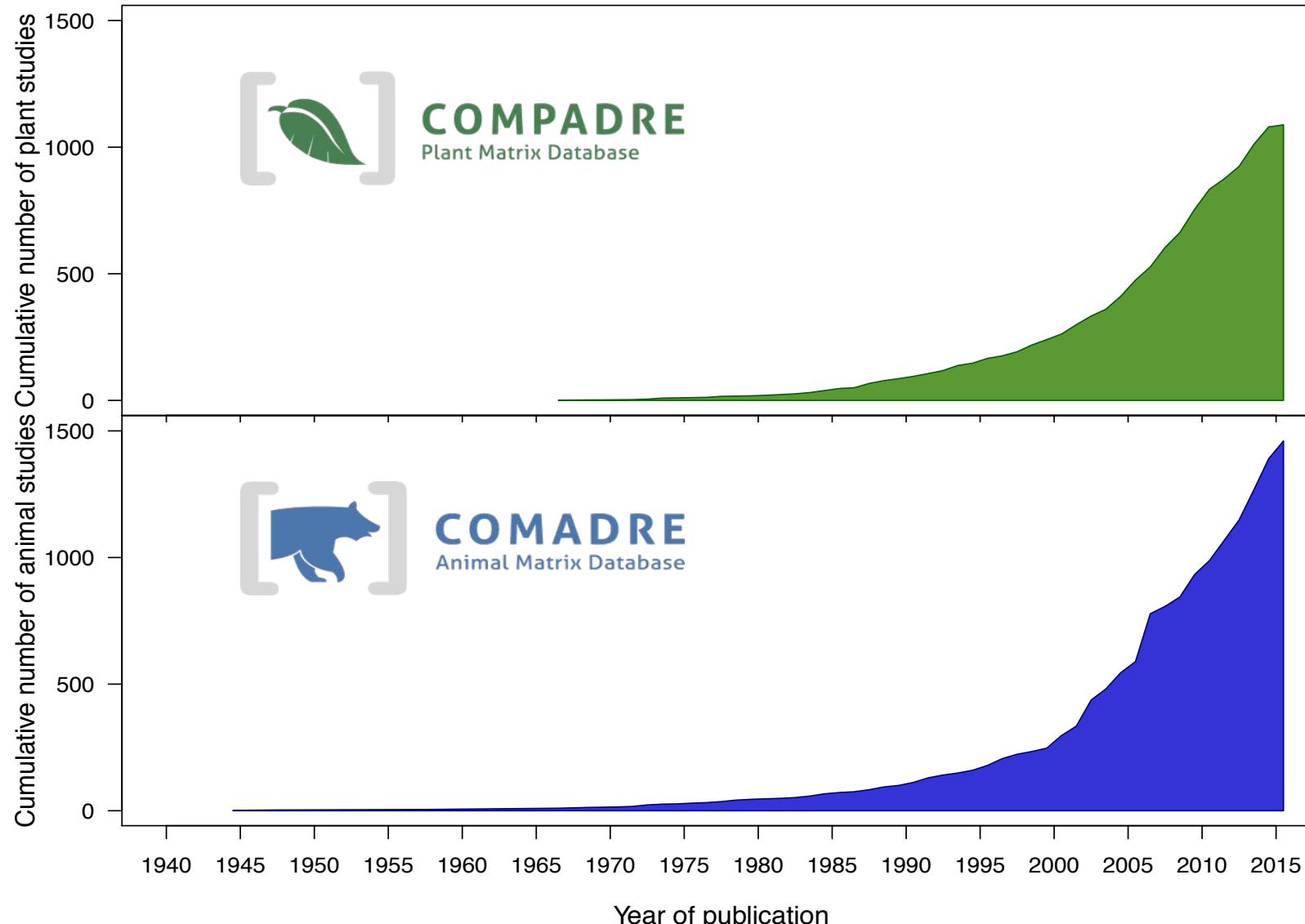


Size @ $t+1$

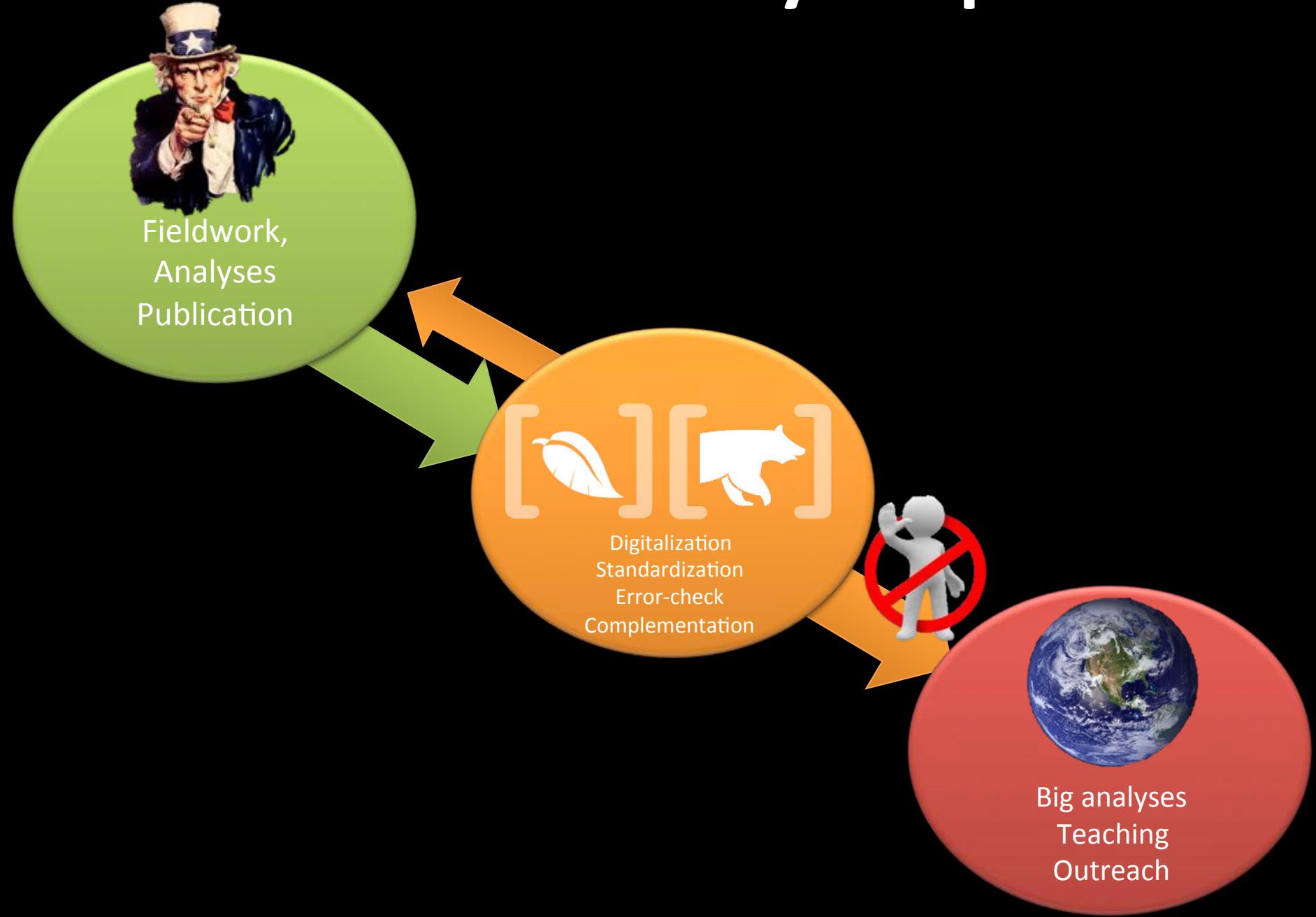
		Size @ t			
		Tiny	Small	Medium	Large
Size @ t	Tiny	0.2	0.5	3.0	5.0
	Small	0.4	0.2	2.1	3.2
Size @ $t+1$	Medium	0.2	0.5	0.4	0.3
Size @ $t+1$	Large	0.1	0.2	0.3	0.4



From the field to your plate!



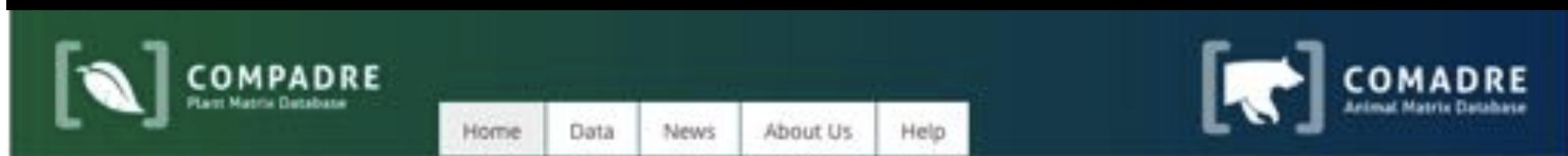
From the field to your plate!



COMPADRE ONLINE SEPT 2014

COMADRE ONLINE OCT 2015





The screenshot shows the COMPADRE Plant Matrix Database and COMADRE Animal Matrix Database websites. The COMPADRE logo on the left features a stylized leaf icon and the text 'COMPADRE Plant Matrix Database'. The COMADRE logo on the right features a stylized animal head icon and the text 'COMADRE Animal Matrix Database'. A navigation bar at the top includes links for Home, Data, News, About Us, and Help. Below the navigation bar, a welcome message reads: 'Welcome to the COMPADRE Plant Matrix Database and COMADRE Animal Matrix Database site! COMPADRE and COMADRE contain matrix population models of hundreds of plant and animal species.' A video player in the center displays a video titled 'COMPADRE Intro Rough cut', showing a woman in a red jacket sitting at a desk with a book, with a small animal on the desk.

Welcome to the COMPADRE Plant Matrix Database and COMADRE Animal Matrix Database site! COMPADRE and COMADRE contain matrix population models of hundreds of plant and animal species.



Both COMPADRE and COMADRE are open-access database. Although login is not required, we suggest that users [register](#) to obtain notification of data updates, useful code, and important news. By using these databases, users are agreeing to the COMPADRE and COMADRE [user agreement](#).



Home Data News About Us Help



Access the data here



What's in store?

COMPADRE and COMADRE contain thousands of plant and animal species with tens of thousands of matrix population models and ancillary information. These databases are under continuous development, and more data are released periodically. We maintain a list of species/studies "in store" that we have not yet released for COMPADRE and COMADRE. If you know of some species/study not included herein, please contact us with the source [here](#).

How are the data collected and error-checked

COMPADRE and COMADRE data are obtained from (mostly) published literature. We aim to be as transparent as possible about how this is done. You can find our data digitization protocol [here](#).

What is in COMPADRE? What is in COMADRE?

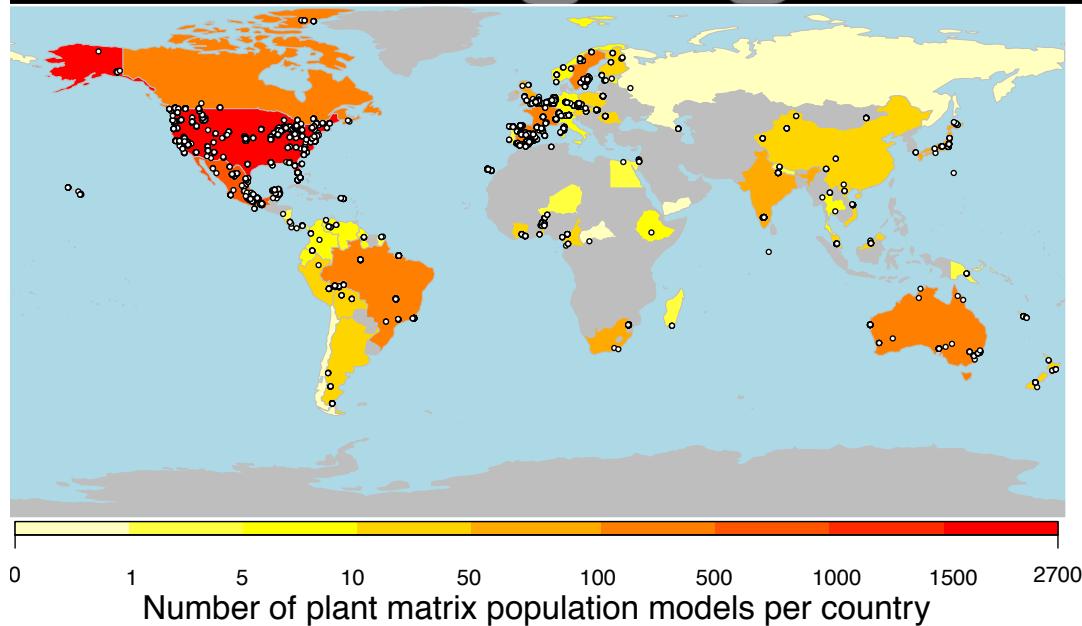
COMPADRE 3.2.1: >650 species, > 6000 matrices COMADRE 1.0.0: >340 species, > 1500 matrices



COMPADRE
Plant Matrix Database

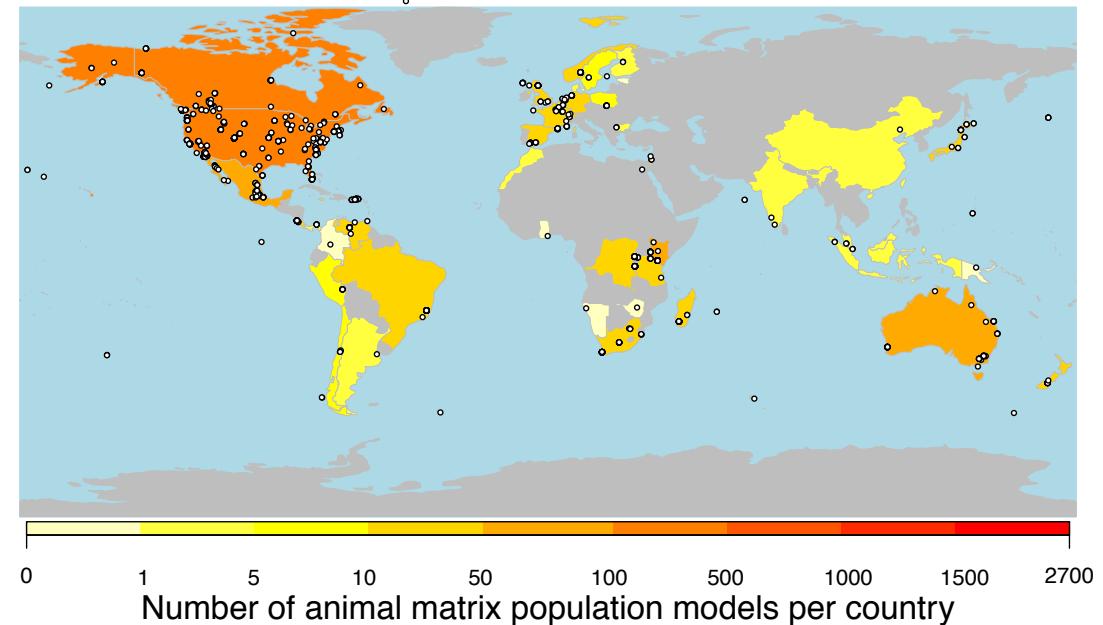


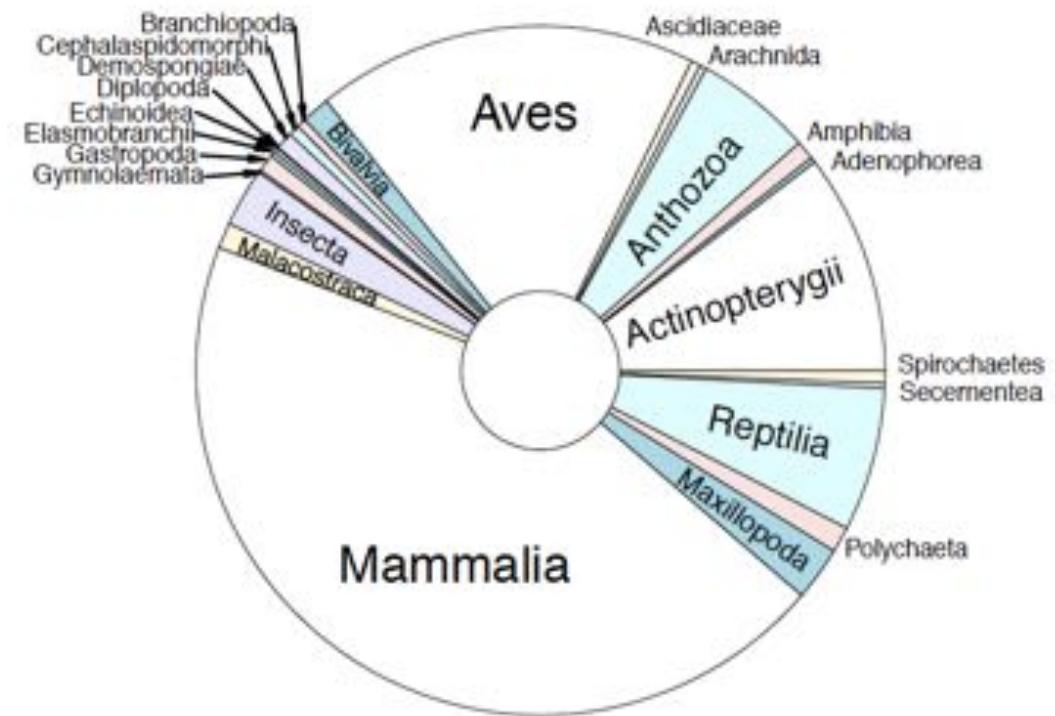
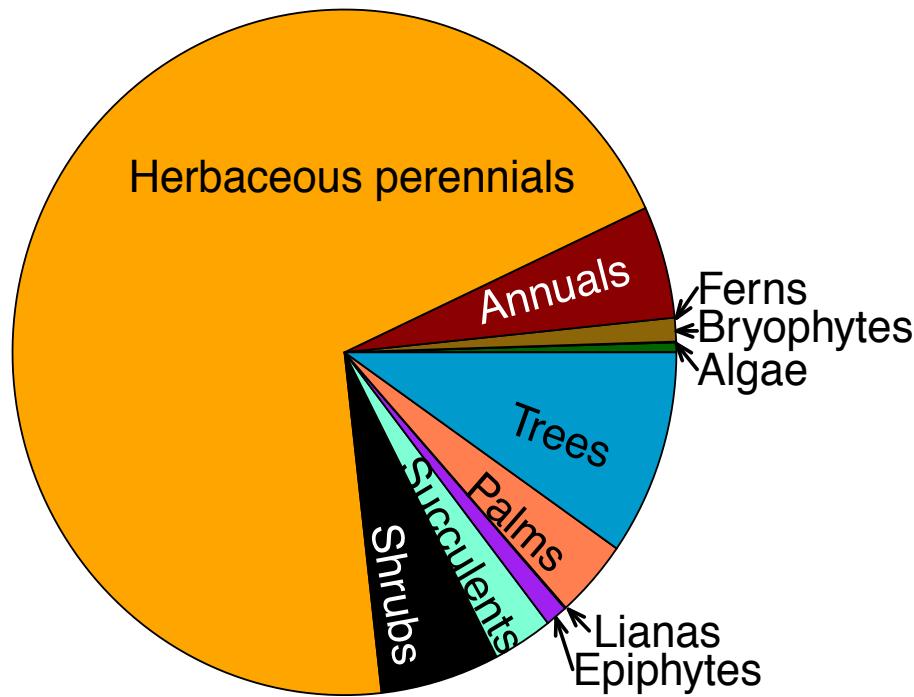
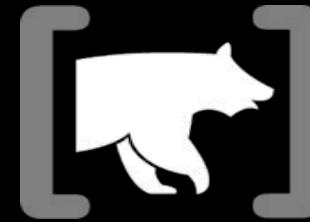
COMADRE
Animal Matrix Database



Salguero-Gómez et al. J Animal Ecol in review
bioRxiv – DOI 10.1101/027821

Salguero-Gómez et al. J Ecol 2015





COMPADRE
Plant Matrix Database

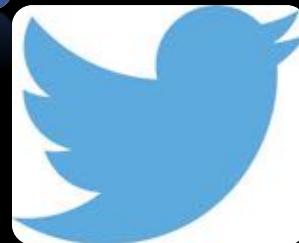


<http://compadredb.wordpress.com>

COMADRE
Animal Matrix Database



www.facebook.com/groups/compadrecomadre



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<https://github.com/jonesor/compadreDB>

Workshops:

Mexico: Sep 2014

Czech Republic: Aug 2015

ESA: Aug 2015

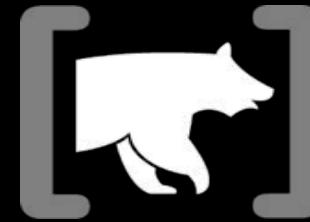
Netherlands: Oct 2015

BES: Dec 2015

MPIDR: April 2015



COMPADRE-R
R-Age
Salguero-Gómez & Jones *in prep*



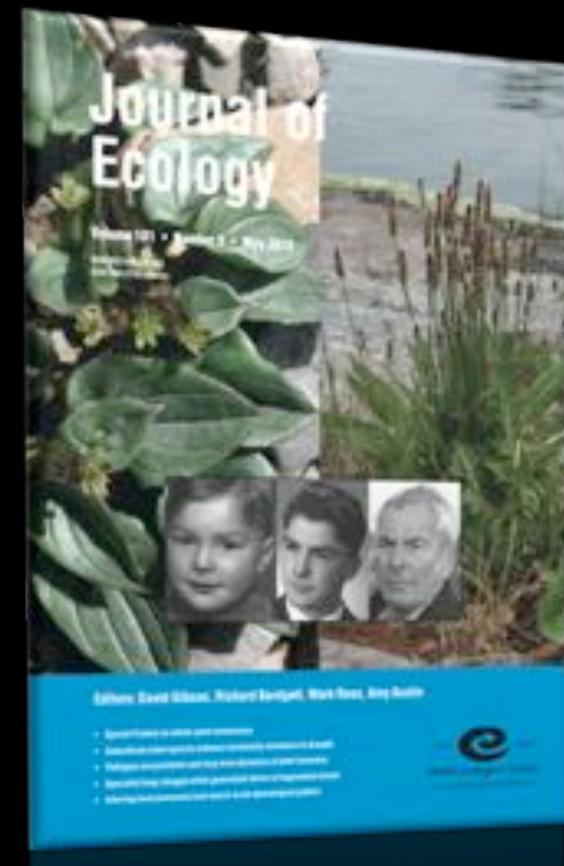
RESEARCH POTENTIAL



Jones et al. Nature 2014

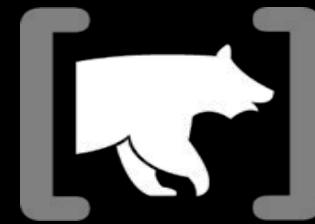


Adler et al. PNAS 2013

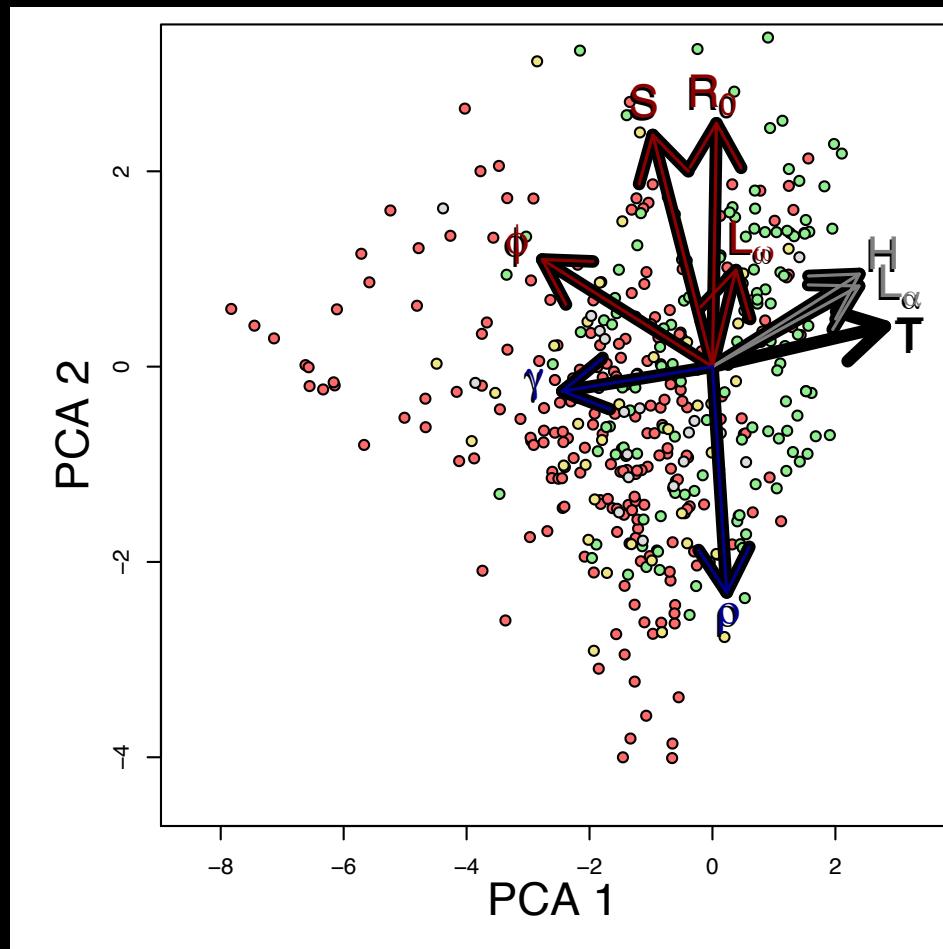


Salguero-Gómez et al. J Ecol 2013

35 peer-review publications... and >20 on-going projects

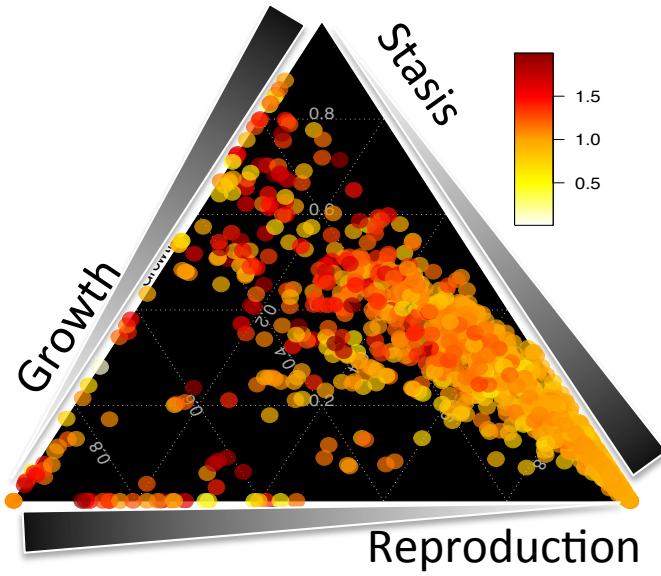


The fast-slow continuum and reproductive strategies structure plant life history variation worldwide



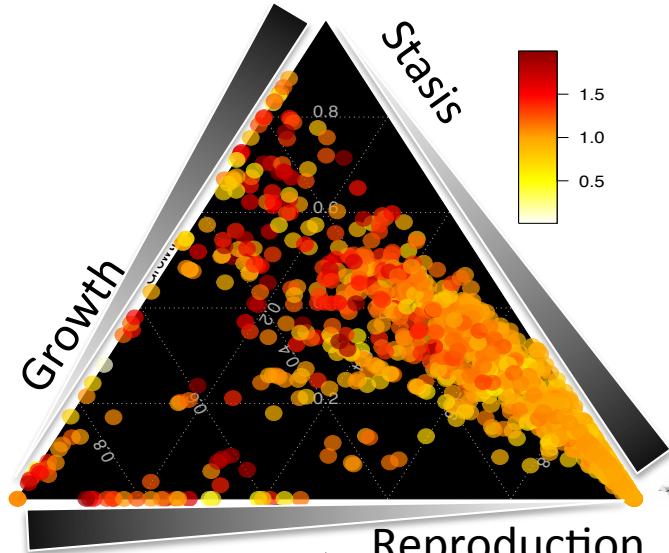


Population growth rate

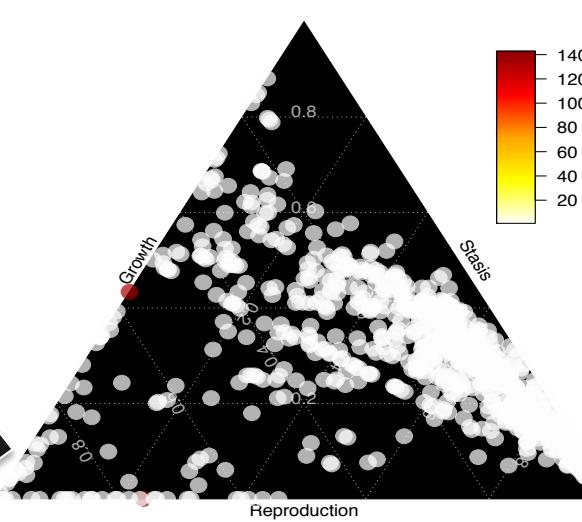




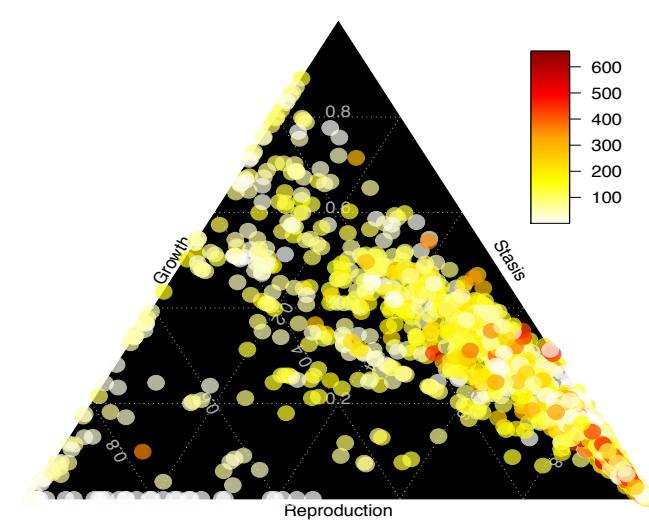
Population growth rate



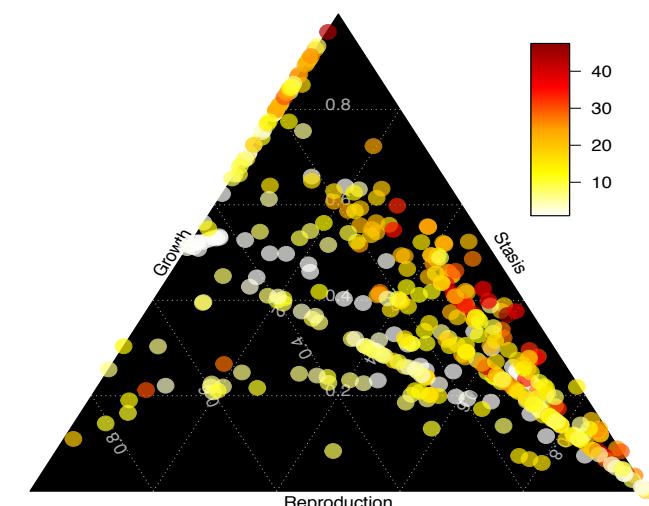
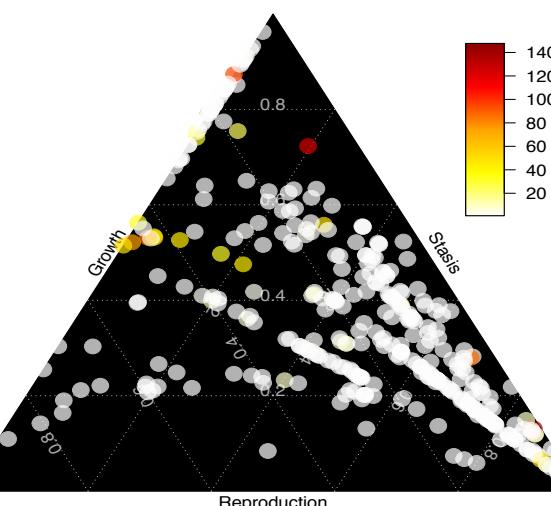
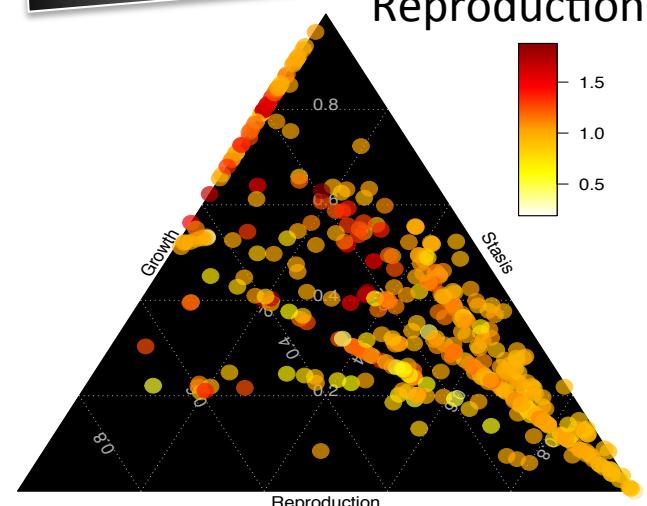
Reactivity



Mean life expectancy



Reproduction

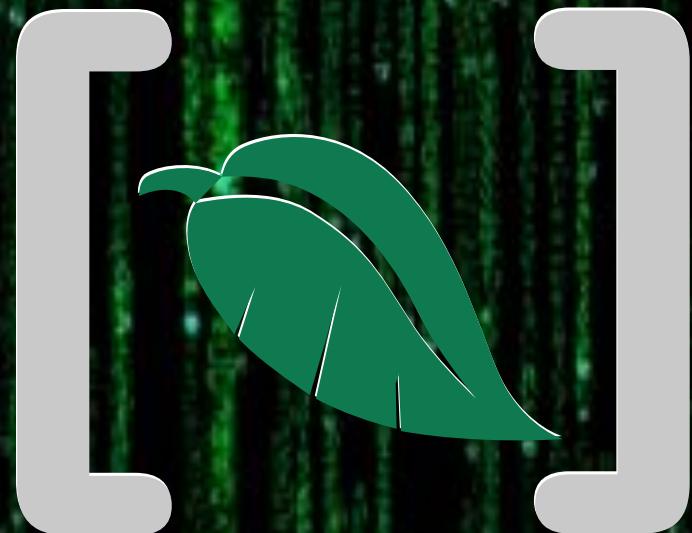


“I’m not interested in your data; I’m interested in merging your data with other data.

Your data will never be as exciting as what I can merge it with”

Tim Berners-Lee





COMPADRE

Plant Matrix Database

Upcoming >1100 plant studies



COMADRE

Animal Matrix Database

Upcoming >1300 animal studies