Section 10-11: Tools for assessing future impacts

Reading: Hannah Ch 10-11

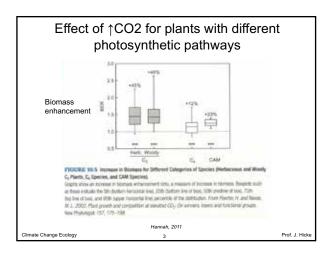
Learning outcomes

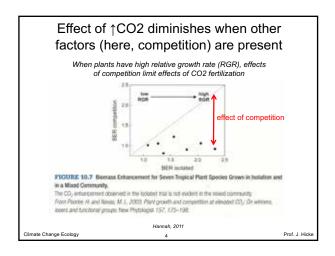
- understand and provide examples of
 - · laboratory experiments
 - · field experiments
 - modeling (various types)

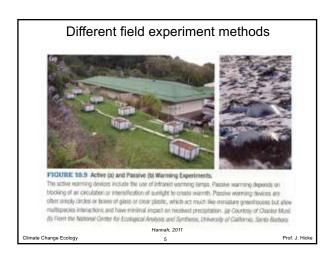
Climate Change Ecology

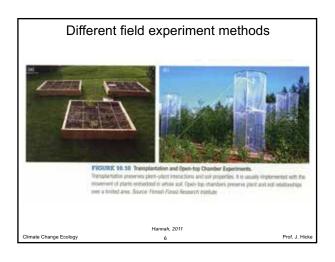
Prof I Hick

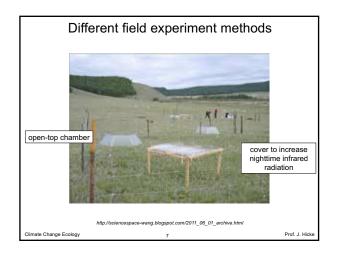
Laboratory experiments of ↑CO2 **TOCHE \$3.3 Library and District Prof. J. Hicke **Harnah, 2011 2 Prof. J. Hicke **Toche Toche Toc



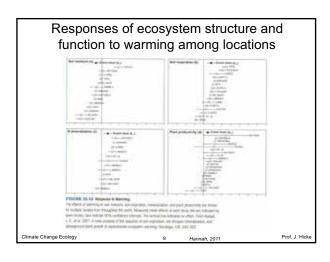


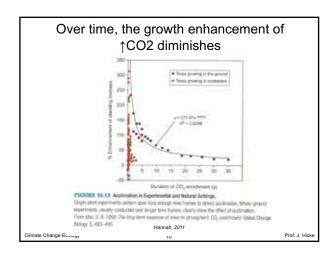


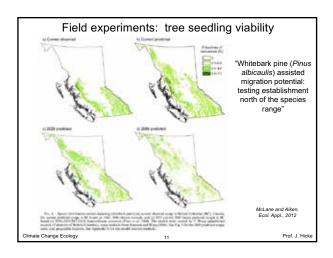


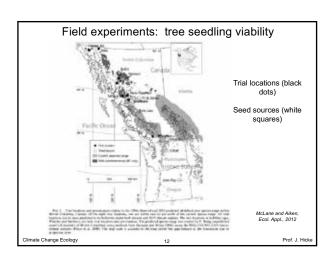


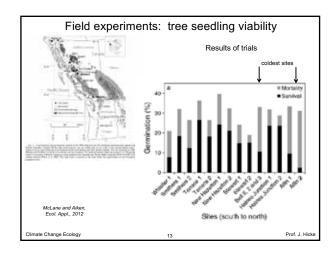
Differen	t field experiment met	hods
Free air CO	2 enrichment (FACE) exp	periments
FACE exp offer arts	5 50.11 Free Av CD ₂ Ereichment (FACE) Experiments, sommunic use manuser Still wors 1st elevate CD ₂ concernation and about a control measurement town by Country of Av Junet Minterger, Swiss Face Experiment & FM Junets, 52 Feb.	they S. Places. & Countery of
	Hannah, 2011	
Climate Change Ecology	8	Prof. J. Hicke



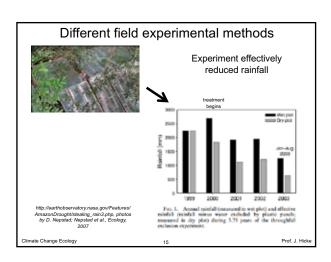


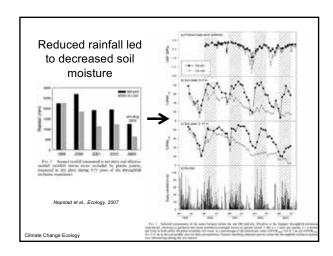


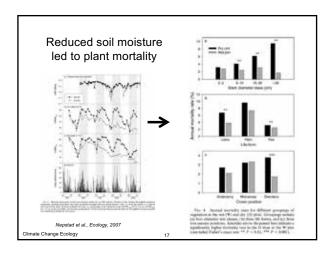


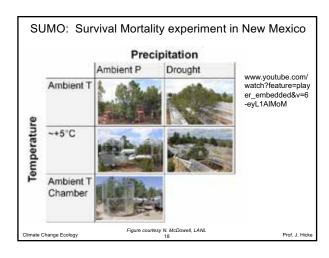


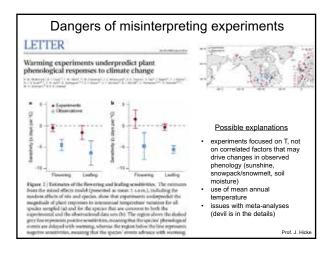


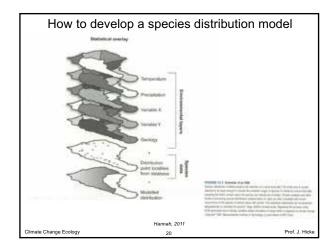


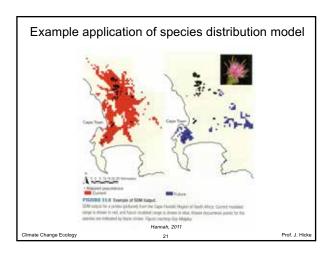


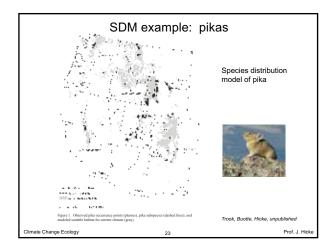


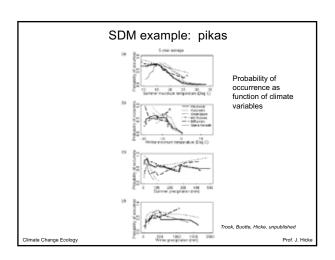


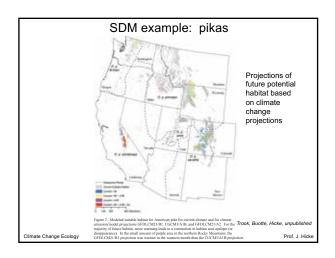




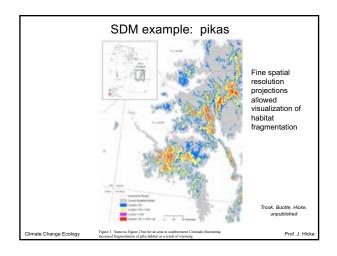








	Area of habita	it and %	of curre	ent for clir	nate ch	ange pro	ections	
	area and everage pai							ing projects
Merce	Taken	Current	81	Noberge	A19	%sheeps.	142	*-decape
Area (i-m²)	Cultimore primarger	216.516	88,743	4149	44,116	46.1%	6.681	46.2%
	C a prinses	185,662	39,090	47.6%	31,564	44.00	960	46.7%
	O.p. achieloses	10,969	1760	-16-6%	5.406	40.5%	3.547	40.8%
	C g broke	1921	3,714	40.75	3.704	45.1%	10	40.65
	G a units	12,794	2.660	4005	1,225	46.6%	*	45.2%
	O.p. carolle	N)M	11,757	453%	13,687	3165	1,860	40%
Average patrick size (AVV)	Ойном респул	60.92	2817	1105	30.25	46.75	8.774	etm.
	O p princess	85.86	14.42	27.05	15.46	43.6%	2.79	41.6%
	0 a schiebengen	1832	3634	13%	24.91	436	21.14	17.1%
	6 a troner	26.67	157	47.9%	10.55	43.8%	3.59	47.8%
	C a mile	85.45	34.00	443%	22.60	4125	2.26	364%
	O. g. carette	132.5	62.16	49.7%	15.39	20.7%	4.1	46.7%



SDM example: pikas

We couldn't get this work published...why?

- lack of inclusion of important explanatory variables

 - necessary habitat
 talus maps of uncertain quality
 presence of subtalus snow or water
- uncertainty about pika's ability to persist in hot, dry places
 - behavioral change

