approach (without photoperiod) Common

Forecasting future biological responses to climate change: why photoperiod matters

Observational climate & biological data (e.g., phenology)

year	day of year	temperature
1901	90	12
1902	95	13.5
1903	88	11.8
1904	100	14

	_	

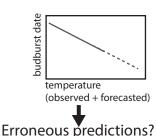
Experimental data with

Use temperature & daylength categorical

Use temperature data to predict biological response.



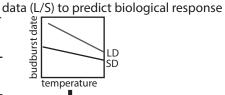
Forecast future using temperature projections.



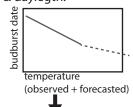
Alternative

approach (with photoperiod)

temperature & photoperiod



Forecast future using temperature projections & daylegth.



More accurate predictions?

Use temperature & daylength data to predict biological response

