



Will our trees flush earlier and earlier? Insides from an extreme warming experiment.

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Advancement in spring phenology due to climate warming

Slowing down of spring advancement due insufficient chilling



Will the advancing effect of warming be compensated by the delaying effect of reduced chilling? - Or even overcompensated?

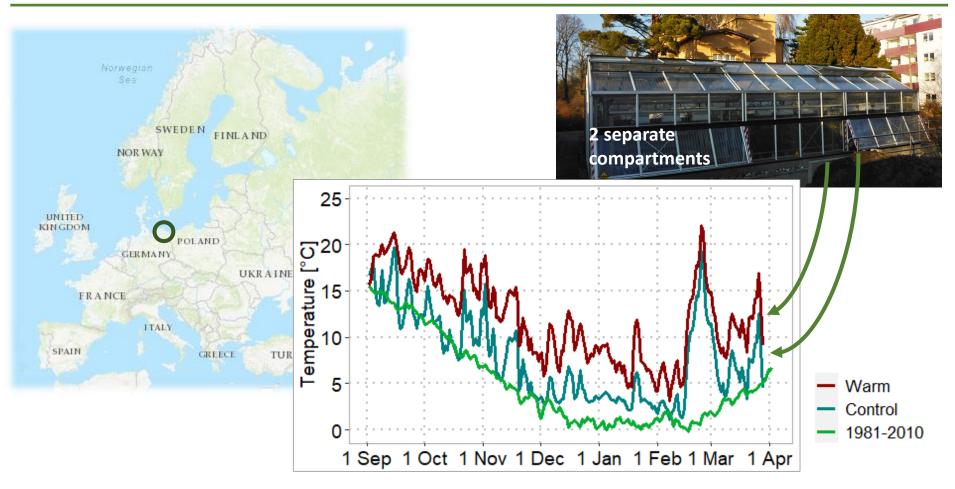
How is dormancy effected by temperature?



Experimental set up





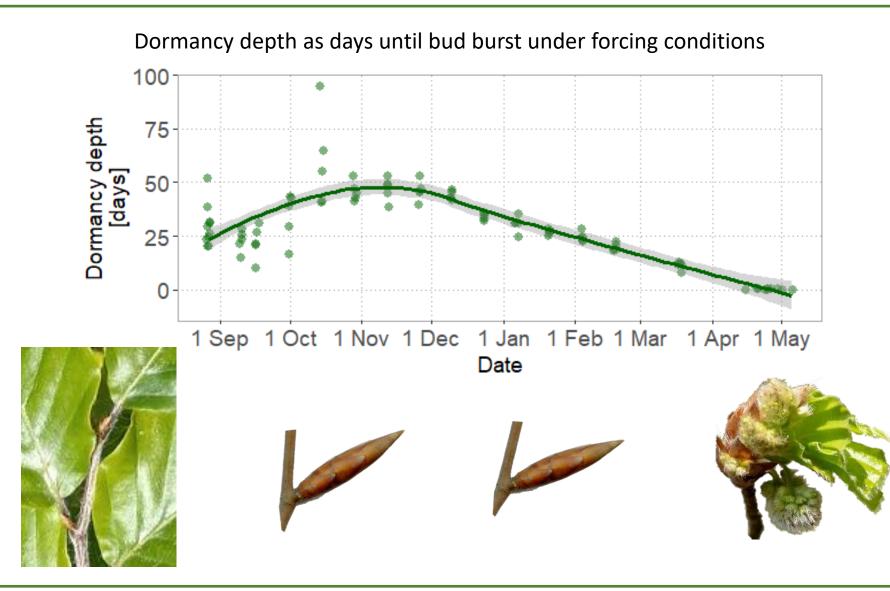


How is dormancy induction and release - and spring flushing

impacted by high winter temperature?

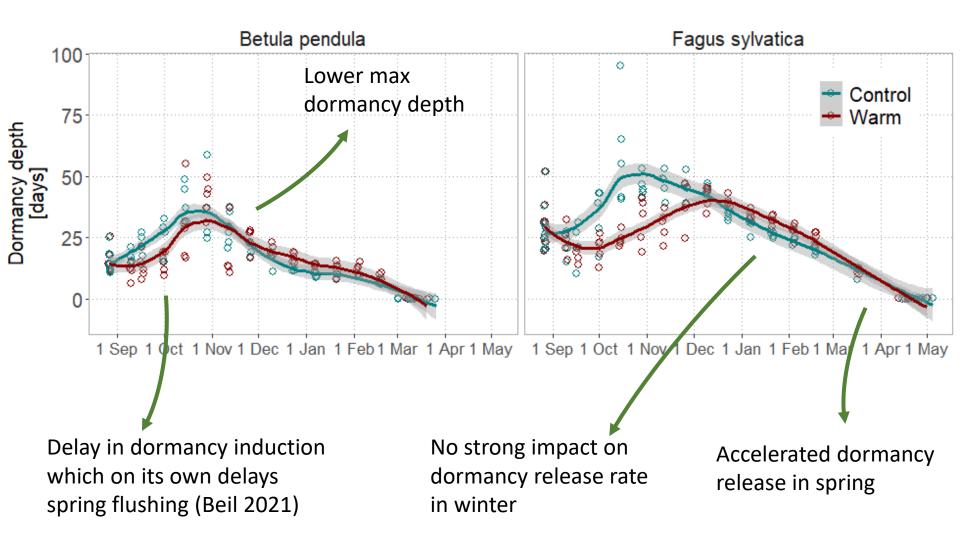








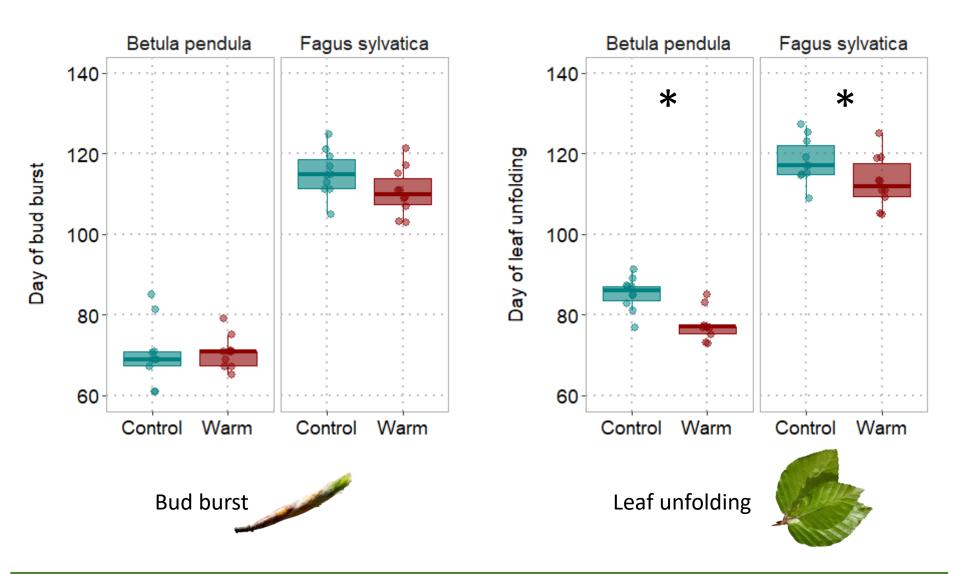






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Percent of bud burst







Not all buds were able to flush



Percent of bud burst



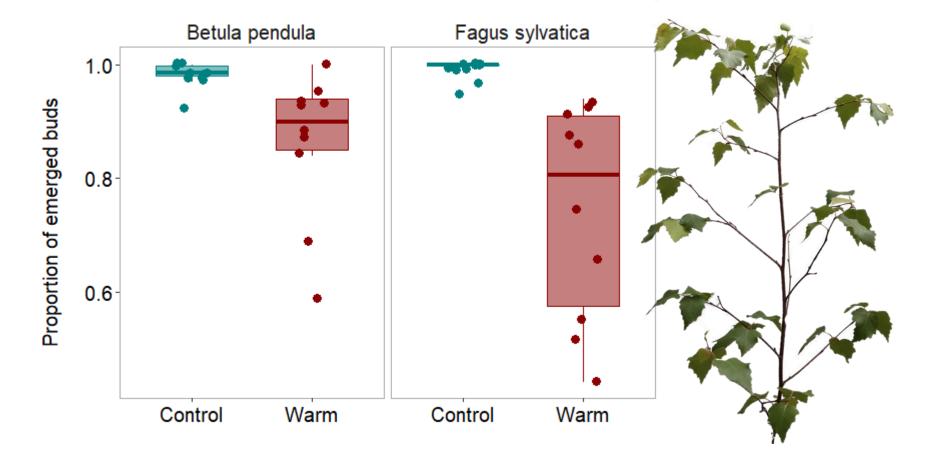








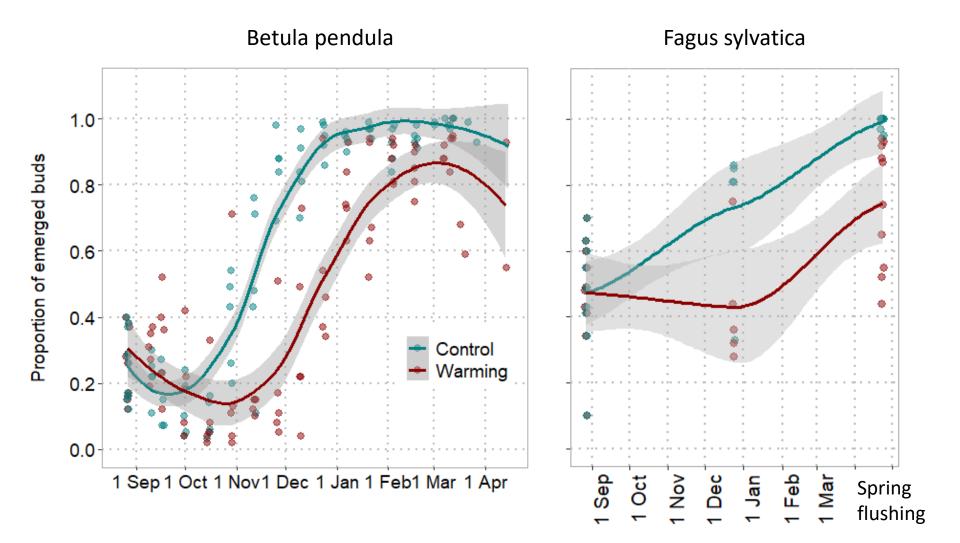
Buds that had burst two weeks after leaf unfolding





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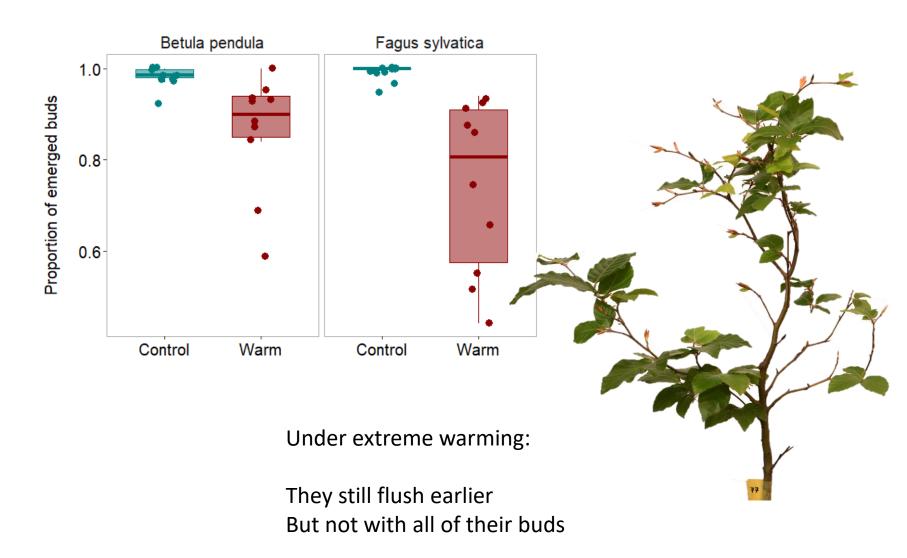
















Thank you for your attention

