*Date of study*

March 2014-ongoing

*Date of Public Archiving:*

December 2021?

*Last modified*:

17 November 2020

*Goals*

1. Assess climate sensitivity of diverse tree species from known wild populations
2. Forecast future responses to climate change, given past growth-climate relationships.
3. Identify predictors of climate change sensitivity, such as traits (wood density, leaf venation and leaf size); phylogenetic relatedness; or variation in climate change experienced, relative to climate in the native range).

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*General Files*

| **File** | **Where** | **What** |
| --- | --- | --- |
| Putnam Fellowship Research Proposal | [Google drive](https://drive.google.com/drive/u/0/folders/0B06AeVlziL3DTFJRZ3hFc0UxV2c) | Descriptions of research question and methods |
|  |  |  |

*Protocols*

| **File** | **Where** | **What** |
| --- | --- | --- |
| Protocols for tree selection/coring | [Google drive](https://docs.google.com/document/d/1AII_xjK4_-BX0uR3n_UrjD-A445SVeTdHjDq8pku7iA/edit) |  |
| Protocols for traits | [Google drive](https://drive.google.com/drive/u/0/folders/0B06AeVlziL3DfjRCN3N0bjFwZFZ6WFFrSE1xck05Y3ZLQ25xaENOOTZVQUt1akFPRGVIdWs) | Protocols for [LMA](https://docs.google.com/document/d/0B06AeVlziL3DYnE2ZTZ5NHBmN1E/edit?usp=drive_web&ouid=116507871805203632851&rtpof=true), [Wood density](https://docs.google.com/document/d/0B06AeVlziL3DQVBEN092bjJ6SFU/edit) |

*Data and Code*

**Github** <https://github.com/AileneKane/arboretaclimsens>

**Knb (phenology only):** <https://knb.ecoinformatics.org/view/urn:uuid:6c9a410e-c475-4c51-8a2a-4df021778367>

| **File** | **Where** | **What** |
| --- | --- | --- |
| [AA2015\_leaf\_mass..csv](https://github.com/AileneKane/arboretaclimsens/blob/master/data/AA2015_leaf_mass.csv) | Github repo: [https://github.com/AileneKane/arboretaclimsens](https://github.com/AileneKane/arboretaclimsens/blob/master/data/AA2015_leaf_mass.csv) | Leaf mass data |
| [AA2015\_leaf\_areas.csv](https://github.com/AileneKane/arboretaclimsens/blob/master/data/AA2015_leaf_areas.csv) | Github repo: [https://github.com/AileneKane/arboretaclimsens](https://github.com/AileneKane/arboretaclimsens/blob/master/data/) | Leaf area data |
| [PhenData\_Fall2014\_10Dec.csv](https://github.com/AileneKane/arboretaclimsens/blob/master/data/PhenData_Fall2014_10Dec.csv) | Github repo: [https://github.com/AileneKane/arboretaclimsens](https://github.com/AileneKane/arboretaclimsens/blob/master/data/) | Fall phenology observation data |
| [SpringPhenology2015.csv](https://github.com/AileneKane/arboretaclimsens/blob/master/data/SpringPhenology2015.csv) | Github repo: <https://github.com/AileneKane/arboretaclimsens> | Spring phenology observation data |
| [ArnArboringwidths\_processed\_angiosperms\_2018Aug2.csv](https://github.com/AileneKane/arboretaclimsens/blob/master/data/ArnArboringwidths_processed_angiosperms_2018Aug2.csv) | Github repo: <https://github.com/AileneKane/arboretaclimsens> | Angiosperm tree ring data |
| [ArnArboringwidths\_processed\_gymnosperms.csv](https://github.com/AileneKane/arboretaclimsens/blob/master/data/ArnArboringwidths_processed_gymnosperms.csv) | Github repo: <https://github.com/AileneKane/arboretaclimsens> | Gymnosperm tree ring data |
| [Ailene\_comb.tre](https://github.com/AileneKane/arboretaclimsens/blob/master/data/Ailene_comb.tre) | Github repo: <https://github.com/AileneKane/arboretaclimsens> | Phylogeny of focal species (built by Simon Joly) |

