

Notes from very brief chat with F. Baumgarten on 1 November 2022 about writing a concept paper on chilling

Next steps:

1. Fill in outline, esp. the what we know on chilling
2. Pull the OSPREE papers and compare across the different questions (subzero temps, intermittent warm etc.) – are there any consistencies?
3. Read all the old papers I have pulled!
4. Read all our old notes, organize ...

Outline... Coming out of the dark ... the critical role of photoperiod in chilling

Fig 5.1 — Baumgarten discussion

1. What is the known (and possibly known) biology of of chilling?
 - (a) Optimal chill
 - (b) Intermittent warm periods
 - (c) Subzero temperatures
 - (d) Fall temperatures
2. What are the chilling models?
 - (a) Utah
 - (b) Chill portions ...
 - (c) Adapting to each species' optimal chill (and Lizzie's worries over this)
3. So what do we really know (esp. maybe to improve chilling models or at least approach them with caution when we interpret them) ... What are the biases/uncertainties given all this? What is definitely known?
 - (a) If we don't know chilling then we have issues with forcing also ...