

Title: ***Wine must yields as indicators of May to July climate in Europe, 1416–1988.***
Author(s): Christian Pfister, Stefan Brönnimann, Laurent Litzénburger, Peter Thejll, Andres Altwegg, Rudolf Brázdil, Andrea Kiss, Erich Landsteiner, Fredrik Charpentier Ljungqvist, and Thomas Pliemon.

MS No.: egusphere-2025-3242

MS type: Research article

Iteration: Initial submission

1. GENERAL COMMENTS

Principal criteria	Excellent	Good	Fair	Poor
Scientific significance: Does the manuscript represent a substantial contribution to scientific progress within the scope of <i>Climate of the Past</i> (substantial new concepts, ideas, methods, or data)?	X			
Scientific quality: Are the scientific approach and applied methods valid? Are the results discussed in an appropriate and balanced way (consideration of related work, including appropriate references)?	X			
Presentation quality: Are the scientific results and conclusions presented in a clear, concise, and well-structured way (number and quality of figures/tables, appropriate use of English language)?	X			

Presentation quality: Regarding the quality of the writing in English, please ask confirmation from an English-speaking colleague (this is not my case).

2. SPECIFIC COMMENTS

1. Does the paper address relevant scientific questions within the scope of CP?
YES
2. Does the paper present novel concepts, ideas, tools, or data?
YES
3. Are substantial conclusions reached?
YES
4. Are the scientific methods and assumptions valid and clearly outlined?
YES
5. Are the results sufficient to support the interpretations and conclusions?
YES
6. Is the description of experiments and calculations sufficiently complete and precise to allow their reproduction by fellow scientists (traceability of results)?
YES

7. Do the authors give proper credit to related work and clearly indicate their own new/original contribution?

YES

8. Does the title clearly reflect the contents of the paper?

YES

9. Does the abstract provide a concise and complete summary?

YES

10. Is the overall presentation well structured and clear?

YES

11. Is the language fluent and precise?

YES - If this question includes the quality of the writing in English, please ask an English-speaking colleague for confirmation (this is not my case).

12. Are mathematical formulae, symbols, abbreviations, and units correctly defined and used?

YES

13. Should any parts of the paper (text, formulae, figures, tables) be clarified, reduced, combined, or eliminated?

YES: enlarge figure 07, in order to improve its readability.

14. Are the number and quality of references appropriate?

YES

15. Is the amount and quality of supplementary material appropriate?

There is no supplementary material attached to this paper.

3. TECHNICAL CORRECTIONS

No corrections to be made.

SUMMARY

(version en Français) L'utilisation de données *proxy* liées à la viticulture n'est pas nouvelle, comme les auteurs le détaillent de façon précise avec les références bibliographiques appropriées. De ce point de vue, l'intérêt majeur de ce travail est d'avoir fait appel à l'utilisation de différentes sources de données liées à la vigne, et dont l'analyse combinée a produit des résultats aussi pertinents que passionnants.

Je souhaite aussi souligner la pertinence géographique des sites d'étude. En effet, l'intégration des régions de l'Est de la France à une étude sur l'Europe centrale n'est pas systématique d'une publication à l'autre, alors qu'elle se justifie par la régionalisation climatique de l'Europe. Ce choix est donc d'un intérêt tout particulier dans l'article de C. Pfister *et al.*

(English version) The use of proxy data related to viticulture is not new, as the authors detail in a precise way with the appropriate bibliographical references. From this point of view, the major interest of this work is to use different sources of data related to the vine, and whose combined analysis has produced results as relevant as exciting.

I also wish to emphasize the geographical relevance of the study sites. Indeed, the integration of the regions of Eastern France into a study on central Europe is not systematic from one publication to another, even though it is justified by the climatic regionalization of Europe. This choice is therefore of particular interest in the article by C. Pfister et al.