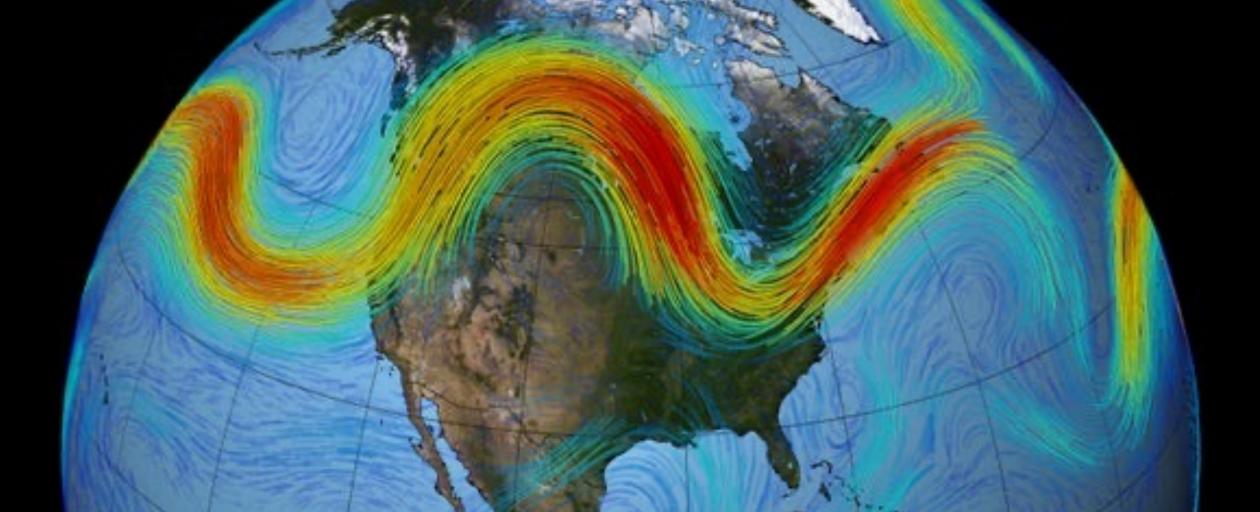
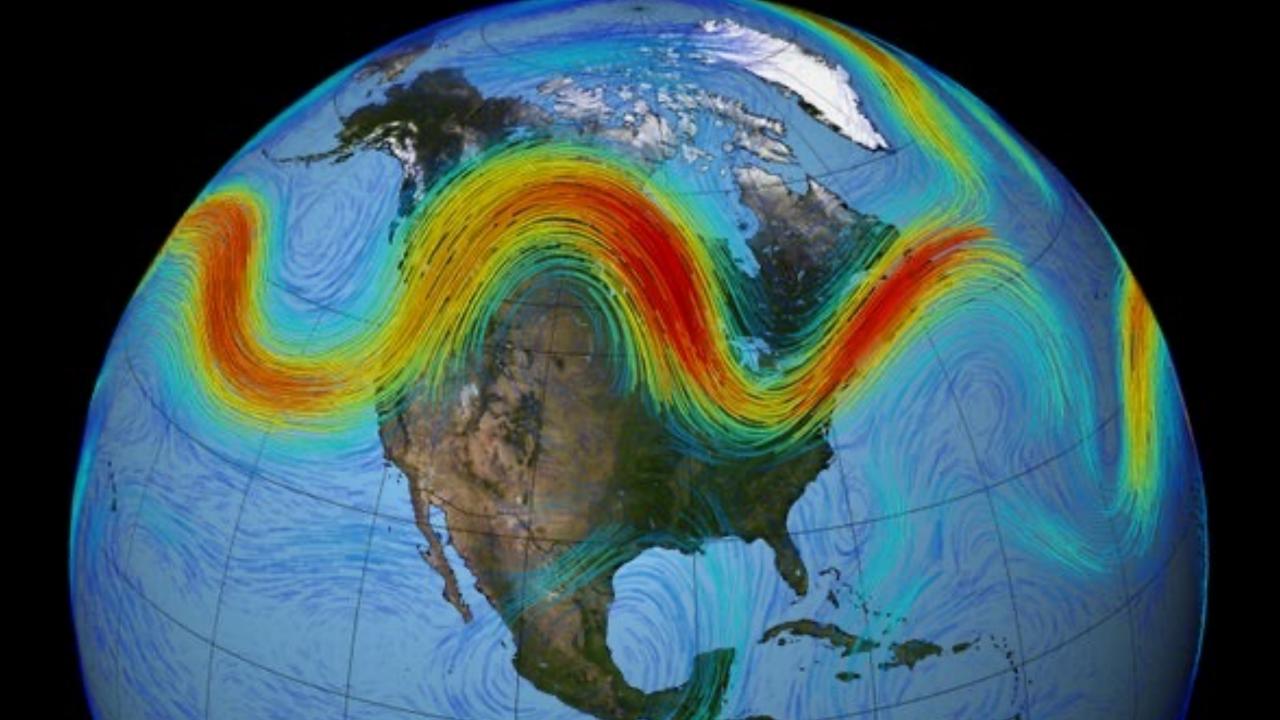
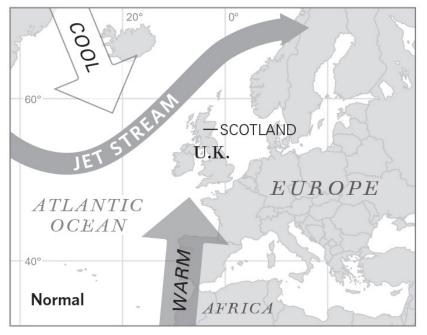
800 years of summer European-North Atlantic jet stream variability and its impact on climate extremes and human systems

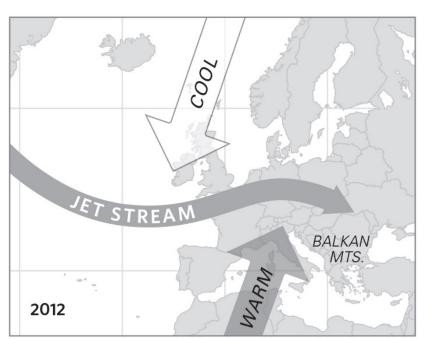


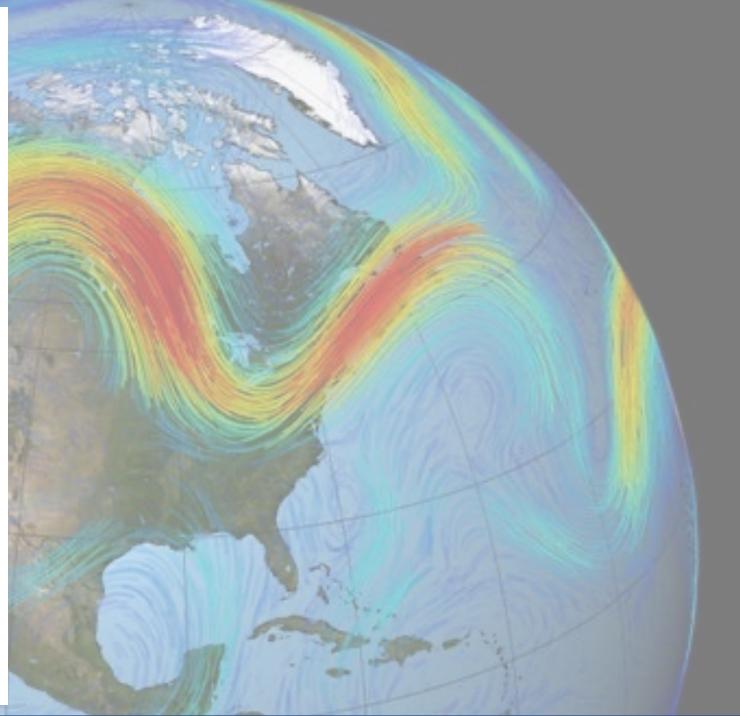


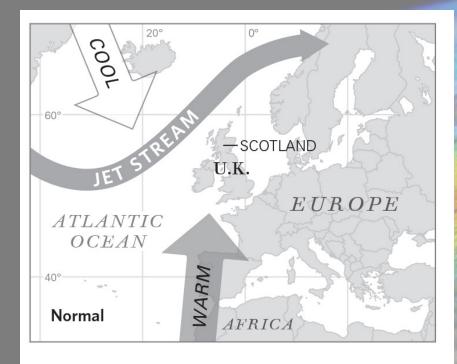


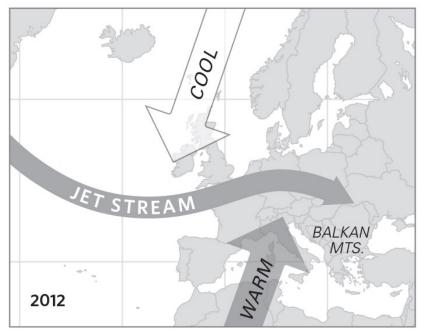


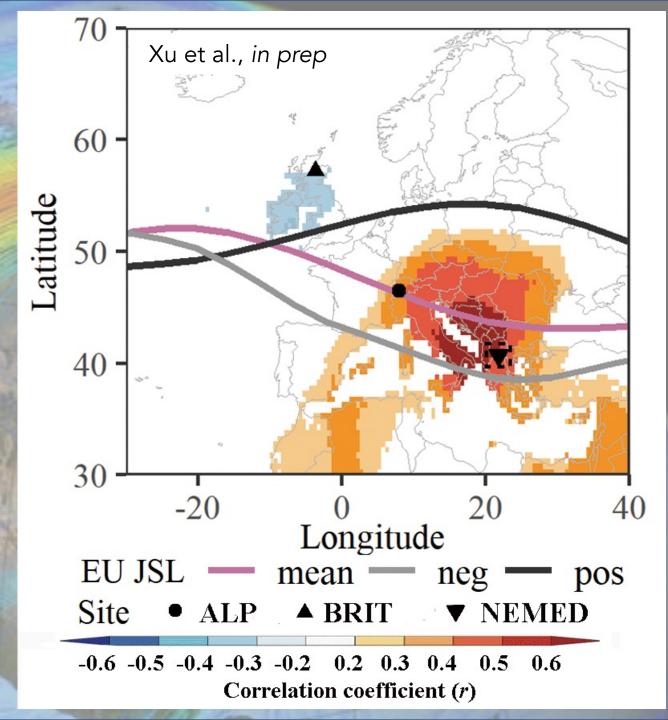


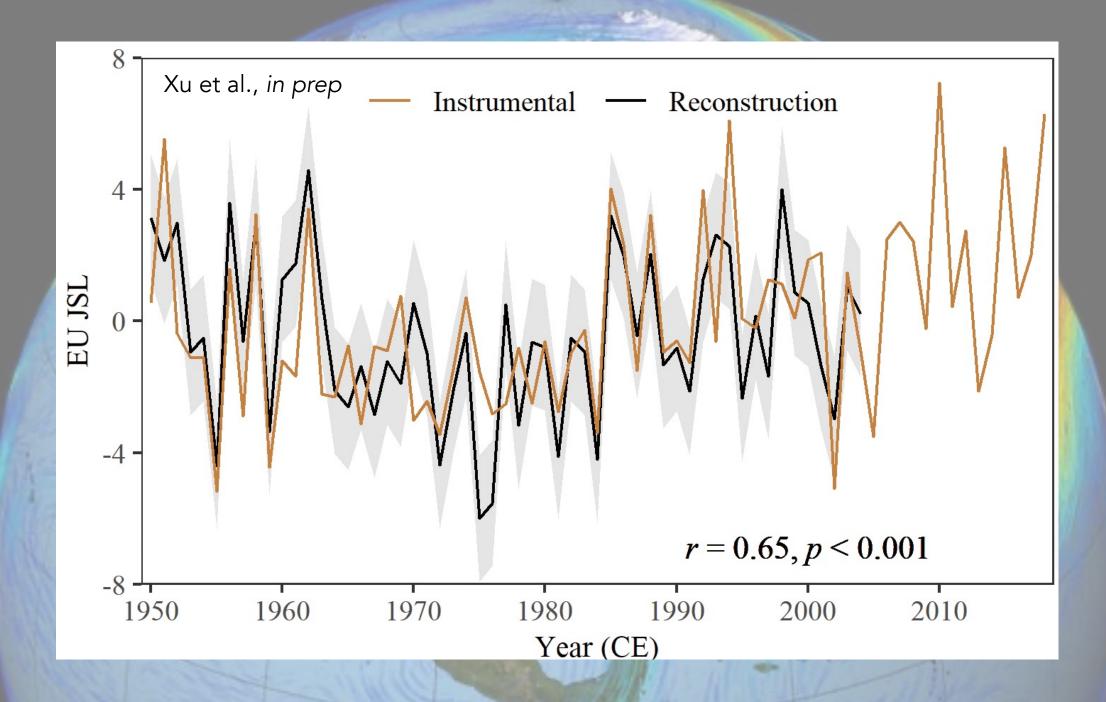


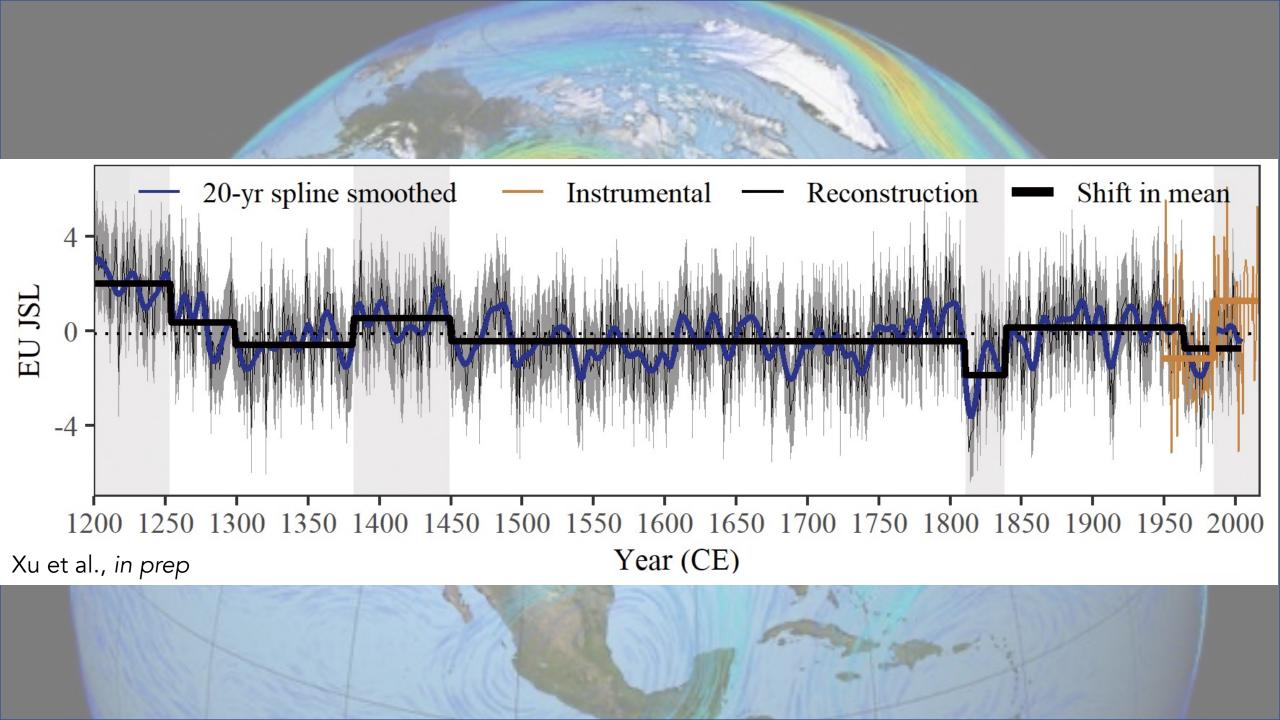


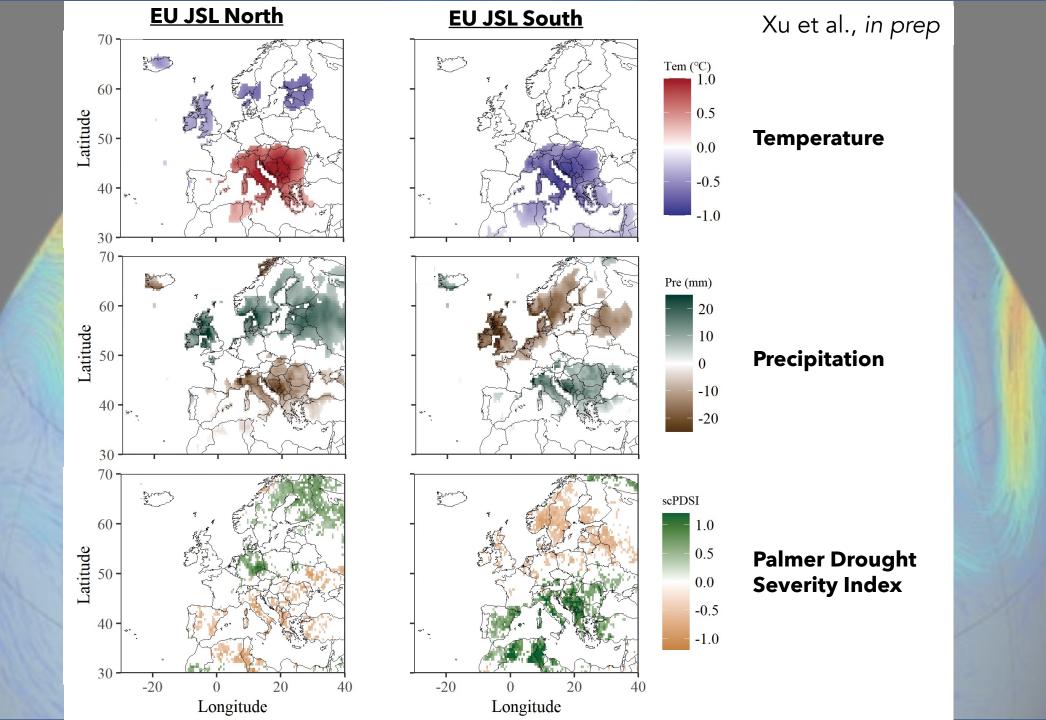






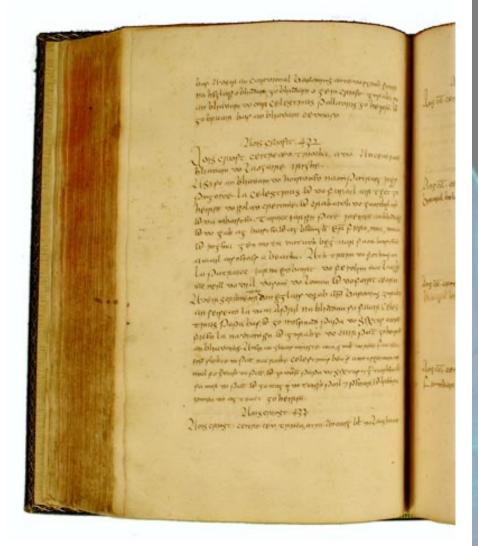




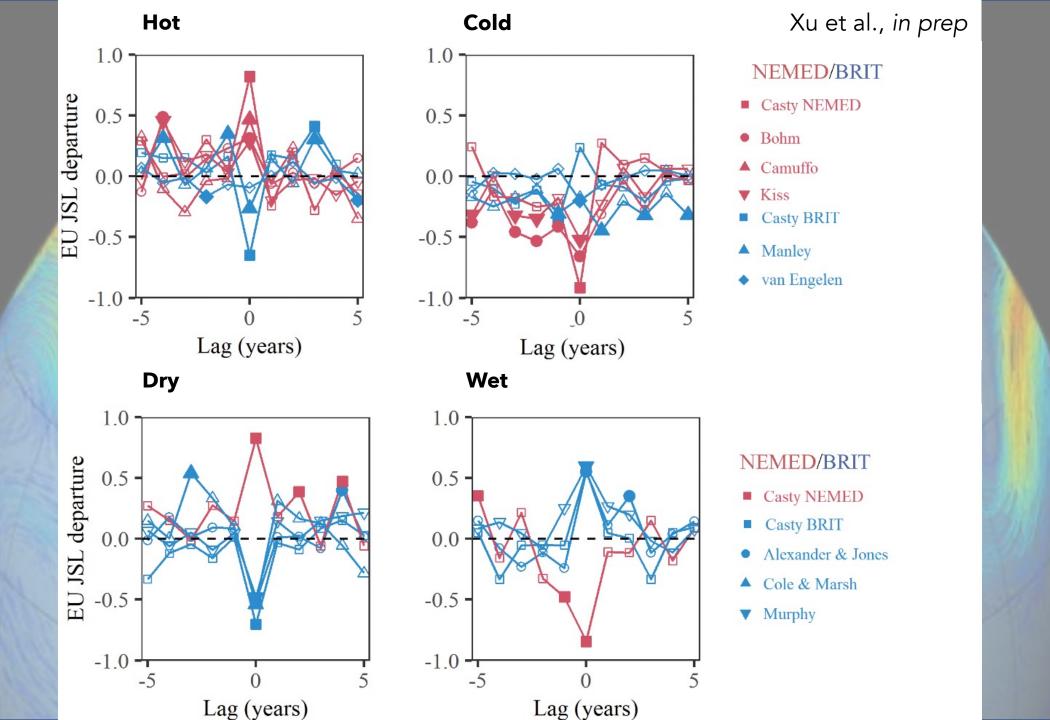


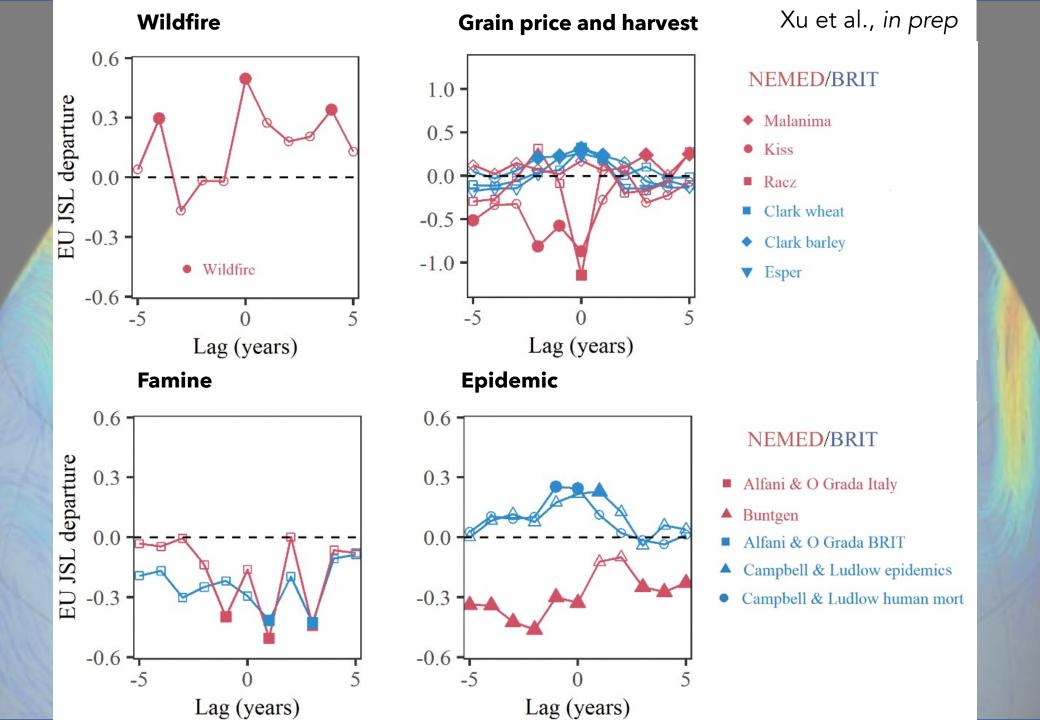
Human-documented climaterelated information, including:

- Narrative sources (annals, chronicles)
- Personal correspondence
- Economic sources
- Pictorial evidence
- Newspapers
- Daily weather records and ship logs
- Agricultural records



Irish Annals, 432 CE





In Conclusion:

- We reconstructed jet stream position in Europe during the summer over the last 800 years
- Changes in the jet stream position create a summertime climatic dipole between the British Isles and the Balkans / Italy
- We find that the position of the summer jet stream influences both climate extremes and climate-related societal events, demonstrating the importance of natural climate variability in influencing human systems both now and in the past

Thank you!

Questions?

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