



# Wet – Wetter – Weather:

Attributing precipitation to weather features

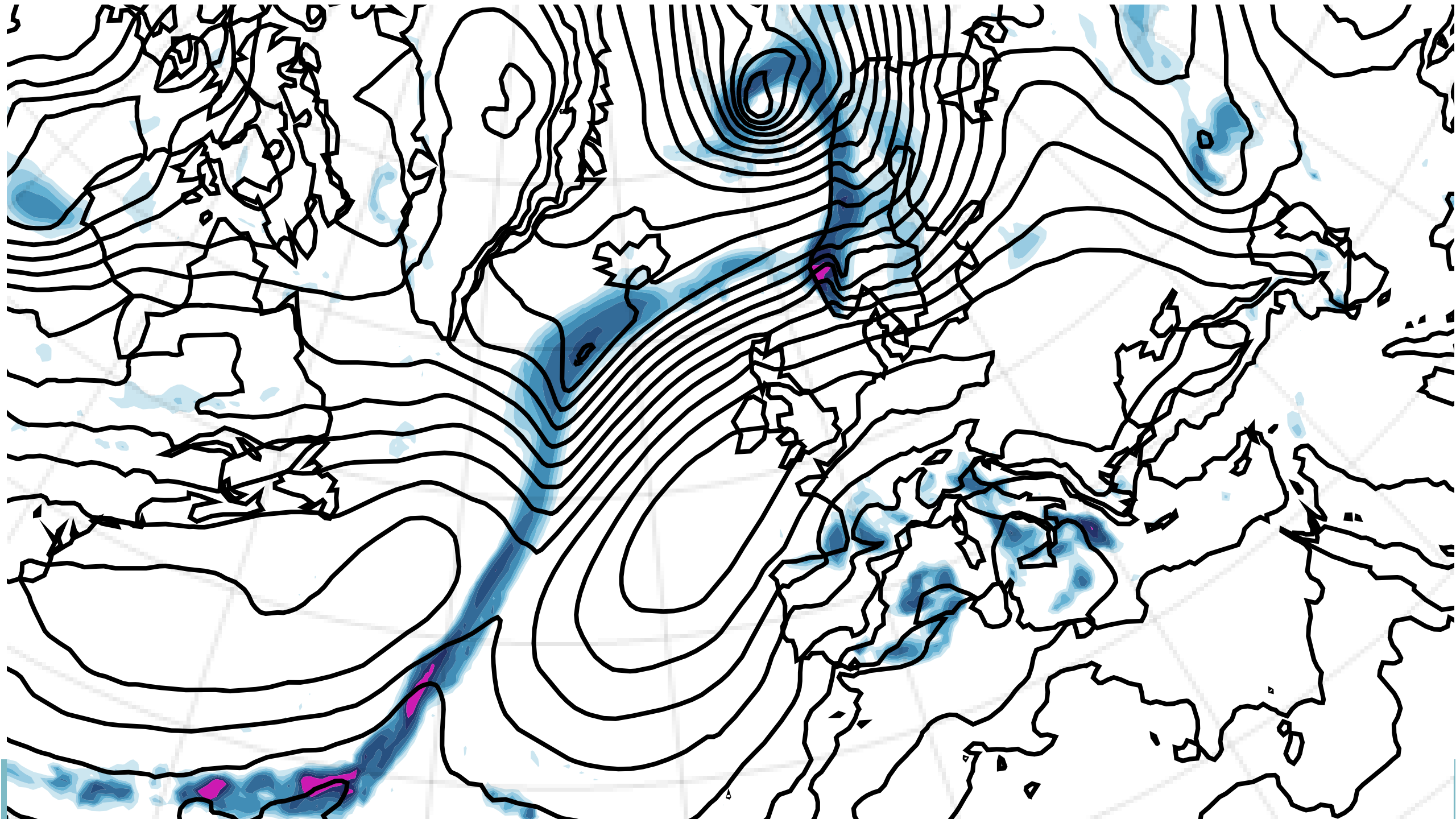
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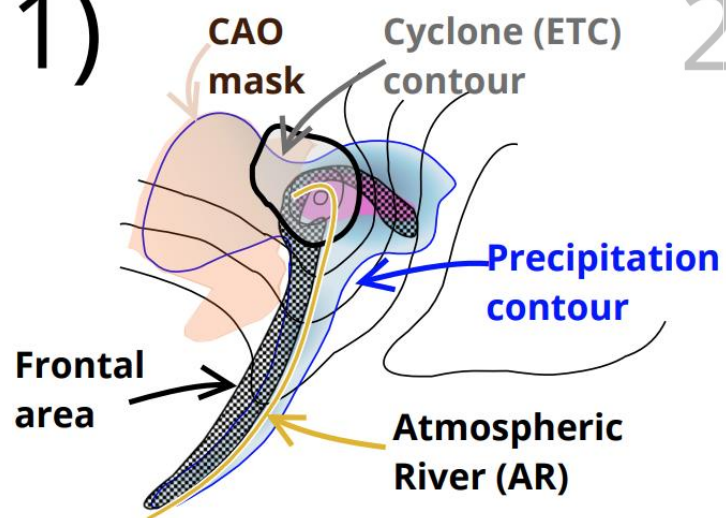
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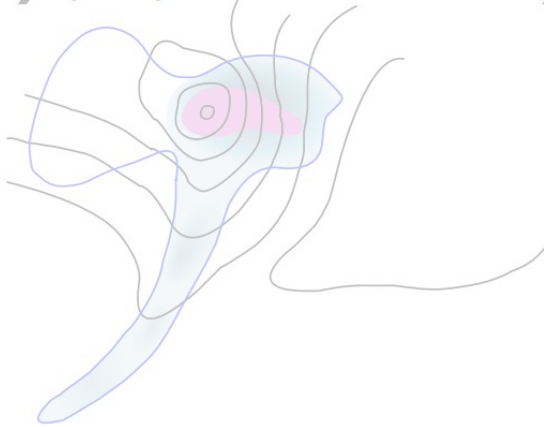
# New method

1)



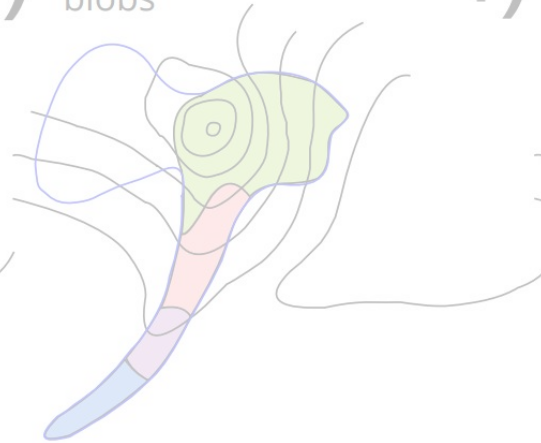
2)

Filter out CAO precipitation



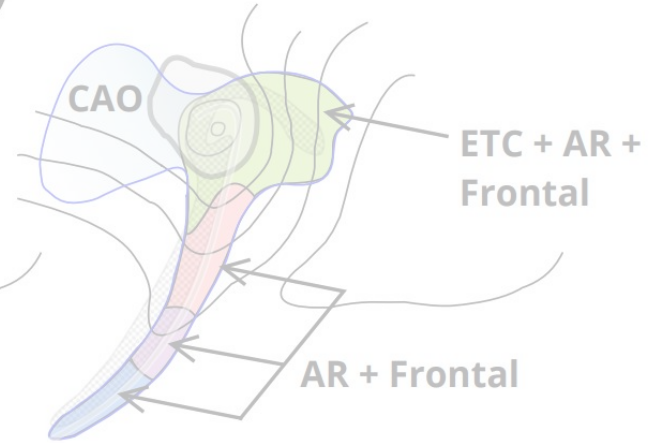
3)

Make precipitation blobs

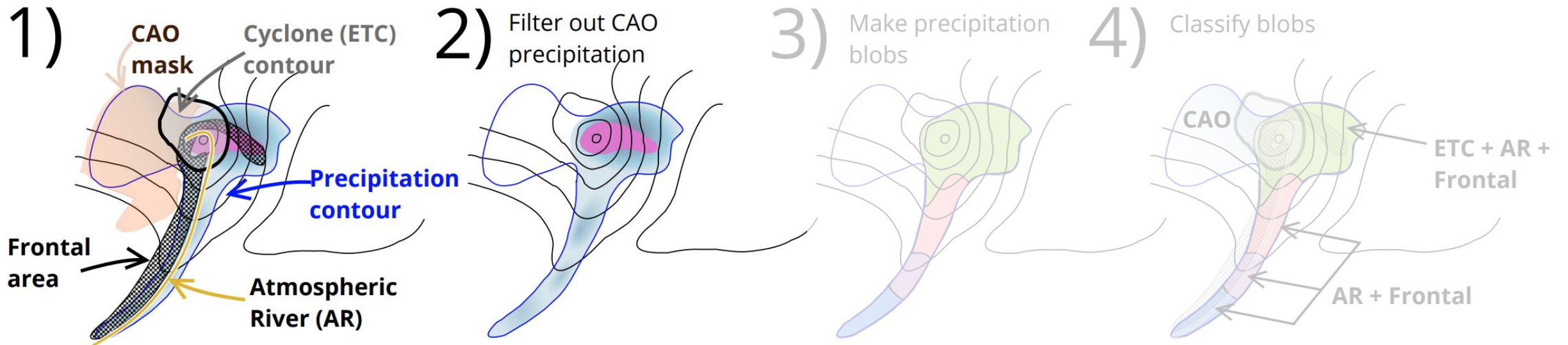


4)

Classify blobs

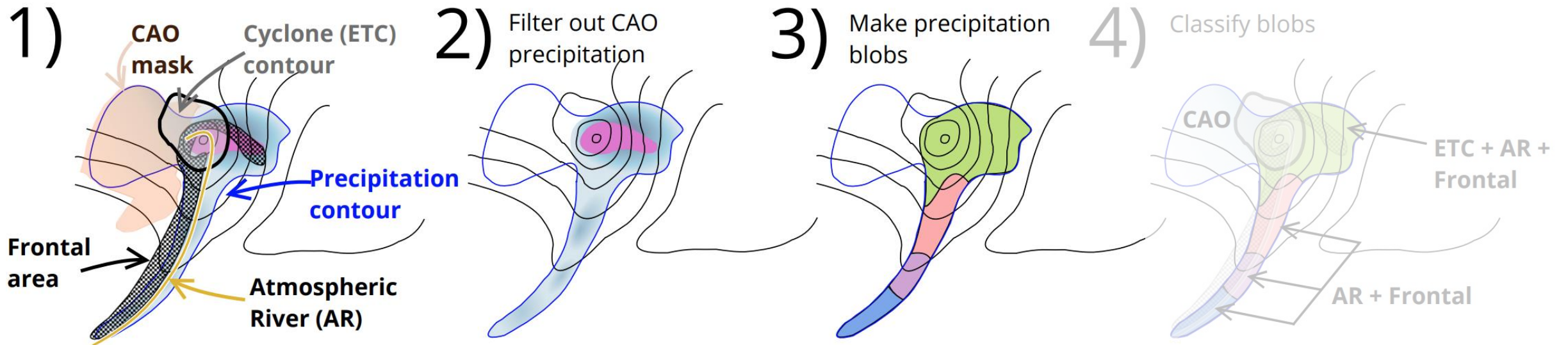


# New method

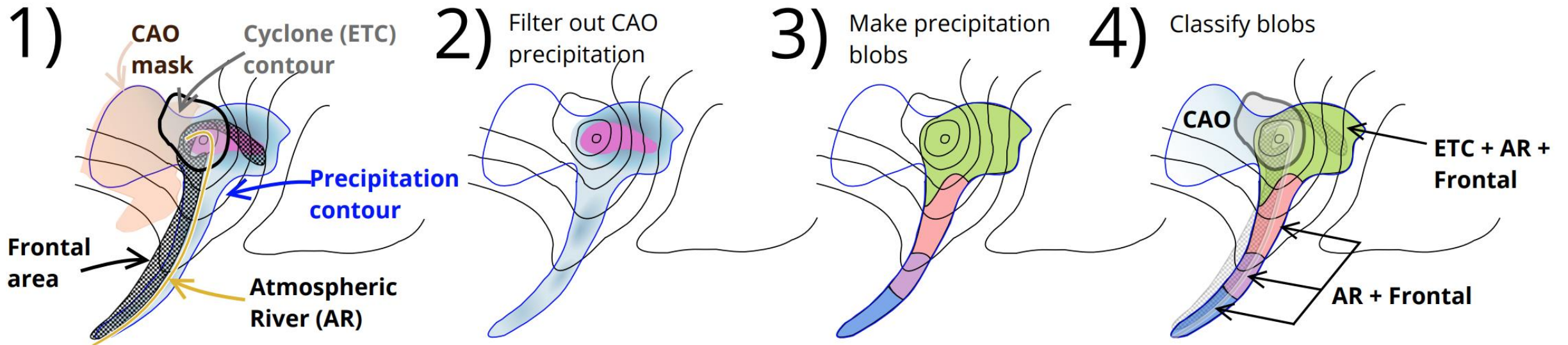




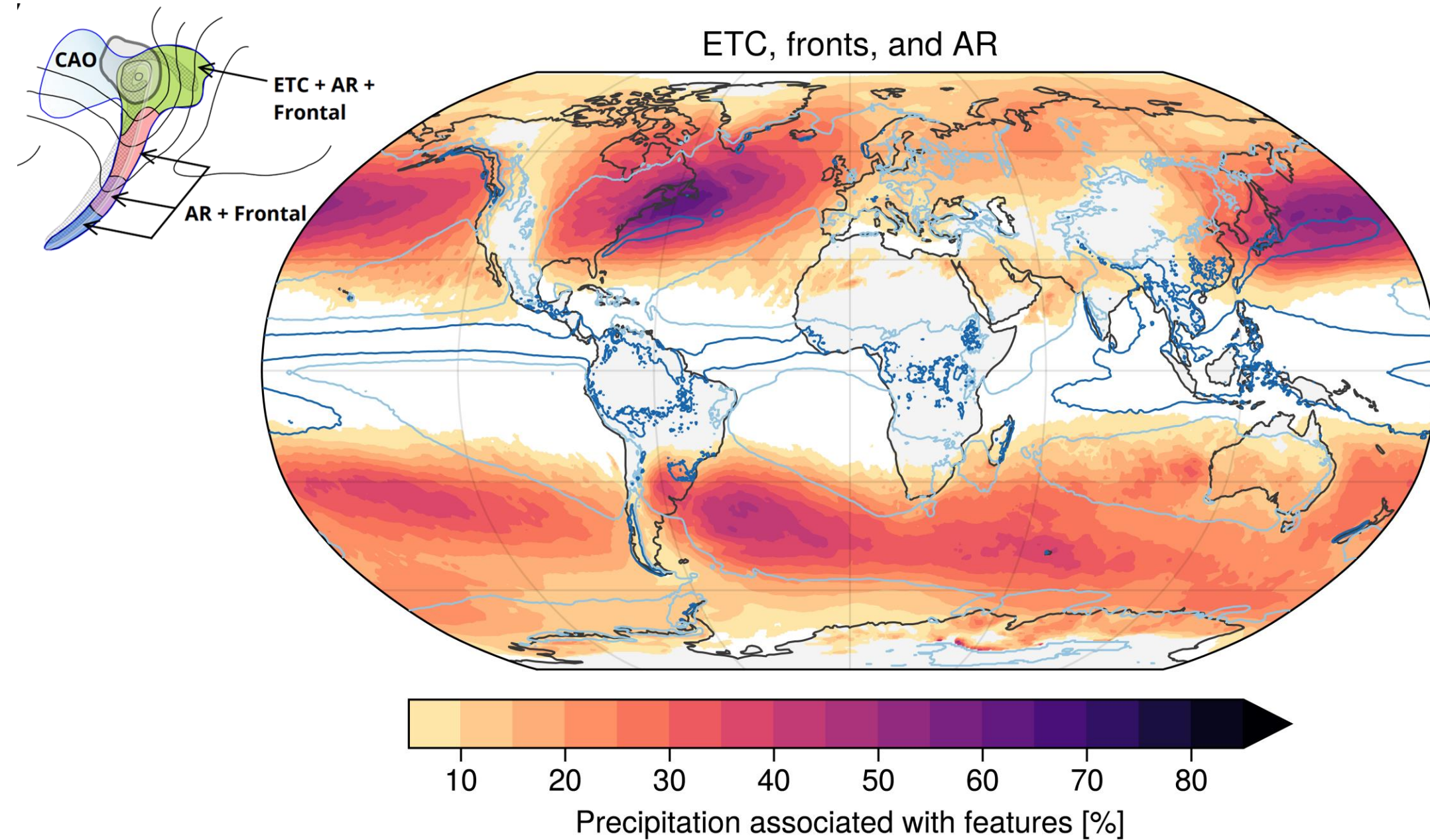
# New method



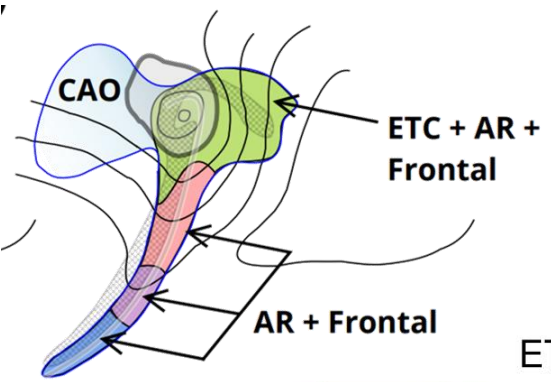
# New method



## ETC, fronts, and AR

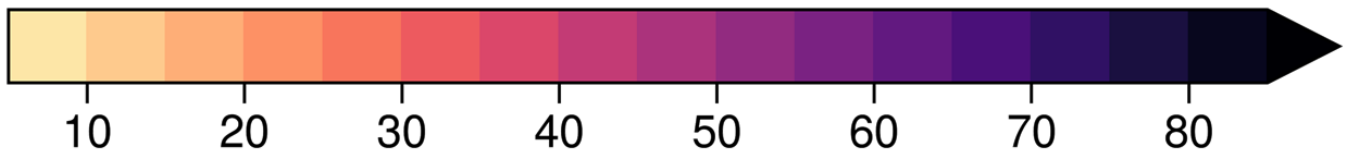
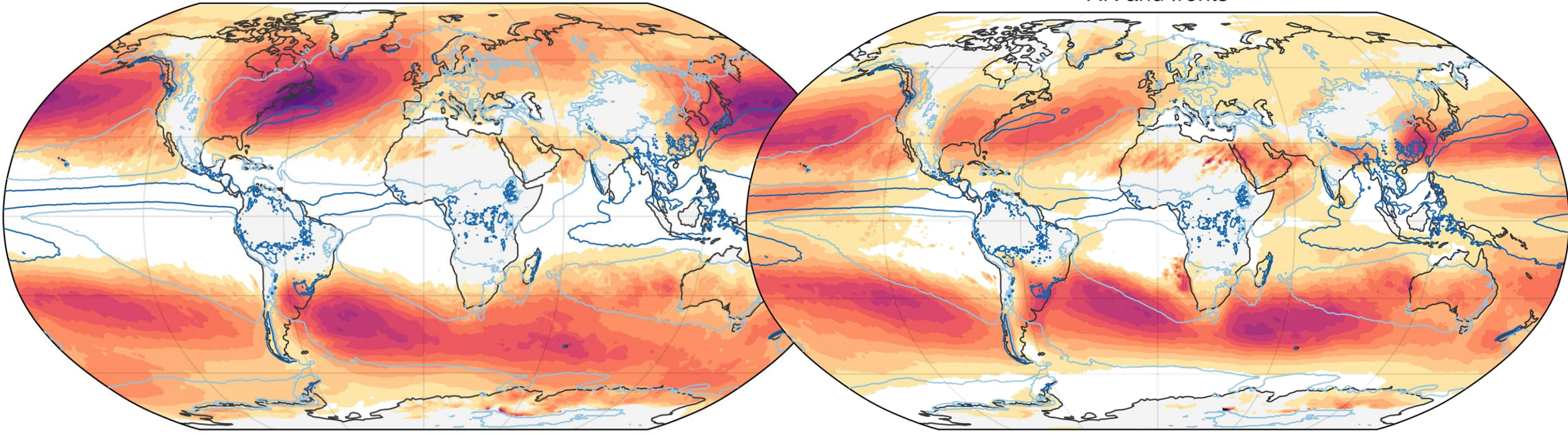






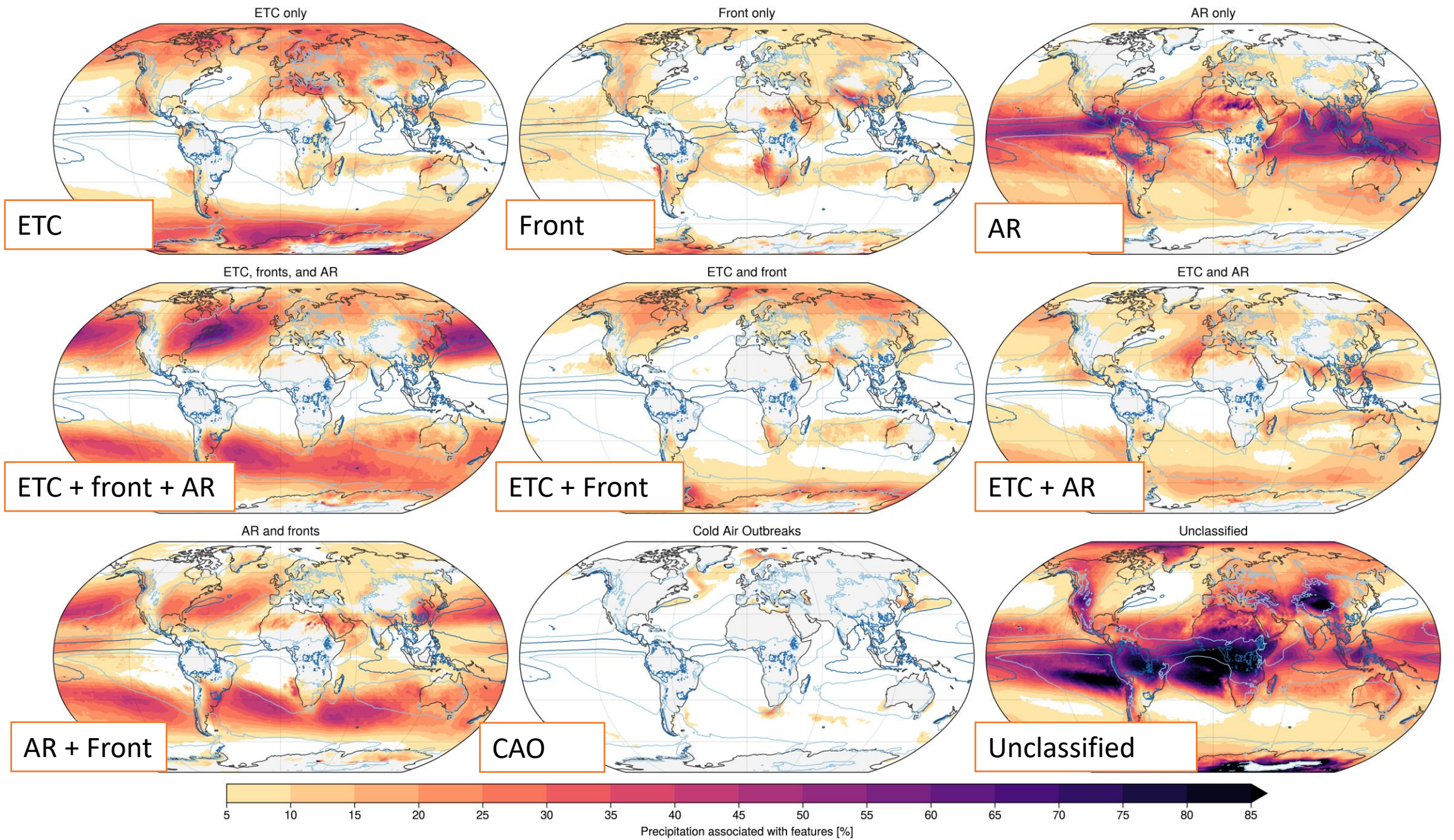
ETC, fronts, and AR

AR and fronts



Precipitation associated with features [%]







# Summary

- A new, more robust, method of attributing precipitation to weather features
- We classify 70% of precipitation globally
- Combination of ETC, Fronts, and ARs is most important for precipitation in the stormtracks region

