



## Impacts of the Atlantic Multidecadal Variability (AMV) on the tropical Pacific: a multi-model study

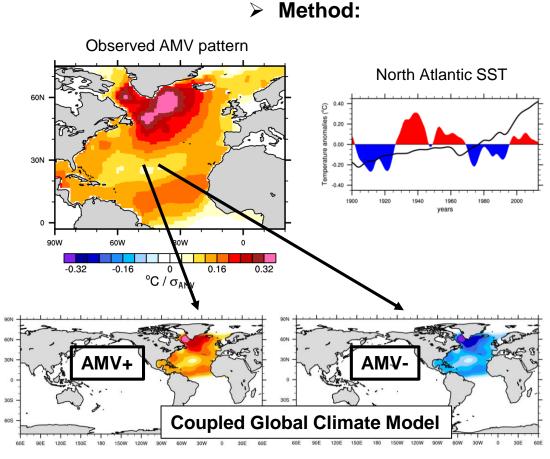




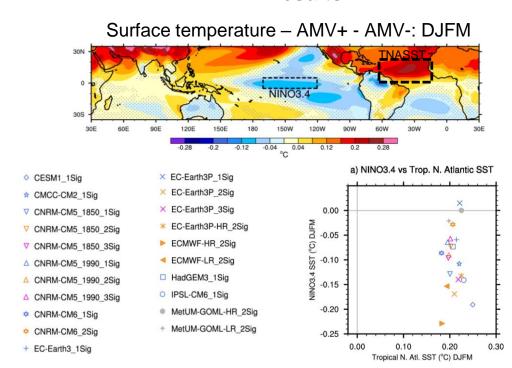
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## > Question: What are the impacts of the AMV on the tropical Pacific?

## > Results:



10yr long large ensemble experiments 21 simulations / 13 CGCMs



## Large inter-model spread in winter tropical Pacific response driven by:

- Different atmospheric response during the summer
- Due to differences of surface moist static energy responses over the tropical Atlantic and how they are injected into the upper-troposphere
- Ultimately because of different tropical precipitation mean states