

# Global attribution of anthropogenic and lightning fires

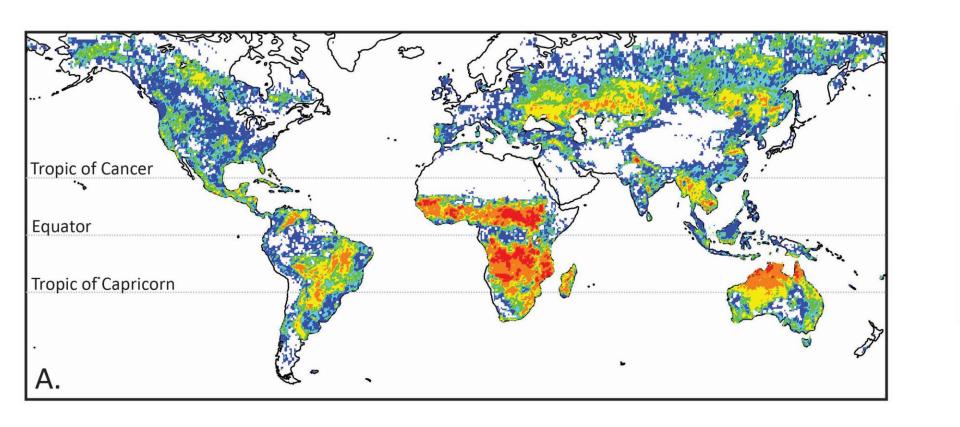
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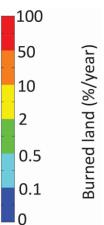
T. Janssen, G. van der Werf, D. van Wees, W. Xu, D. Finney, M. Jones



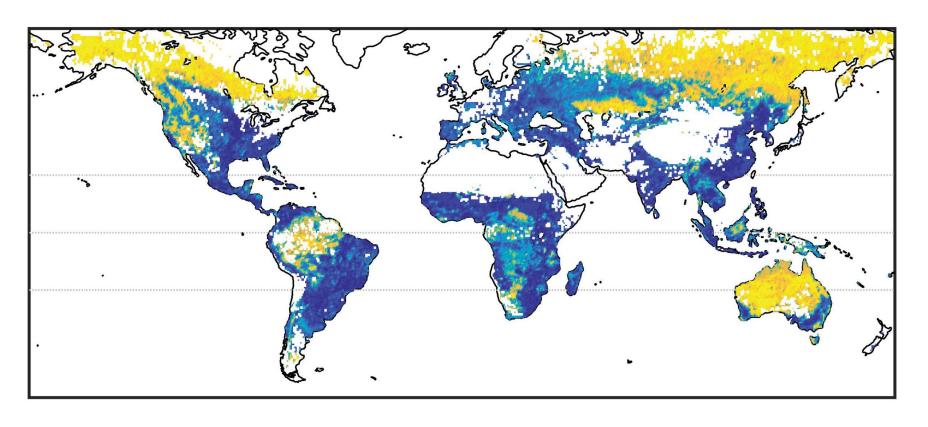


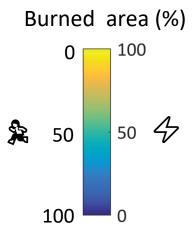








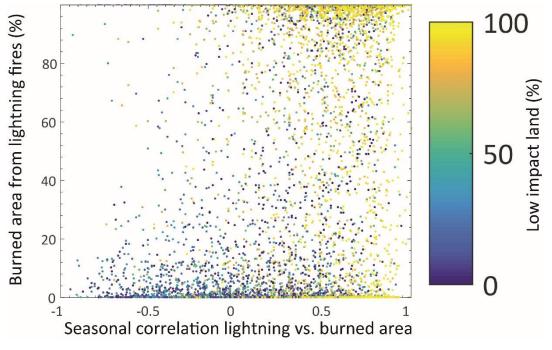






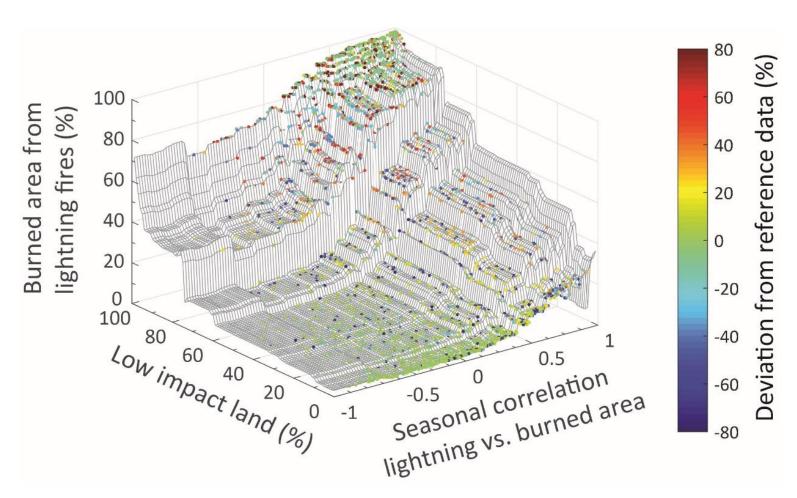
Anthropogenic and lightning fires are **different**:

- Seasonal timing
- Parts of the landscape
- Fire behavior
- Socio-economic drivers
- Climatic drivers



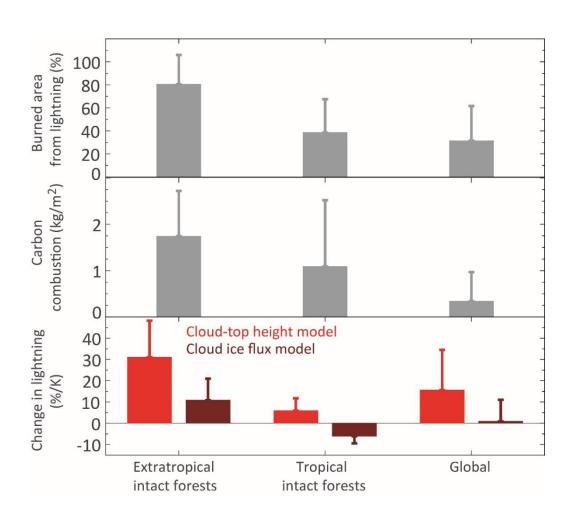
CalVal with reference data from 7 world regions





- Random forest model
- Explains 40-47 % of the spatial variability in fire cause



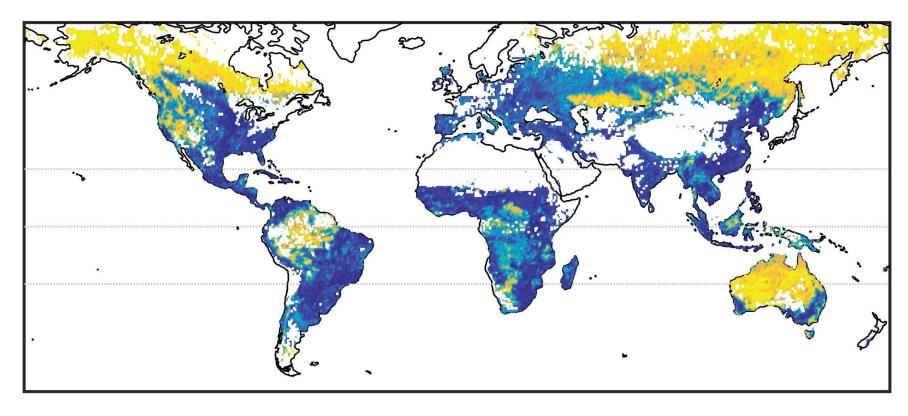


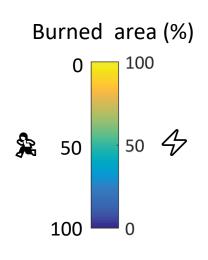
Anthropogenic and lightning fires have different change trajectories
use in fire models

- Carbon-rich extratropical forests are increasingly at risk of lightning fires



## Thanks!





Product will be released on Pangaea upon publication





