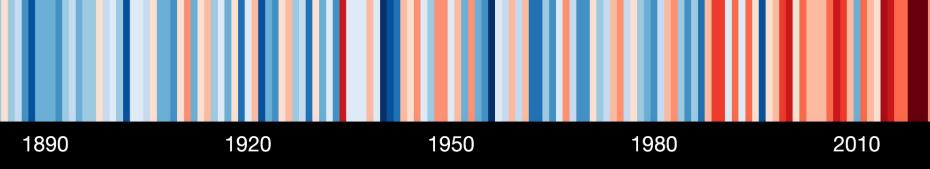
Deforestation in Brandenburg Effects of Climate change and
wildfires on forests in
Brandenburg

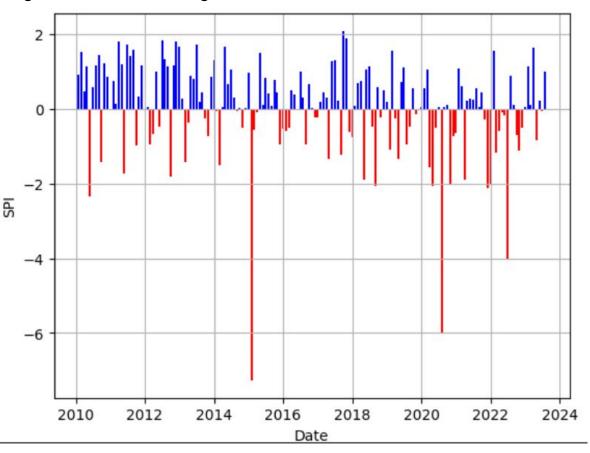
Temperature change in Brandenburg/Berlin since 1881



drought index brandenburg 2010 to 2023



- ≥ 2.0 extremely too moist
- 1.5 to 2.0 clearly too moist
- 1.0 to 1.5 moderately too moist
- 0.0 to 1.0 almost normal (slightly too moist)
- -1.0 to 0.0 almost normal (sligh drought)
- -1.5 to -1.0 moderate drought
- -2.0 to -1.5 severe drought
- $2.3 \le -2.0$ extreme drought

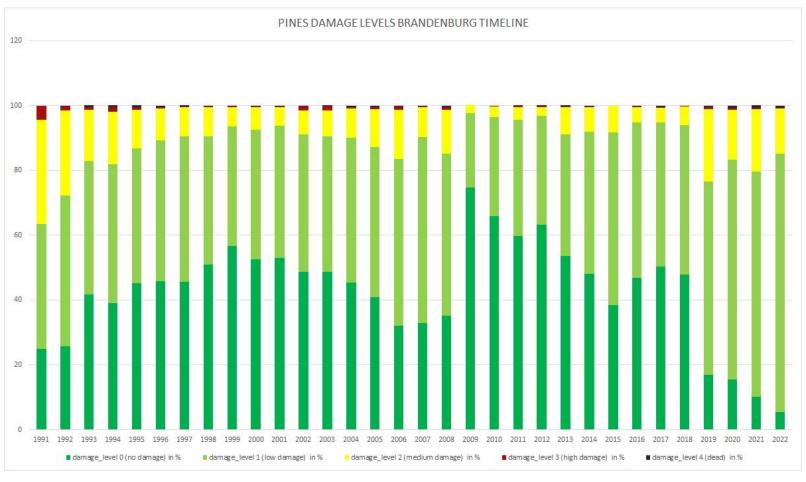


Data source: DWD (Deutscher Wetter Dienst)

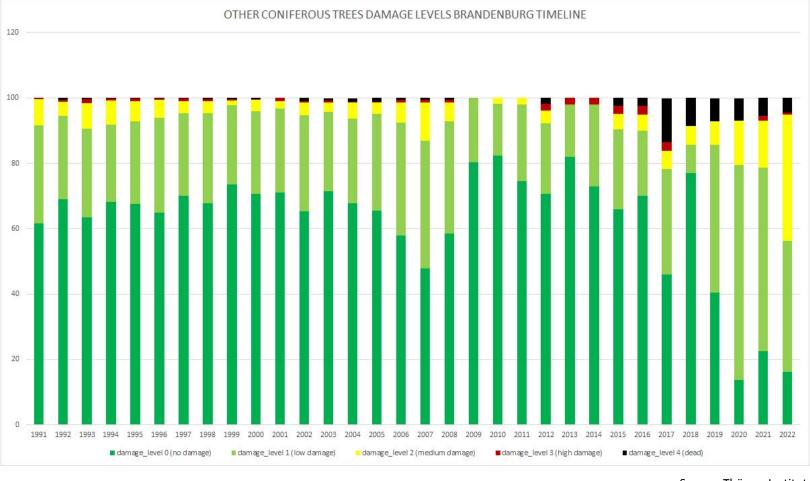
Pest insects

- drought causes massive heat stress symptoms on trees which weakens them and makes it easier for pest insects to infest the trees
- additionally: mild winters promote the faster and higher reproduction of these insects

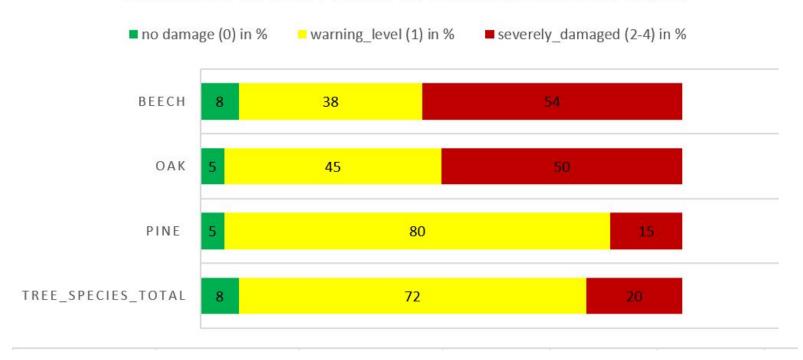
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Source: Thünen-Institut

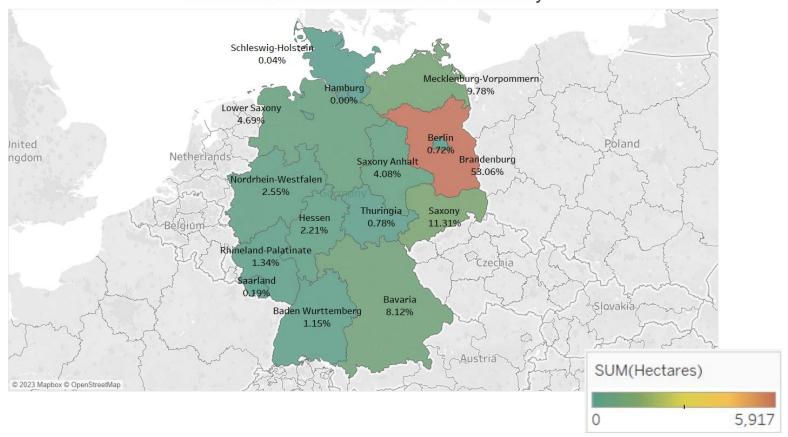


DAMAGE LEVEL FORESTS BRANDENBURG 2022

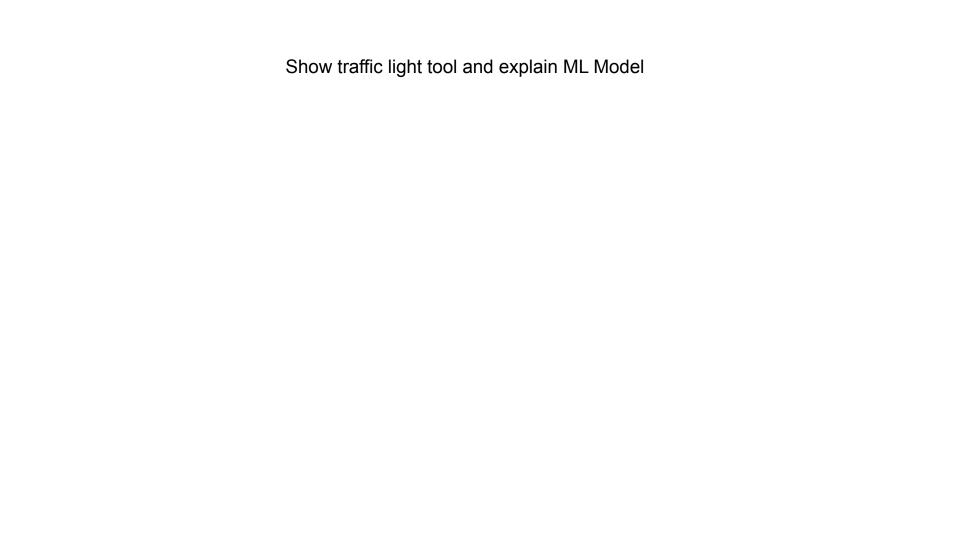


Source: Thünen-Institut

Burned hectares from 2010 to 2022 in Germany



Wildfire Map Brandenburg districts



Proposal

- Explore the future effect of climate change in Brandenburg
- A traffic light tool that helps alert on wildfires in Brandenburg



Thank you

Mirella & Sofía