

# Emission projections for Germany – Attainability of 2020 national emission ceilings

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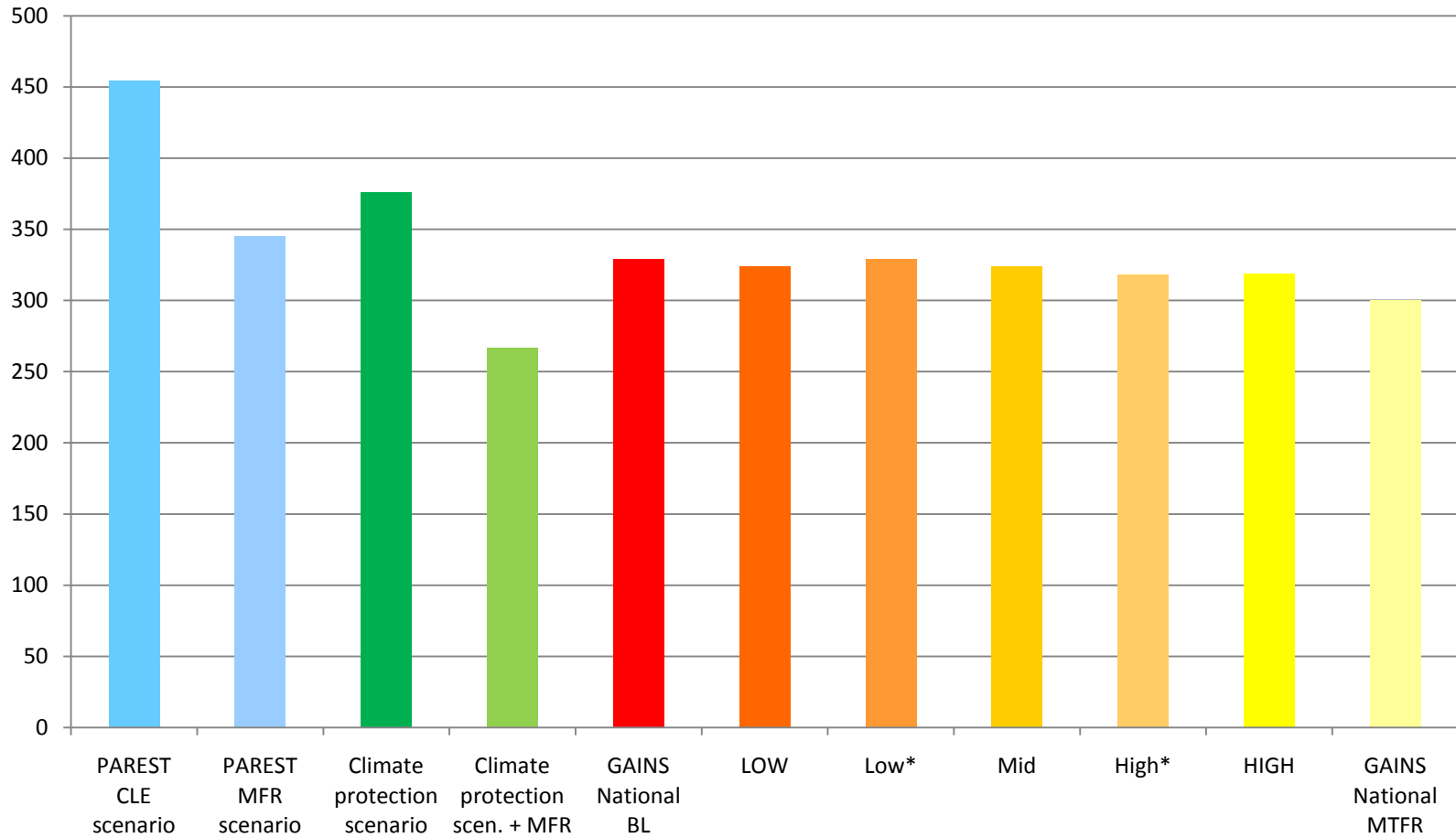
*Umweltbundesamt  
Federal Environment Agency*

# Comparison of different scenarios

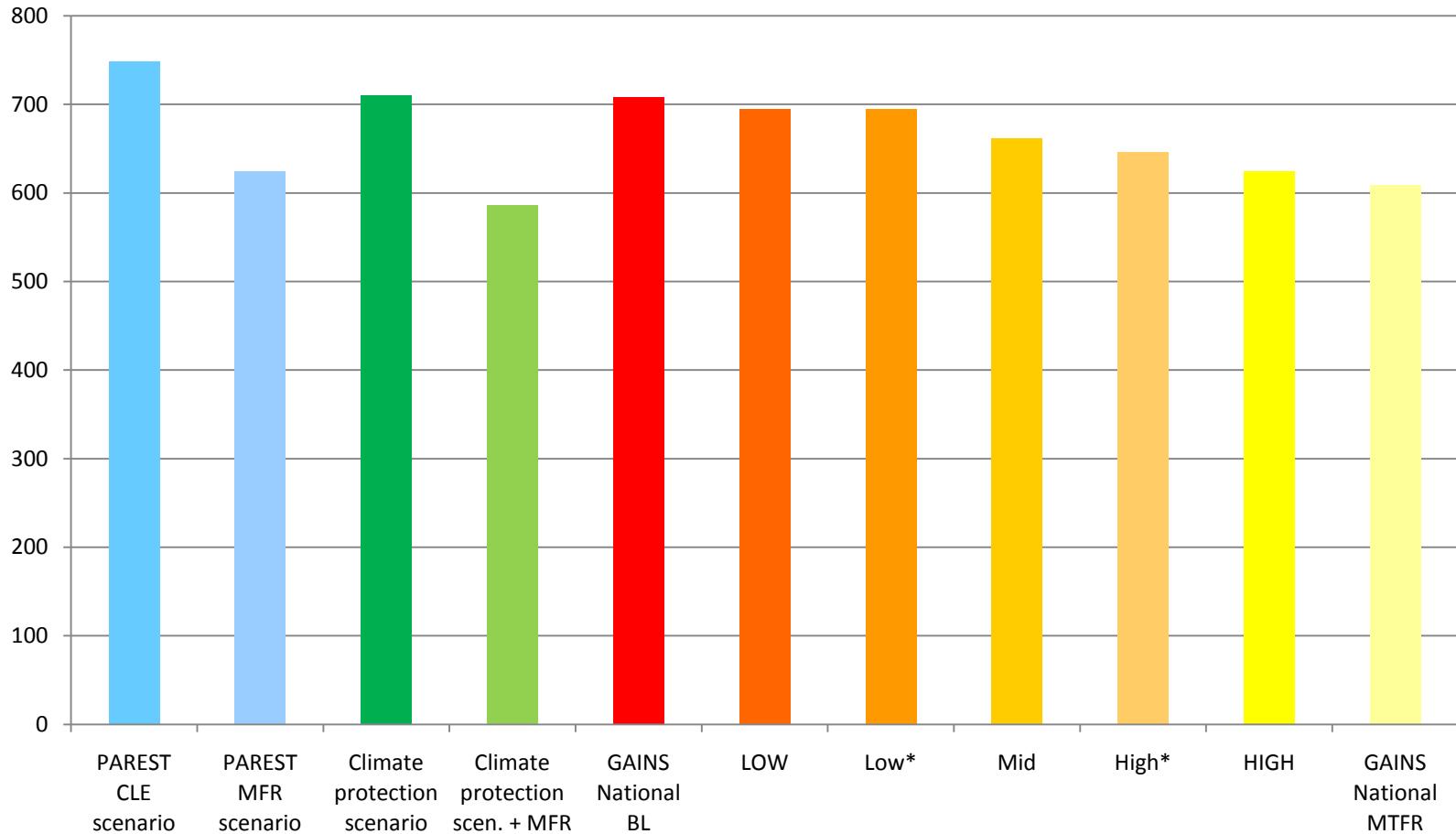
- UBA project „PAREST“
  - CLE scenario
  - MFR scenario
  - Climate protection scenario
  - Climate protection scenario + MFR
- GAINS
  - Baseline
  - Gap closure scenarios (LOW, Low\*, Mid, High\*, HIGH)
  - MTRF



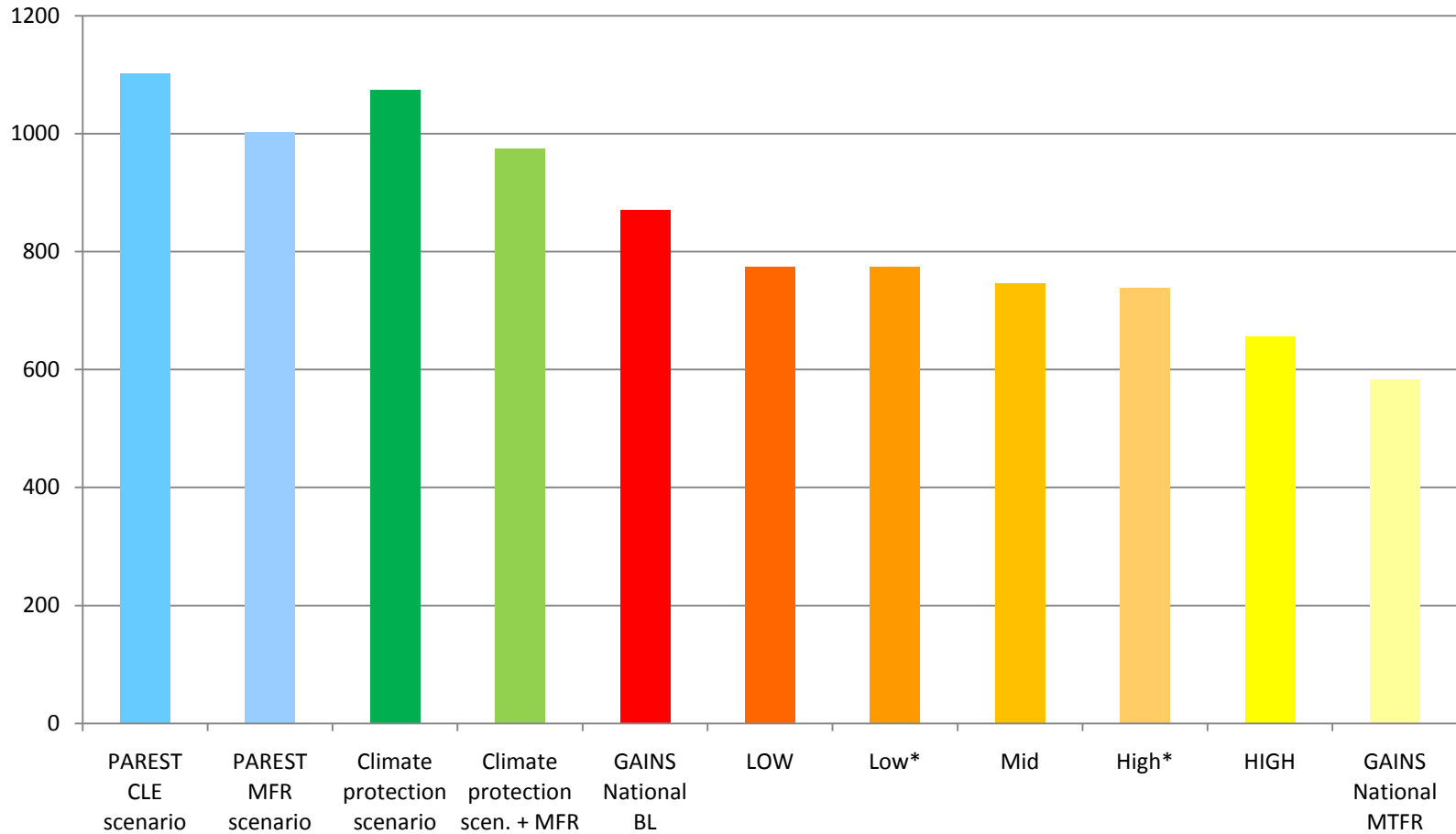
## SO<sub>2</sub> emissions in Germany, 2020 (in kt)



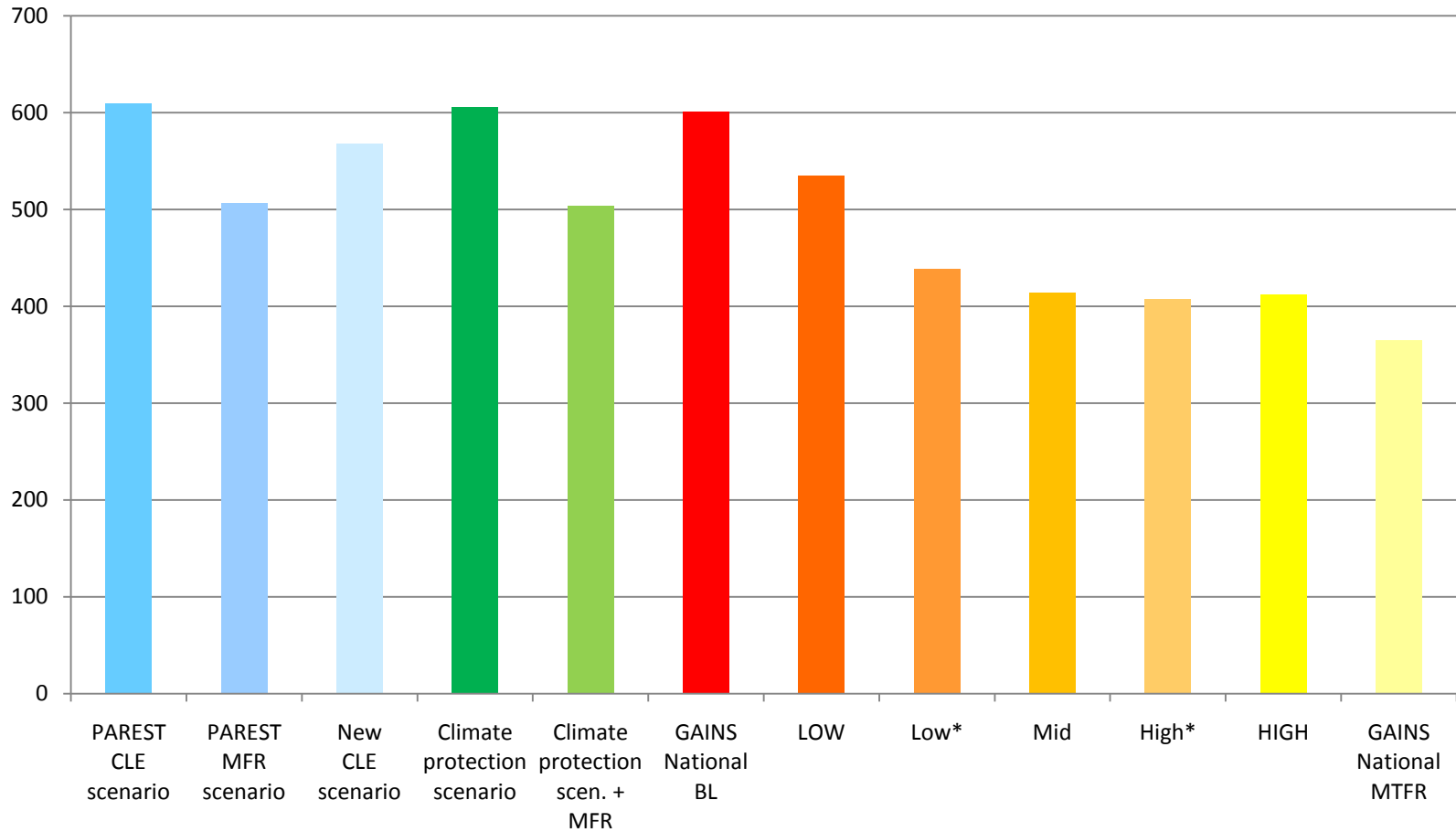
## NO<sub>x</sub> emissions in Germany, 2020 (in kt)



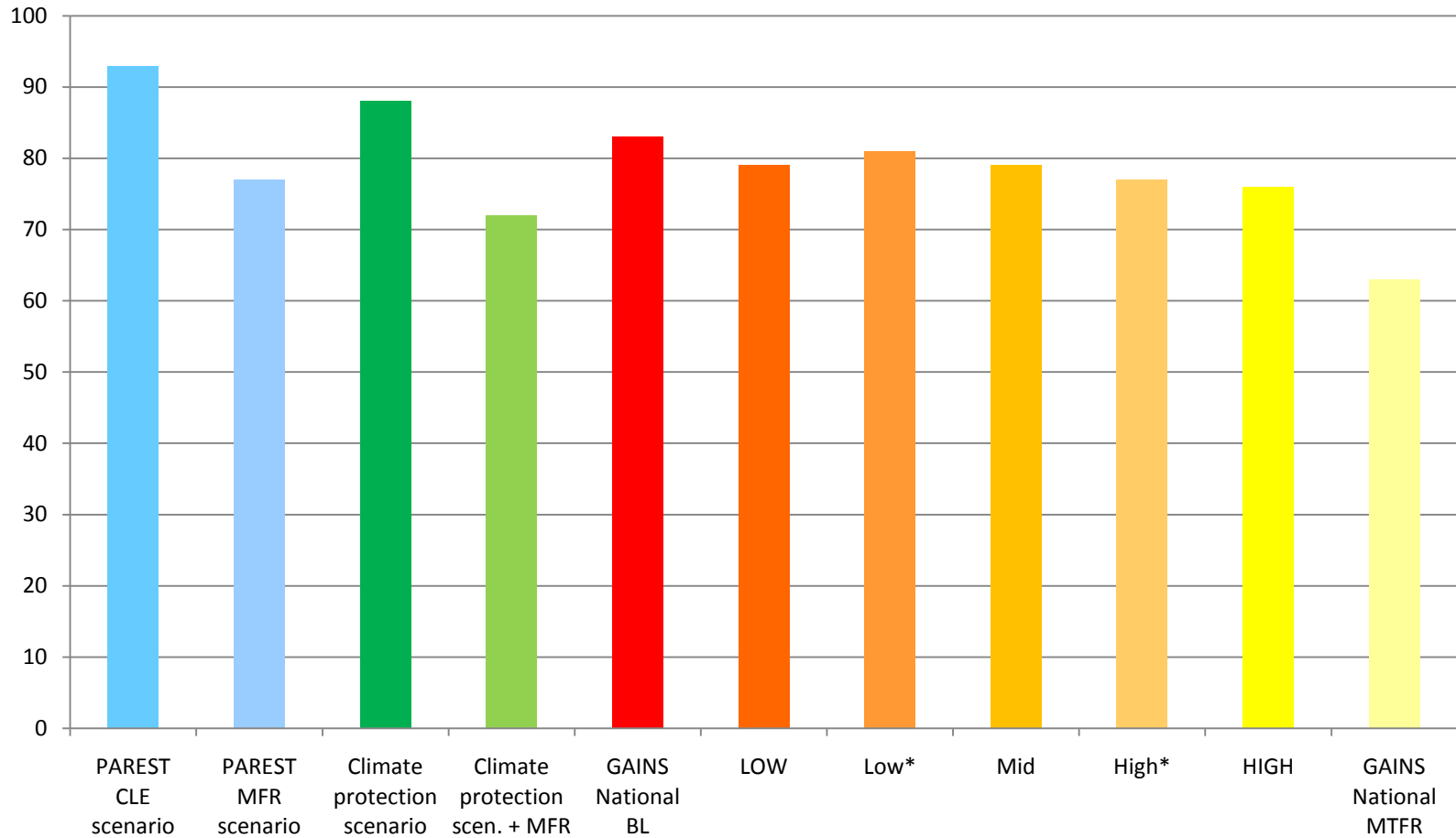
## NMVOC emissions in Germany, 2020 (in kt)



## NH<sub>3</sub> emissions in Germany, 2020 (in kt)



## PM2.5 emissions in Germany, 2020 (in kt)



## Conclusion

- For all substances the national CLE scenario is higher than the GAINS baseline scenario.
- But substantial reduction of SO<sub>2</sub>, NO<sub>x</sub> and PM<sub>2,5</sub> emissions can be achieved with additional measures → Attainability of more stringent NECs might be possible
- Special problem NH<sub>3</sub>
- Great differences between scenarios for NMVOC due to different activity data → clarification necessary



Thank you  
for your attention!

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