Global Energy Policy Research | GEPR

GEPR???
????http://agorajp.com/???
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??????????????CO2???????????????

?? ?? · Friday, August 8th, 2025

Sashkinw/iStock

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??????????????????????????????Climate Working Group, CWG?????2025?7?23??????

????????????????????????????????????**A Critical Review of Impacts of Greenhouse Gas Emissions on the U.S. Climate**??????

?????4? ??????????????????????????

????????CWG???????????????

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??????????????????????ECS????CO2???????????????????AR5?AR6?????IPCC??5???6???????

???????CO2?????????????????ECS???IPCC??????????????????
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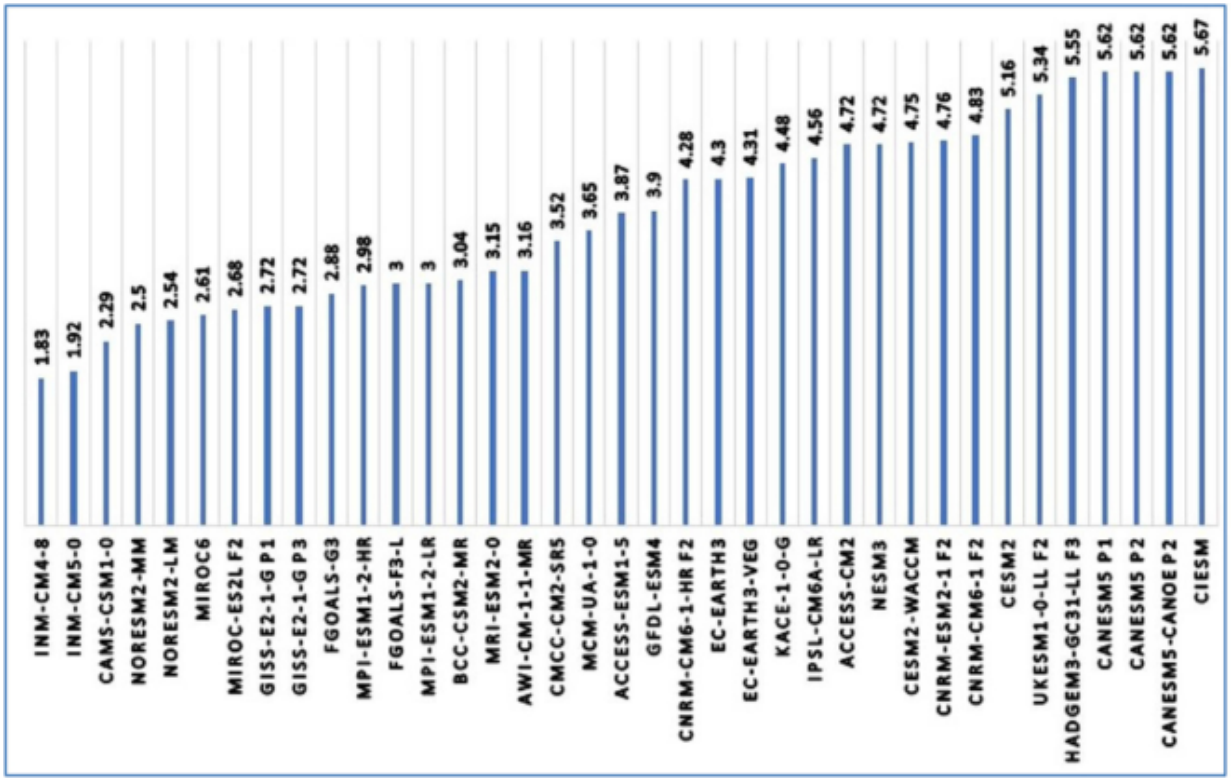
? ? ? ? ? ? ? E C S ? I P C C
AR6?ECS???????????????4.0?????AR5?4.5??
??AR6?ECS???????????????2.5???AR5?1.5??AR6
??????????????????1.8°C????????

????????????????????ECS?????????????IPCC??????????ECS?????????????????????????4.1?



?4.1 CMIP6????????37??????????????????
???????????????
????Scafetta, 2021?

? ? ? ? 4 . 1 ? ? M P I -
????????????????????????????2????????ECS???3???????????3????????????????????????????????????

Mauritsen?Roeckner?2020?????????????????????MPI????????????????????????**??**????????

??????MPI-ESM1.2??**?????????????ECS??3K??????????**????????????????????????

?????MPI????????ECS??3??????????????????????????????????????

??IPCC????????????ECS?????????????

????????????????????????????????????AR6?2021??

???IPCC??ECS??????????????ECS?????????3.1°C???????????2.6–3.9°C??????

??2????????????3?7°C?????????????2?????????????1?3°C???????????300??

AR6?????IPCC?Sherwood et al.?2020??ECS?????????3.1°C??????????2.6–3.9°C???????

????????????????????????????????????ECS?????????????????Lewis???????????Lewis??IPCC AR6??????Sherwood??????????????????

Lewis?2022??Lewis?????????Sherwood??2022????????????????????????????????2.2??17?83???????1.8?2.7°C?5?95????????????1.6?3.2?????IPCC AR6??ECS?2.3?????????5??????????Lewis?50????????????Sherwood??Lewis?????????????????????????????????

??????ECS????AR6??AR5??CWG?ECS????Lewis????1.8????????????

?????ECS?????CO2??CO2???TCR?????????????TCR????????????????????????????????IPCC?Lewis?????????????

????????TCR????????????????????????????????TCR??????????1?????70????????????????????????????????ECS?????????????????TCR??

??????????????????????????????TCR??ECS????????????????????????????AR6??TCR????????
???????1.2?2.4?????????ECS???????TCR????????????????????????Lewis?2023??????TCR???1.2
5?2.0?????ECS???AR6??????????????

???????21????????????75??????????CO2????????????????????????????????CO2??????????IPC
C?1.2?2.4??Lewis?1.25?2.0????????????????????????????

????IPCC????Lewis??CWG????????????
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