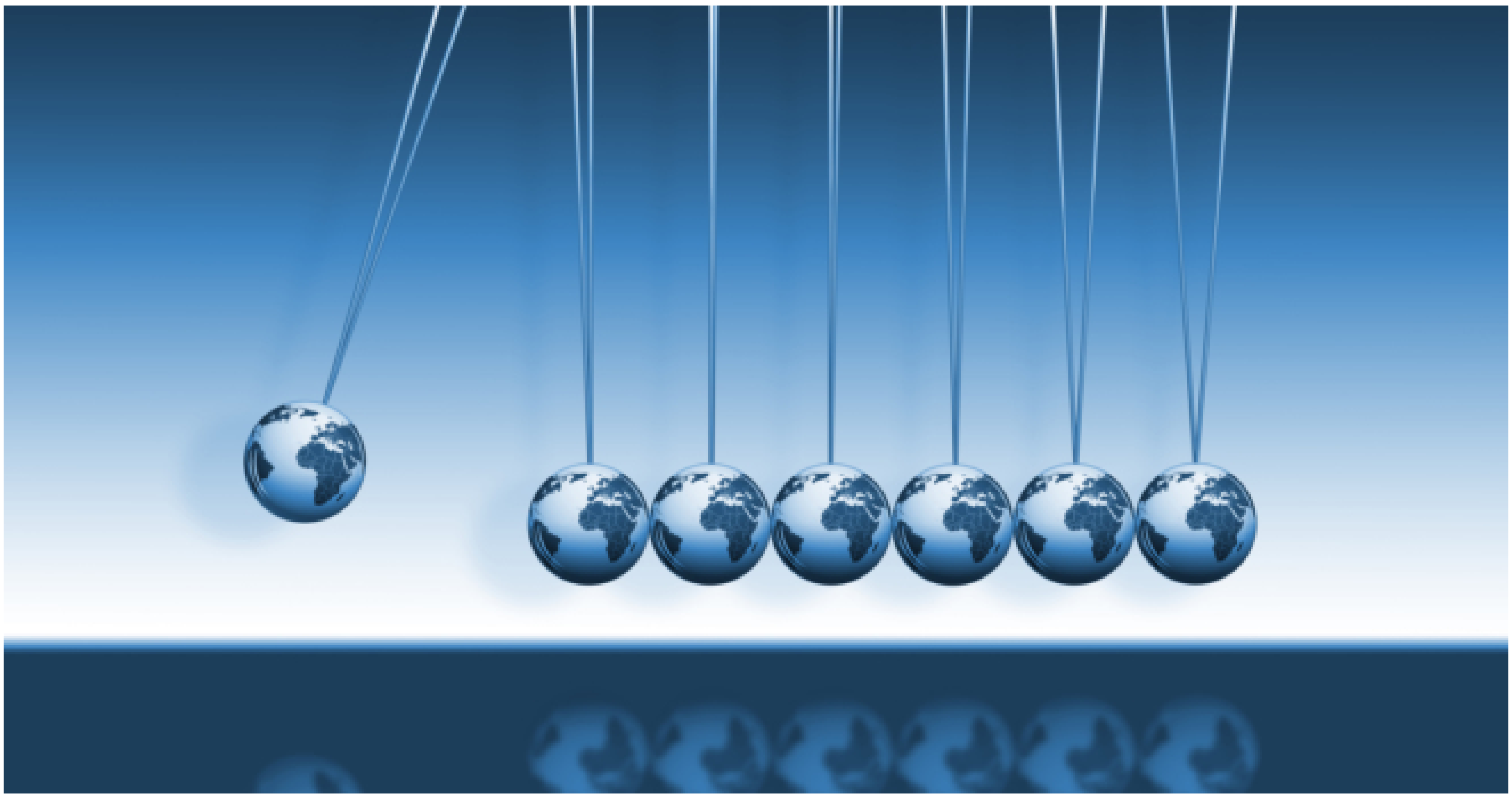
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?? ?? · Thursday, May 15th, 2025



mekcar/iStock

?????????????IPCC??

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1. ??????????

??GCM?General Circulation Model???????????????????????????

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2. ?????????????

(1) ??????????????

??50????????????????
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(2) ???????????

???CO?????????????????????????????SSP???????????RCP?????????????????????????????RCP8.5???
??

(3) ??????????

??????????????????TSI?Total Solar Irradiance???[?1?]??????????????????

??[?2?]??20
?????????CO???????????????????????????

?1??????????1645???1715????????????????????????????????????
?2??

(4) ??????????????????

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??????????????????????

(5) ??????????????

???GCM??

(6) ?????????

??“????”??????????

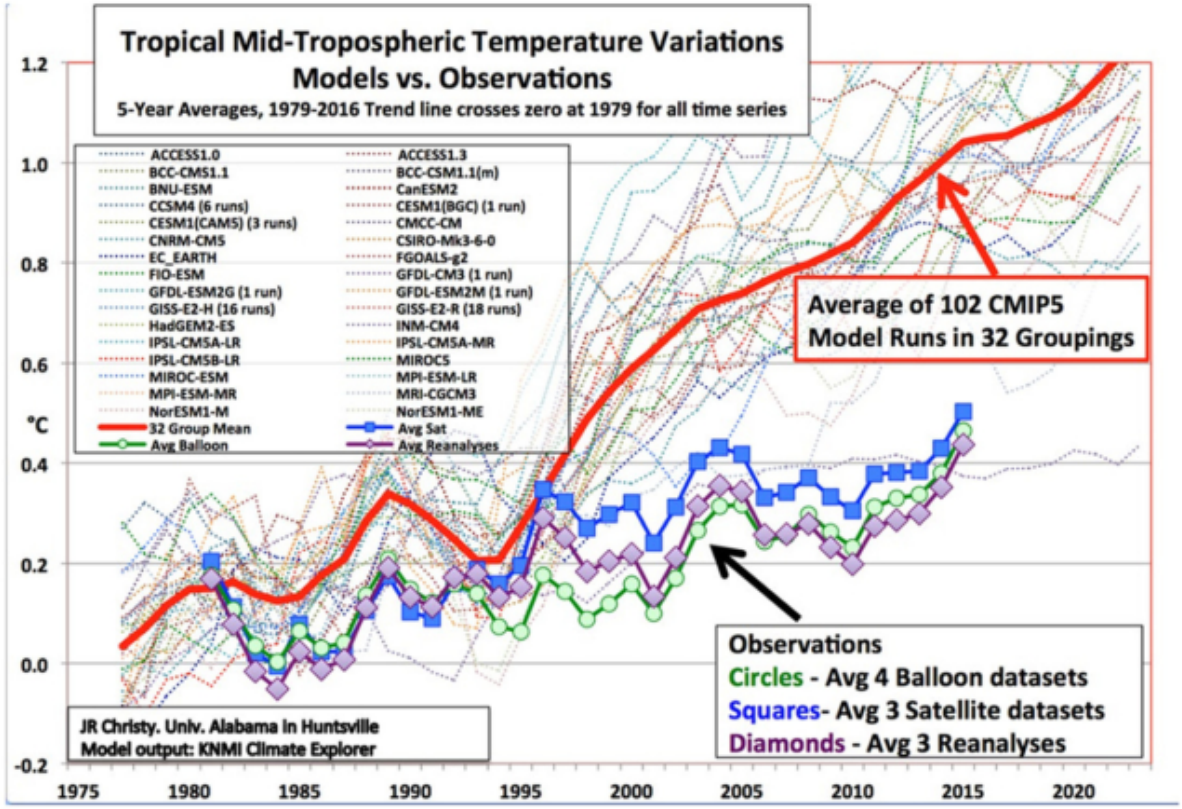
3. ??????????????????

???W. Happer??????????????????R. Lindzen?MIT????????????????????????????????EPA????????????????????????EPA???????????
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Happer-Lindzen-EPA-Power-Plants-2023-07-19

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????????????????????EPA?????????????CMIP5??????????????40????????????????????????1??????
????????????????????????????????



?1 ??????????????????????????

??????32????????102??2?3?????
??????????????

?????????????????????????INM-CM???IPCC????????????????????????????????????

?????????????????????EPA???????????????“???????????”??????????????

???W. Happer?R. Lindzen???“??”????????????“??”?????????
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4. ????????????

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- ?2100??4?????????????????????????
- ????????????????????????
- CO???????????????“???”???
- ?????????????????????

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5. ????????????

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??“????”??

6. ??????????????????

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観点	プラスの影響	マイナスの影響
政治・外交	環境先進国としての国際的評価向上 国際合意への建前的参加（COPなど）	政策の柔軟性喪失／内政の硬直化 世論形成の一元化と異論封じ
経済・産業	一部産業（再エネ、ESG、EV）への 資金集中 新規市場の創出	電力価格の高騰／生産コスト上昇 国内産業の空洞化と停滞
社会・生活	環境意識の向上／エシカル消費の普及	家計負担の増大／格差拡大 若年層の将来不安・消費冷え込み
科学・教育	気候科学への注目／環境教育の進展	気候モデルへの過信／多様な科学的視点の排除
環境そのもの	一部での排出量抑制努力の継続	太陽光・風力による森林破壊や景観損失 EV・再エネ素材採掘による環境破壊（海外）

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7. ????

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- IPCC AR5, AR6 ??????????????????TSI????
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