Climate-change policy articles from across Nature Portfolio

Definition

Climate-change policy encompasses policies formulated specifically to tackle climate change and can be local, national or international in scope. These broadly fall into two categories; those designed to minimise the extent of climate change â€“ climate change mitigation â€“ and those intended to minimise risks and seize upon new opportunities â€“ climate change adaptation.

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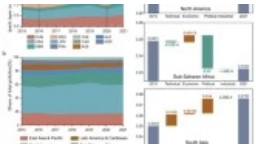

Global climate governance inequality unveiled through dynamic influence assessment

- Di Wang
- Yuzhu Fang

ResearchOpen Access09 Sept 2024 npj Climate Action
Volume: 3, P: 75

Public support for carbon pricing policies and revenue recycling options: a systematic review and meta-analysis of the survey literature

- Farah Mohammadzadeh Valencia
- Cornelia Mohren
- Jan Christoph Steckel

ResearchOpen Access07 Sept 2024 npj Climate Action
Volume: 3, P: 74

Uncovering the reasons behind the failure of pastoralists in adopting climate change adaptation strategies

- Mohsen Sharaftmandrad

- Ahmad Abedi Sarvestani
- Mohammad Hassanzadeh Nafooti

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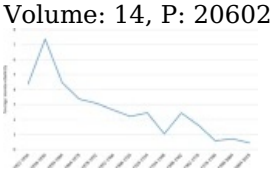
Volume: 14, P: 20602



World economiesâ€™ progress in decoupling from CO_2 emissions

- Jaume Freire-GonzÃ¡lez
- Emilio Padilla Rosa
- Josep Ll. Raymond

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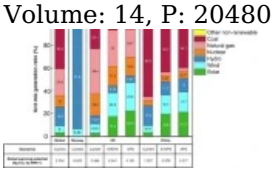
Volume: 14, P: 20480

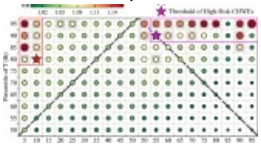


Electric light-duty vehicles have decarbonization potential but may not reduce other environmental problems

Electric light-duty vehicles reduce carbon dioxide emissions as the electricity grid mix becomes cleaner, but they may not mitigate particulate matter emissions due to electricity generation, according to life-cycle assessment and electricity generation forecasts in the United States, China, and Norway.

- Hao Chen
- Serife Elif Can Sener
- Michael Carbajales-Dale

ResearchOpen Access31 Aug 2024 Communications Earth & Environment
Volume: 5, P: 476



Changes caused by human activities in the high health-risk hot-dry and hot-wet events in China

Over the past 40 years, human activities in China have led to high health-risk compound heat anomalies, especially in the Yangtze River region, which could be reduced by 2060, if carbon-neutral scenarios are implemented, according to analysis of the ambulance dispatch data, air temperature, and relative humidity.

- Haoxin Yao
- Liang Zhao
- Cunrui Huang

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Volume: 5, P: 464

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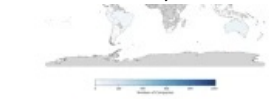
News and Comment

- **National adaptation plans**

  - Lingxiao Yan

Research Highlights06 Sept 2024 Nature Climate Change
Volume: 14, P: 896



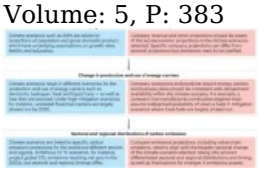
Science-based targets miss the mark

Achieving the long-term temperature goal of the Paris Agreement relies on every actor maximising their effort to reduce emissions. Generic targets claiming a basis in science have been used to justify inequitable efforts that

insufficiently stretch the ambition of the best-resourced countries and companies.

- Andy Reisinger
- Annette L. Cowie
- Alaa Al Khourdajie

Comments & OpinionOpen Access23 Jul 2024 Communications Earth & Environment
Volume: 5, P: 383



Science-based principles for corporate climate transition risk quantification

Currently, no comprehensive scientific methodology of corporate risk quantification, in response to new disclosure regulations, has been proposed in the literature. Here we develop fundamental principles that are important for the appropriate use of climate scenario science in transition risk assessments.

- Fouad Khan
- Edward Byers
- Keywan Riahi

Comments & Opinion18 Jul 2024 Nature Climate Change
Volume: 14, P: 770-772

Artificial Intelligence can help Loss and Damage only if it is inclusive and accessible

Loss and Damage benefits from the inclusion of Artificial Intelligence systems to support prevention and assessment. As AI research and development is highly dominated by western and private-led powers, the effectiveness of its use is limited for vulnerable countries. We call for an accessible, inclusive and locally-grounded AI to serve the needs of the most vulnerable, support Article 8 of the Paris Agreement and democratise innovation.

- Francesca Larosa
- Adam Wickberg

Comments & OpinionOpen Access12 Jul 2024 npj Climate Action
Volume: 3, P: 59

Explaining green industrial policy in an age of globalization

Governments are increasingly using industrial policy to develop low-carbon economic sectors and catalyse the energy transition. A recent study provides a framework to explain why governments adopt different types of green industrial policy, depending on industry position in the global supply chain and types of uncertainty.

- Jessica F. Green

News & Views12 Jul 2024 Nature Climate Change
Volume: 14, P: 783-784

Political obstacles to carbon capture and storage for carbon removal

Using carbon dioxide capture and storage (CCS) for carbon removal is crucial to climate policy, but implementation at scale is at risk owing to political obstacles. Climate policies must avoid relying on empty promises of CCS for carbon removal without necessary financial resourcing and support emissions reductions separately from carbon removal.

- Nils Markusson

Comments & Opinion02 Jul 2024 Nature Reviews Earth & Environment
Volume: 5, P: 481-482

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