

Renewable energy production will exacerbate mining threats to biodiversity

renewable energy production could surpass those averted by climate change mitigation. ... production will exacerbate mining threats to biodiversity, Nature Communications (2020). DOI: 10.1038 ...

Facilities that store the waste and tailings of mining operations pose a salient threat to biodiversity. Despite international consensus to mitigate mining impacts on local ecosystems, globally ...

Renewable energy production will exacerbate mining threats to biodiversity. Sonter, Laura J., Dade, Marie C., Watson, James E. M. and Valenta, Rick K. (2020). Renewable energy production will exacerbate mining threats to biodiversity. Nature Communications, 11 (1) 4174, 4174. doi: 10.1038/s41467-020-17928-5

We found renewable energy production will exacerbate the threat mining poses to biodiversity - the world's variety of animals and plants. It's fair to assume that in some places, the extraction ...

ating new mining threats for biodiversity (Sonter et al. 2020). Targeted strategic planning should be considered. If not, renewable energy production and storage deduced extra mining threats for biodiversity may surpass those averted by energy crisis and climate change mitigation. In a word, technically reliable, environmentally

The challenges of managing biodiversity in mining regions will be presented, illustrating how renewable energy production can exacerbate the mining threats to biodiversity in certain locations. The event will discuss current ways of mitigating impacts, such as compensation for loss of biodiversity, and how they are unable to offset the losses.

More than 80% of mining areas worldwide target materials critical to renewable energy production. 2 ... driving deforestation worldwide, 5 and threatening biodiversity, 2 sometimes in ... Watson, J.E.M. et al. "Renewable energy production will exacerbate mining threats to biodiversity." Nature Communications, Vol. 11, 4174 (2020). doi:10.1038 ...

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If not, renewable energy production and storage deduced extra mining threats for biodiversity may surpass those averted by energy crisis and climate change mitigation. In a word, technically reliable, environmentally friendly and economically feasible to extract and store renewable energy at abandoned coal mines or any type of abandoned mines ...

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Renewable energy contributes substantially to climate change mitigation, but its expansion can have trade-offs with biodiversity. These trade-offs could be reduced by building a strong evidence base, rationalizing the selection of sites and operational characteristics of renewable energy installations, and coordinating concerted policy efforts at the national and ...

Renewable energy particularly affects biodiversity "Mining threats to biodiversity will increase as more mines target materials for renewable energy production and, without strategic planning ...

What does "mainstreaming biodiversity" mean in practice? The Convention on Biological Diversity has initiated the discussion on how consideration of biodiversity in policy and approaches can become normal practice in the energy and mining sector. It is supported by the UN Environment World Conservation Monitoring Centre.

Mining threats to biodiversity will increase as more mines target materials for renewable energy production and, without strategic planning, these new threats may surpass those averted by climate change mitigation. Renewable energy production is necessary to halt climate change and reverse associated biodiversity losses. However, generating the required ...

"Renewable energy production will exacerbate mining threats to biodiversity" by Laura J. Sonter et al. was published in Nature Communications at 16:00 UK time on Tuesday 1 September 2020. DOI: 10.1038/s41467-020-17928-5 Declared interests. Prof Frances Wall: "No conflicts." Dr Sharon George: "I don't have any interests to declare."

Mining threats to biodiversity will increase as more mines target materials for renewable energy production and, without strategic planning, these new threats to biodiversity ...

Renewable energy production, for example, has the potential to exacerbate mining threats to biodiversity,⁸ and generate corruption, conflict and exploitation. More than half of critical energy ...

We found renewable energy production will exacerbate the threat mining poses to biodiversity - the world's variety of animals and plants. ... Our results suggest mining of renewable energy ...

1 day ago· Thursday 07 november 2024. A new report from the World Resources Institute (WRI) sheds light on the growing threat of mining on forests, especially in tropical primary rainforests and protected areas that are critical for biodiversity ...

Renewable energy production will exacerbate mining threats to biodiversity Abstract « Renewable energy production is necessary to halt climate change and reverse associated biodiversity losses.

Mining potentially influences 50 million km² of Earth's land surface, with 8% coinciding with Protected



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Areas, 7% with Key Biodiversity Areas, and 16% with Remaining Wilderness. Most mining areas (82%) target materials needed for renewable energy production, and areas that overlap with Protected Areas and Remaining Wilderness contain a ...

A new study appearing in the journal Nature Communications says that increasing demand for minerals used in renewable energy production is a looming threat to biodiversity conservation, and without careful planning, may surpass those averted by climate change mitigation in the short term.. The study, led by the University of Queensland and Wildlife ...

Renewable energy production is necessary to halt climate change and reverse associated biodiversity losses. However, generating the required technologies and infrastructure will drive ...

Anticipated infrastructure growth and energy transition may exacerbate biodiversity loss through increased demand for mining products. This study uses an enhanced multiregional input-output database (REX, Resolved EXIOBASE) and supply chain impact mapping (SCIM) method to assess global biodiversity loss associated with mining-related land use. We identify ...

Mining the materials for the expanding renewable-energy industry could prove worse for biodiversity than climate change. International agreements to reduce greenhouse-gas emissions have led to a ...

Regions of the world in grey did not have enough renewable installations to make accurate predictions. The likelihood of any 30km by 30km cell to contain wind (a) or solar photovoltaic (b) energy versus the importance of the same cell for biodiversity ("PA ranking") Source: Dunnett et al. .

Mining threats to biodiversity will increase as more mines target materials for renewable energy production and, without strategic planning, these new threats to biodiversity may surpass those ...

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