Goglio, P., et al. (2019). Advances and challenges of life cycle assessment (LCA) of greenhouse gas removal technologies to fight climate changes


"In this article, challenges for LCA are reviewed and discussed together with some alternative approaches for assessment of GGRTs. In particular, GGRTs pose challenges with regards to the functional unit, the system boundary of the LCA assessment, and the timing of emissions."

LINK

Read more » Goglio, P., et al. (2019). Advances and challenges of life cycle assessment (LCA) of greenhouse gas removal technologies to fight climate changes


"Bastin et al. (Reports, 5 July 2019, p. 76) neglect considerable research into forest-based climate change mitigation during the 1980s and 1990s. This research supports some of their findings on the area of land technically suitable for expanding tree cover, and can be used to extend their analysis to include the area of actually available land and operational feasibility."

Call for Applications: Terraforming 2020

Deadline: 31 October, 2019

"The Terraforming is planned as a three-year research cycle, with three cohorts joining us in central Moscow at the Strelka Institute campus for a five-month intensive curriculum with our faculty where we will develop original research projects in collaboration."

Read more » Call for Applications: Terraforming 2020

"As large tracts of Indonesia’s forest land go up in flames for the second time in five years, scientists are warning that the world’s rainforests risk becoming caught in a reinforcing cycle of destruction that could make them difficult to save."


Hilaire, Jérôme; et al. (2019): Negative emissions and international climate goals—learning from and about mitigation scenarios

Hilaire, Jérôme; Minx, Jan C.; Callaghan, Max W.; Edmonds, Jae; Luderer, Gunmar; Nemet, Gregory F. et al. (2019): Negative emissions and international climate goals—learning from and about mitigation scenarios. In Climatic Change. DOI: 10.1007/s10584-019-02516-4.

"Most recent evidence stresses the importance of future socio-economic conditions in determining the flexibility of NET deployment and suggests opportunities for hedging technology risks by adopting portfolios of NETs. Importantly, our thematic review highlights that there is a much richer set of findings
on NETs than commonly reflected upon both in scientific assessments and available reviews."

Read more » Hilaire, Jérôme; et al. (2019): Negative emissions and international climate goals—learning from and about mitigation scenarios

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# Calls & events

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Call for Applications: Carbon180 Entrepreneur-in-Residence Fellowship

Deadline: 3 November 2019

"Participants will work hand-in-hand with the Carbon180 team for a period of 12 months, receiving mentorship from carbon removal and carbontech experts. Investors, corporate strategists and entrepreneurs will be on-hand to help refine the technology, business models, and go-to-market strategies, resulting in a fully formed and vetted carbontech business plan by the end of the fellowship."

Read more » Call for Applications: Carbon180 Entrepreneur-in-Residence Fellowship
Financial Times: Clock ticks on US carbon capture projects

"New projects using the credit, known as 45Q after its chapter of the tax code, must start construction before January 1, 2024."

LINK

Read more » Financial Times: Clock ticks on US carbon capture projects
Jobs at Wageningen University: 2 Fully funded PhD positions Climate Governance/ Climate Transparency

Deadline: 10 November 2019

"We are looking for two PhD students with a background in political science, international relations, global environmental governance or related field, to join an exciting new project on ‘The Transformative Potential of Transparency in Multilateral Climate Governance’ (TRANSGOV)."

[Read more](#)

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# New Publications

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Despite growing recognition that Europe must adapt to climate variability and change, there is still limited evidence of adaptation implementation. At the same time, despite knowing that successful adaptation will be contingent on societal factors just as much as on technical ones, there has been very little research into social perceptions of adaptation technologies.

Read more » Bellamy, Rob (2019): Social readiness of adaptation technologies

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# Media

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Seeker: Why the World’s First Solar Geoengineering Test Is So Controversial (Video)

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