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NOVEL CCU TECHNOLOGIES: A SAPEA REPORT

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NOVEL CCU TECHNOLOGIES: A SAPEA REPORT

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ABSTRACT

While greenhouse gases emissions are reaching alarming levels, fossil fuels still represent 80% of the world energy portfolio and 95% of our chemical commodities rely on non-renewable resources, namely hydrocarbons. In this context, utilizing CO₂ as a C1 building block to produce platform chemicals and fuels as an alternative to petrochemistry has a double advantage of reusing CO₂ while sparing fossil resources and avoiding CO₂ emissions from their use.^[1] In this presentation, the main conclusion of the report ordered by SAPEA to a panel of 15 European experts in the field will be discussed.^[2]

REFERENCES

- [1] Boddien, A.; Federsel, C.; Sponholz, P.; Mellmann, D.; Jackstell, R.; Junge, H.; Laurenczy, G.; Beller, M. *Energy Environ. Sci.* **2012**, *5*, 8907.
- [2] <https://www.sapea.info/ccu/>.