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Fossil fuel CO2 tracing by atmospheric 14CO2 measurements in China

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As a large carbon emitter, how much of the increased atmospheric CO2 derived from fossil fuel emissions is not only an important scientific question, but also important to assess the current policies of carbon peak and carbon neutrality in China. Because of the complete depletion in fossil fuels, radiocarbon (14C) is regarded as an independent and objective tool to evaluate fossil fuel CO2 (CO2ff) emissions. In this presentation, we will show the progresses of tracing CO2ff emissions by atmospheric 14CO2 measurements in China, including the background 14CO2 measurements, spatial-temporal distribution of CO2ff in Chinese cities, and the contributions from different sources, etc.

Student Submission

No

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