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Physical and chemical hazards of CO_2 sequestration activity State of the art and experience feedback at Krechba (In Salah) pilot site

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Abstract: In order to reduce the CO2 release into atmosphere and thus contribute to reducing the greenhouse effect, the industrial process of CO2 sequestration is still at an experimental stage. This technique of CO2 geological sequestration are not fully controlled and raise issue of technological, environmental, human and organizational hazards and their effects on human health, environment and economy. From CO2 capture to transportation then injecting it into underground natural reservoirs where it is stored, geochemical, geophysical and generally industrial risks are still not very well recognized and identified. The behaviour of CO2 is not yet fully identified deep geological environment. It is therefore necessary to build, in support of this industrial CO2 storage process, proactive analysis of more transversal and overall risk for better control, technological processes of capture, Transport, Storage of CO2 (CTSC).