

We hereby provide information about our organisation with the intention to team up with other CCUS experts. We are interested in discussing new project proposals to upcoming ACT Calls related to subjects listed below.

1. Name of Institution

University of Brescia

2. Specialities field within CCS

Waste materials, such as incineration fly ash and other ashes, as bottom ash, coal fly ash, flue gas desulphurization residues, and silica fume, are stabilized by a new low-cost technology. In this context, the CO₂ is used as a raw material to favor the chemical stabilization of the wastes and produce stable carbonate phases. The process is made at room temperature, resulting very convenient and sustainable. Results reveal that the treated materials are able to sequester till 90 g CO₂/kg of ash. The aim of the future activity is to use accelerated carbonation with the aim to improve the velocity of the reactions and the amount of CO₂ sequestered.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6747609/>

3. Website

<https://en.unibs.it/>

4. Contact person:

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