Industry Call for Opportunities

Seeking Technologies and Approaches for the Abatement of Diffuse Dust Emissions

A global mining and steelmaking company is seeking methods to eliminate diffuse dust emissions from their production plants and surrounding areas. Specifically, the team are looking for **novel technologies or approaches to abate or control nonpoint, diffuse dust emissions, to prevent contamination of the wider environment**, going above and beyond current legal requirements for emissions. Any diffuse dust particulates that can be damaging to human and environmental health are of interest. Stack emissions direct from manufacturing processes are not of interest for this campaign.

Approaches of Interest:

- Any diffuse dust particulate materials produced or present in manufacturing environments are of interest including mineral, road and process dust emissions
- All novel approaches to abate diffuse dust emissions are of interest, including (but not limited to) filtering, capturing or ventilation
- All particulate matter sizes are of interest
- The team is particularly interested in approaches to manage diffuse dust employed in other sectors (e.g. agriculture) which could be applied in steel plants

Out of Scope:

- Methods and approaches that only monitor or measure diffuse dust emissions
- Approaches to abate particulate emissions produced directly from manufacturing processes (stack emissions)
- Approaches already widely available or well-known in steel plant settings

Developmental Stages of Interest:

- Opportunities at any technology readiness level (TRL) are of interest
- Promising approaches will be invited to develop a proof of concept in collaboration with the client company. Ideas and approaches towards a proof of concept can be shared using this optional submission form.

Submission Information and Opportunity for Collaboration

Submission of one page, 200-300 word briefs are encouraged, with any optional supplementary information e.g. relevant publications or patents. Submitters are encouraged to provide the TRL of the opportunity and where possible, use the above submission form to outline plans to achieve proof of concept of the approach. In submitting to this campaign, you confirm that your submission contains only non-confidential information.

Our client is open to a range of collaboration opportunities, with the most appropriate outcome being decided on a case-by-case basis.

Opportunities sought

- Technologies
- Academics and expertise
- Centres of excellence
- Research projects
- Spinout companies

Submissions

Please submit relevant, non-confidential opportunities online here

Deadline: **4th March 2024 - 11:59 pm GMT**

Have any questions?
Contact our team at discover@in-part.co.uk