

High barrier monomaterial flexible films for food contact applications

2nd Open Day Workshop

1st Announcement

The HiBarFilm2 project is pleased to announce their 2nd Open Day Workshop.

Date	11 February 2025
Venue	Homerton College, Cambridge UK - hybrid
Participation is <u>free</u> but registration is required. To register follow this Link	

This would be a great opportunity to meet the project partners and learn about their work in the project, as well as their products and services.

The HiBarFilm2 project has the objective to achieve the same barrier performance using a mono-materials polyolefin film as the currently used multilayer barrier films. The project consortium aims to accomplish this using plasma functionalised nanomaterials to increase barrier performance in two main areas of focus; firstly by mixing the nanomaterials directly into the polyolefin prior to filming, adding barrier properties to the film itself – both polyolefin films and compostable plastics will be used to also address the issue with contamination of films with food waste such as fats and blood; and secondly, by dispersing the nanomaterials into a barrier coating which can be applied to the polyolefin substrate. The advantage being the two solutions can be combined to increase the barrier performance further. By manufacturing mono-material flexible films the recyclability of these materials will increase, and value will be added.

External organisations that have already confirmed participation are: **Novartis Pharma (CH); Haleon; Avanzare; University of Cambridge; Ourobio / ecogenesis; Innovia Films; one • five; DOMINO; and Queen Mary University of London.**

The HiBarFilm2 project is an **Innovate UK** funded project (Ref: 10015317) that started in March 2022. *Haydale Composite Solutions Ltd* is leading the consortium of eight partners - **BASF, Bangor University, Cambridge Nanomaterials Technologies, Dunbia, Fre-Energy, Parkside Flexibles, and Wells Plastics** - to develop the next generation of high barrier films for food packaging using functionalised nanomaterials.



If you are interested in attending, register your interest filling the form found at [project website \(www.hibarfilm.co.uk\)](http://www.hibarfilm.co.uk), or send an email to the organisers Cambridge Nanomaterials Technology Ltd., at info@hibarfilm.co.uk.