

FORTHCOMING CES SEMINAR

Thursday 12th February 2009 at 13.00 hours
Room 45A AZ 04

EnvISion: Sustainable Industrial Development through Industrial Symbiosis Opportunities for Collaborative Research & Consulting

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The South Humber Bank (SHB) is an area of strategic industrial importance within the UK and is considered one of the most important gateways to the UK. A charter has been drawn-up to provide a working framework between industrial partners and local and regional authorities with the aim of coordinating the development of the SHB. Within the framework, Link2Energy, which runs the highly successful National Industrial Symbiosis Programme (NISP) in the Yorkshire & Humber region, has been invited to influence this regeneration through the development and deployment of the principles of industrial symbiosis/ecology (IS/IE). This will be achieved via EnvISion.

EnvISion is the practical delivery platform for visionary IS/IE theory that focuses on four key themes:

- **Decentralised Power Production** considers issues relating to utility networks in an area where high levels of embedded generation exist and ambitious plans for biofuels production and sea turbines are high on the development agenda. The given theme also explores the SHB's potential for contributing to a hydrogen economy.
- **Resource Innovation** looks at the extraction of high value components (e.g. omega 3 from fish oils and 'oil' from waste plastics) within the overall concept of 'zero waste'.
- The **Public-Private Sector Partnership** looks at closer potential partnerships between the SHB's industrial sector and its neighbouring communities with the intention of paving the way for further resource efficiency in the form of transfer of waste heat to the local municipalities, thus also addressing local fuel poverty issues.
- **Capitalisation of Conducive Environments** is based on an evolving theory for providing an informed template for resource efficient regeneration based on an area's *natural* and *industrial* assets.

The objective of the seminar is to paint a picture of South Humber Bank development and the four themes of the EnvISion project, with the **overall purpose of prompting discussion on potential inputs from the University of Surrey** into the creation of a model for replicable world scale sustainable industrial development.