



## Mastère Spécialisé IBE

### Week 5

### UK Study Trip

<b>Dates</b>	12 – 16 May 2014
<b>Title</b>	Study Trip - UK
<b>Coordinators</b>	Jean Carassus, James Gilbert
<b>Trip organisers</b>	Leeds Metropolitan University Leeds Sustainability Institute Salford University
<b>Training objective for the week</b>	Learning lessons from the experiences of another European country
<b>Reading list</b>	Documents available on Educnet, to be consulted before the study trip
<b>Training methods</b>	Conferences, technical presentations, visits of buildings and of research facilities
<b>Evaluation of participants</b>	Written report for publication on the course website
<b>Evaluation of the week by the participants</b>	Online questionnaire
<b>Number of ECTS</b>	2

**Monday 12<sup>th</sup> May****Location:** Leeds and Bradford

Time	Activity
09:40	Departure from Paris CDG
10:20	Arrival at Manchester Airport, then coach transfer to Leeds
11:50	Welcome coffee. Welcome from Sue Palmer, Associate Dean. Introduction by Farzad Khosrowshahi to presentation on UK Building industry given by Professor Malcolm Bell.
12:30	Presentations from Mark Warner on university sustainability and from Dr James Parker on Building Simulations on Airports and university buildings.
13:00	Lunch
13:40	Look at City Campus refurbishments and then travel to Headingley Campus to see buildings, Mark Warner to give overview on what is happening with building stock.
15:30	Travel to <a href="#">Bradford Town Hall</a> . This is an iconic Bradford Building which is interesting architecturally and has a central position in the town. The challenge for the council is to upgrade a Victorian building to make it more energy efficient while maintaining its historic features.

**Tuesday 13<sup>th</sup> May**

**Location:** Leeds

<b>Time</b>	<b>Activity</b>
09:00	Presentation on policy and research, testing <a href="#">the Green Deal</a> and Ecofunding
09:30	Travel to various locations in Leeds where retrofitting has been taking place. Presentation of different areas and building typologies (Dr David Glew and Professor Chris Gorse).
12:00	Tour by Lindsay Smales, followed by lunch at the Boathouse Inn
13:00	Lunch
15:00	Presentations from Andrew Walker and Jonathan Lyndh (Industry partners working with LSI on wall insulation solutions for existing buildings that are cost effective and avoid condensation problems)
16:00	Question and Answer session
16:15	Coffee
17:00	Presentation from Ecole des Ponts ParisTech – the Master’s course, current research in France, followed by Q and A.

**Wednesday 14<sup>th</sup> May**

**Location:** Salford and Wakefield

Time	Activity
08:30	Departure (by coach) – travel to Salford
09:30	Introduction to Applied Buildings and Energy at Salford <a href="#">Energy House</a> presentation and tour People and Heating
13:00	Lunch
14:30	Travel to Hepworth Gallery, Wakefield. A recent building, opened in 2011, designed by David Chipperfield – it won the regional building of the year award in 2012. Presentation about the building and the art gallery, with an opportunity to visit the collection. ( <a href="http://www.hepworthwakefield.org/">http://www.hepworthwakefield.org/</a> )

**Thursday 15<sup>th</sup> May**

**Location:** Leeds

<b>Time</b>	<b>Activity</b>
09:00	Demonstration of equipment in Queen Square: thermal cameras; heat flux sensors; temperature sensors; CO2 sensors; in order to show how researchers at the LSI undertake the co-heating test.
09:40	Overview of Performance Gap and Building Forensics, presentation of the coheating test and whole heat loss testing – results and reliability, given by Dominic Miles-Shenton followed by Q and A
11:00	Coffee Break
11:30	Presentation on Urbanism given by Professor Ian Strange
12:15	Lunch
13:45	Presentation from Dr Lindsay Smales and then walking tour of Leeds, focusing on the placement of buildings in an urban environment, ending at the Royal Armouries.
Evening	Meal with course participants and trip organisers

**Friday 16<sup>th</sup> May**

**Location:** Leeds

<b>Time</b>	<b>Activity</b>
09:20	Presentation by Anthony Smith on biogeotechnical Civil Engineering solutions  Opportunity to see Virtual Learning Environment, 'Toolwire' – a virtual learning package developed by the LSI  Summary of visit  Buffet
11:30	Coach transfer from Leeds to Manchester Airport
14:20	Return flight from Manchester Airport to Paris CDG
16:50	Arrival at Paris CDG