MAINLINE Training session
Use of the Life Cycle Assessment Tool (LCAT)

1st step: 11-12 June, SKM, London, UK
2nd step: 11-12 September, UIC, Paris, France
Use of the Life Cycle Assessment Tool (LCAT)

1st step: 11-12 June, SKM, London, UK
2nd step: 11-12 September, UIC, Paris, France

On behalf of Björn Paulsson, Coordinator of the EU railway project MAINLINE, UIC has the pleasure to invite you to attend a 2-step training session dedicated to the use of the prototype tool developed by the project, the Life Cycle Assessment Tool (LCAT).

This tool will evaluate whole life environmental and economic impact for maintenance and renewal activities of three assets – bridges, track and earthworks.

This 4-day training is divided into 2 steps: the first step will take place in London on 11-12 June (day 1 and 2) and the second step at UIC in Paris on 11-12 September 2014 (day 3 and 4).

MAINLINE stands for Maintenance, renewal and improvement of rail transport infrastructure to reduce economic and environmental impacts. The MAINLINE project has been initiated by UIC in order to develop methods and tools that will contribute to a more cost efficient and effective improvement of European railway infrastructure based on whole life considerations.

For more information about the project, please go to our website http://www.mainline-project.eu/What-s-new.html where you will find our brochure and a recent press release presenting the current technical progress (available in English, German and French).

Please note that this training is free of charge. However all participants need to cover their own costs for accommodation and travel. The detailed agenda and logistic details for both steps are available below.

For any further information, please contact mainline-lcat-registration@eurtd.com.
10:00 Welcome/coffee

10:30 Introduction to MAINLINE and presentation of delegates
Anders Carolin, Trafikverket

11:15 Outline of LCAT
Purpose, asset types, outputs, benchmark with existing tools
David Castlo, Network Rail

12:00 Lunch

13:00 Degradation analysis – Metallic bridges
Marios Chryssanthopoulos, University of Surrey

13:45 Degradation analysis – Cuttings
George Sotiropoulos, Leanne Coker, Sam Doe, SKM/Jacobs

14:30 Degradation analysis – Track
Peter Veit, TU Graz

15:15 Break

15:30 LCAT algorithms:
Whole-life cost, risk profile, environmental cost, possession cost

15:30 Introduction to LCATs, inputs/outputs
George Sotiropoulos, SKM/Jacobs

16:00 Environmental aspects of LCAT
Paulo Cruz, University of Minho

16:30 Model run through – Track
Ian Siviter, SKM/Jacobs

17:00 Model run through – Metallic bridges
George Sotiropoulos, SKM/Jacobs

17:30 Model run through – Cuttings
Leanne Coker, SKM/Jacobs

18:00 End of Day 1

18:30 Buffet reception at SKM
Day 2, 12 June, London

Venue: SKM/Jacobs, London

09:00 Repetition of day 1
David Castlo, Network Rail

09:30 LCAT tutorials – Metallic bridges
George Sotiropoulos, SKM/Jacobs, Poul Linneberg, COWI

10:15 Coffee Break

10:30 LCAT tutorials – Cuttings
Leanne Coker, George Sotiropoulos, SKM/Jacobs

11:15 LCAT tutorials – Track
Peter Veit, TU Graz
Ian Siviter, SKM/Jacobs

12:00 Lunch

13:00 Panel discussion
Simon Walters, Sam Luke, SKM/Jacobs

14:00 Presentation of homework
Anders Carolin, Trafikverket

14:30 Summary
David Castlo, Network Rail

15:00 End of Day 2

Venue: SKM/Jacobs, London

London Office:
New City Court, 20 St Thomas Street
London, SE1 9RS
Tel: +44 (0)20 7939 6100
Fax: +44 (0)20 7939 6103
Access:
London Bridge metro station
Jubilee and Northern lines

http://www.mainline-project.eu