

Sustainable transport and logistics training courses



Syllabus

Basics of freight transport and logistics emissions monitoring and reporting

Session 1	
Title	Why do we assess and report transport emissions
When	Tuesday, 1 March 2011, 15:00 – 16:30 CET*
Topics	<ul style="list-style-type: none">• What do we want to achieve with emissions monitoring, calculations and reporting• Introduction in the relationship between different objectives and most appropriate methodologies• Information requirements and availability• Work plan and different steps to achieve objectives• Presentation of two fictitious case study
Homework	<ul style="list-style-type: none">• Define and report own transport emission assessment objectives• Report what your organisation has been doing in the field of sustainable transport and logistics• Read two case studies

Session 2	
Title	Greenhouse gasses and other pollutants in freight transport and logistics
When	Friday, 4 March 2011, 15:00 – 16:30 CET*
Topics	<ul style="list-style-type: none">• Overview of major greenhouse gases in transport and logistics• CO₂ versus CO₂ equivalents• Overview of other pollutants• Specific aspects per transport mode• What are the major sources of GHG and pollutants in transport and logistics
Homework	No specific preparation required for this session

Session 3	
Title	Principles of emissions accounting and reporting
When	Tuesday, 8 March 2011, 15:00 – 16:30 CET*
Topics	<ul style="list-style-type: none">• Overview of major guidelines and protocols• Basic principles of emissions accounting and reporting, ISO 14064 and GHG protocols• Application of principles in transport and logistics
Homework	Application of protocols on case studies

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Session 4	
Title	Calculation tools and data sources
When	Friday, 11 March 2011, 15:00 - 16:30 CET*
Topics	<ul style="list-style-type: none"> • Overview of major transport emissions calculation, monitoring and reporting tools • Overview of major transport emission data sources • Differences between sources and tools
Homework	<ul style="list-style-type: none"> • Fictitious case studies follow up

Session 5	
Title	Transport emission calculations (1)
When	Tuesday, 15 March 2011, 15:00 – 16:30 CET*
Topics	<ul style="list-style-type: none"> • How to assess transport emissions • Emission calculations in road • Emission calculations in rail • Emission calculations in inland navigation
Homework	<ul style="list-style-type: none"> • Calculation exercises • Fictitious case studies follow up

Session 6	
Title	Transport emission calculations (2)
When	Friday, 18 March 2011, 15:00 – 16:30 CET*
Topics	<ul style="list-style-type: none"> • Emission calculation in maritime transport • Emission calculation in air transport • Emission calculation of other logistics activities • How to compare different modes and transport options • Transport emission inventories
Homework	<ul style="list-style-type: none"> • Calculation exercises • Fictitious case studies follow up

Session 7	
Title	Transport emission monitoring and reporting
When	Tuesday, 22 March 2011, 15:00 – 16:00 CET*
Topics	<ul style="list-style-type: none"> • Monitoring and reporting of transport emissions • Relationship with corporate emissions monitoring and reporting • M&R in the US EPA SmartWay and other voluntary programs • M&R for the aviation sector in the EU Emission Trading Scheme • Allocation of transport emissions to clients • Feedback on homework fictitious case studies
Homework	<ul style="list-style-type: none"> • Read two publications on allocation

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Session 8	
Title	How to improve the environmental performance of transport and logistics operations
When	Friday, 25 March 2011, 15:00 – 16:00 CET*
Topics	<ul style="list-style-type: none">• Transport avoidance• The impact of logistics and supply chain management• Fuels and clean technologies• Green procurement• Integrating environmental values into decision-making processes• Behaviour and company cultures• Legislation
Homework	<ul style="list-style-type: none">• Give your evaluation as well as recommendations

(*) The internet courses will always start at 15:00 CET and will end between 16:00 and 16:30 CET