

EINSTEIN II TRAINING

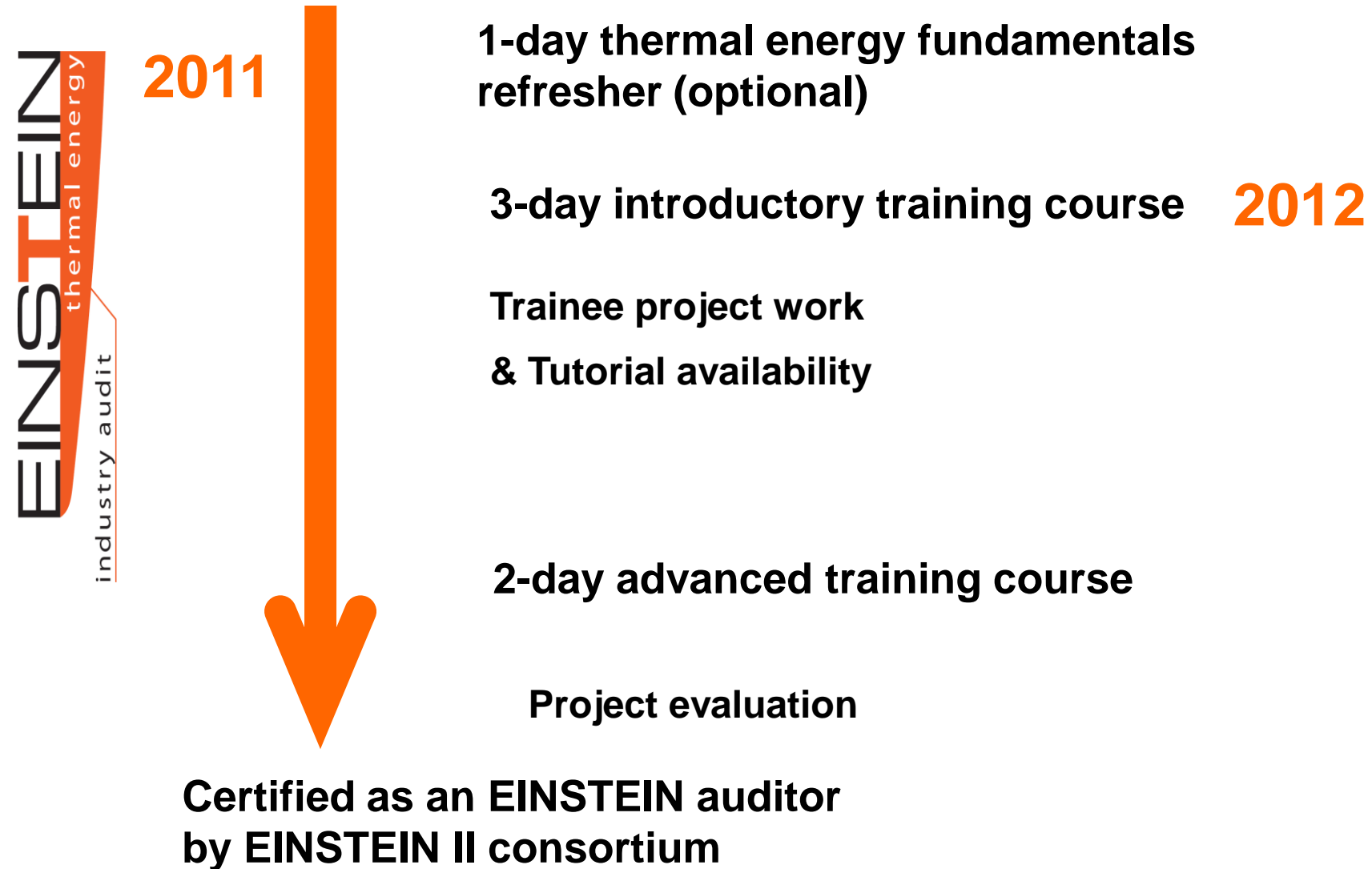
Eileen O'Leary
Clean Technology Centre
Cork Institute of Technology
Cork, Ireland



Institiúid Teicneolaíochta Chorcaí
Cork Institute of Technology

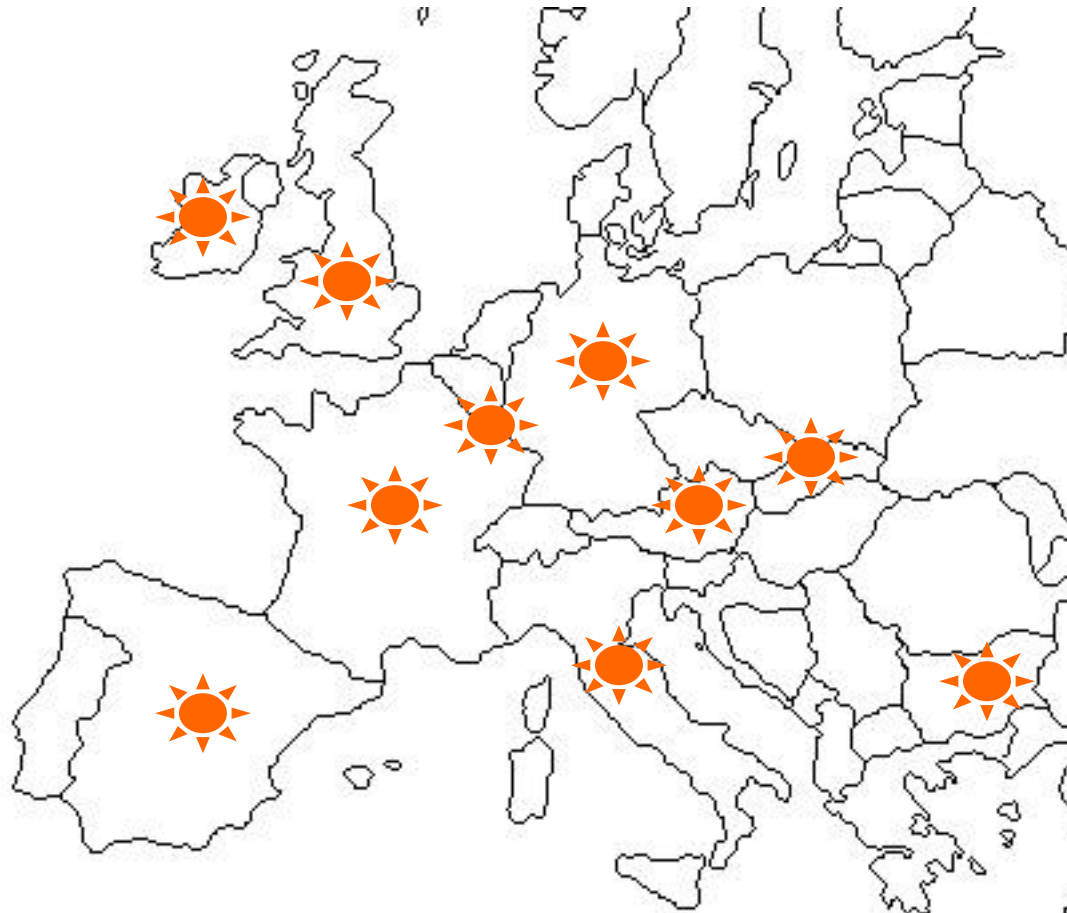


Overview of course structure



Training locations

Austria
Bulgaria
France
Germany
Ireland
Italy
Luxembourg
Slovakia
Spain
UK



Refresher day

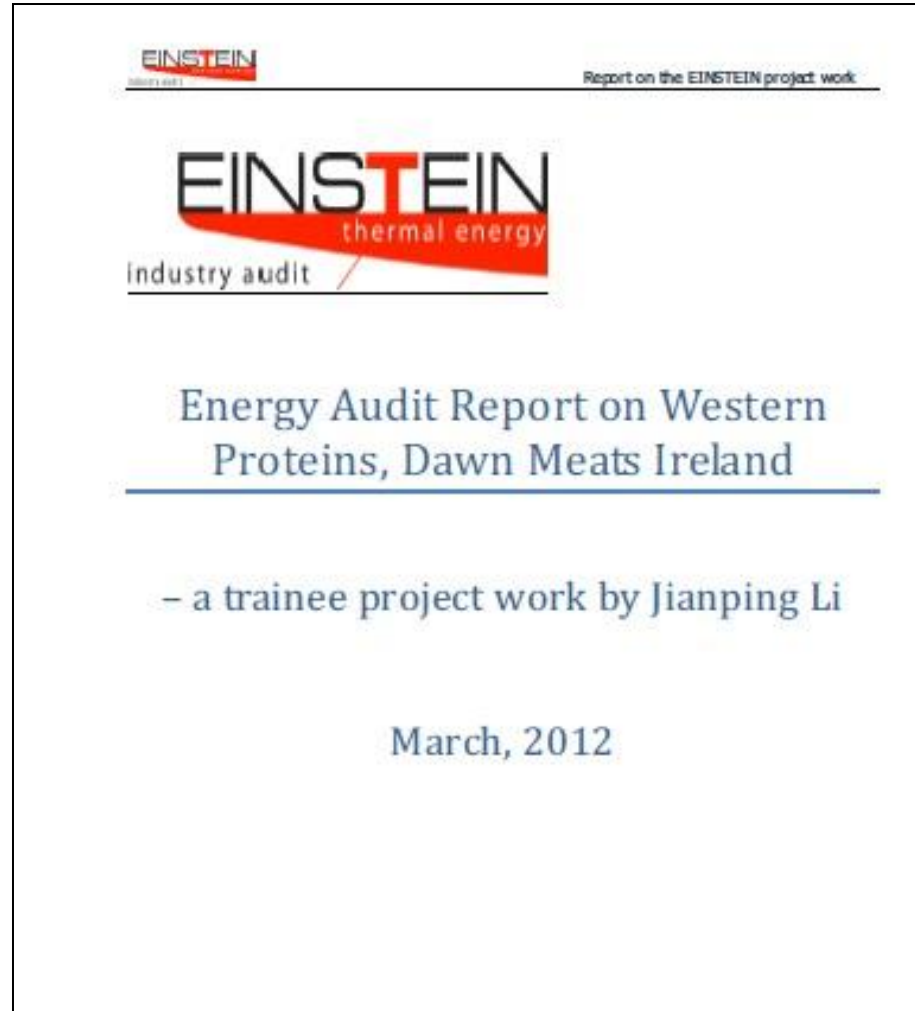
- Optional
- Local teacher
- A recap on thermal energy fundamentals:
 - Heat balances
 - Heat transfer
 - Steam
 - Humid air
 - Combustion & boilers

Intro 3-day course

- Going through EINSTEIN II audit procedure
- Concepts and definitions
- Worked examples
- Focus on “hands on” use of the tool
 - What data to obtain and how to input it
 - Showing the existing situation & consistency checking
 - Implementing improvements:
 - Optimising process to reduce energy demand
 - Incorporating heat recovery
 - Integrating renewable energy sources & efficient technologies

Project work

For example: heat recovery in a rendering plant



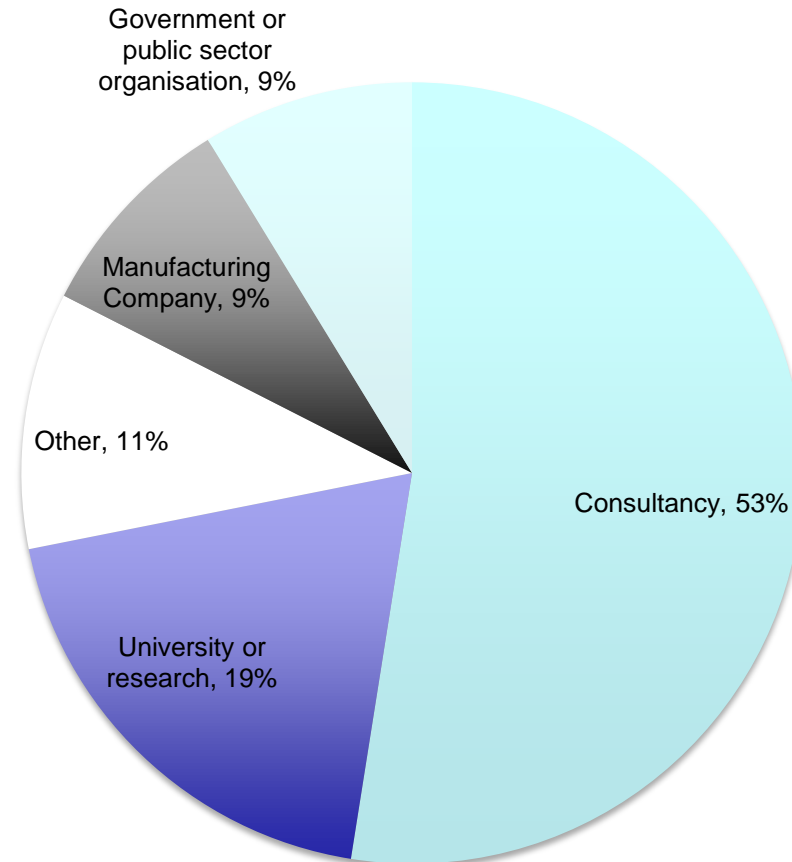
Advanced 2-day course

- Getting into detail for specific situations:
 - Modelling tricky things (e.g. humid air), deeper into buildings, cooling
- Again, focus on “hands on” use of the tool, including trainee experiences with project work



Trainees' Organisations

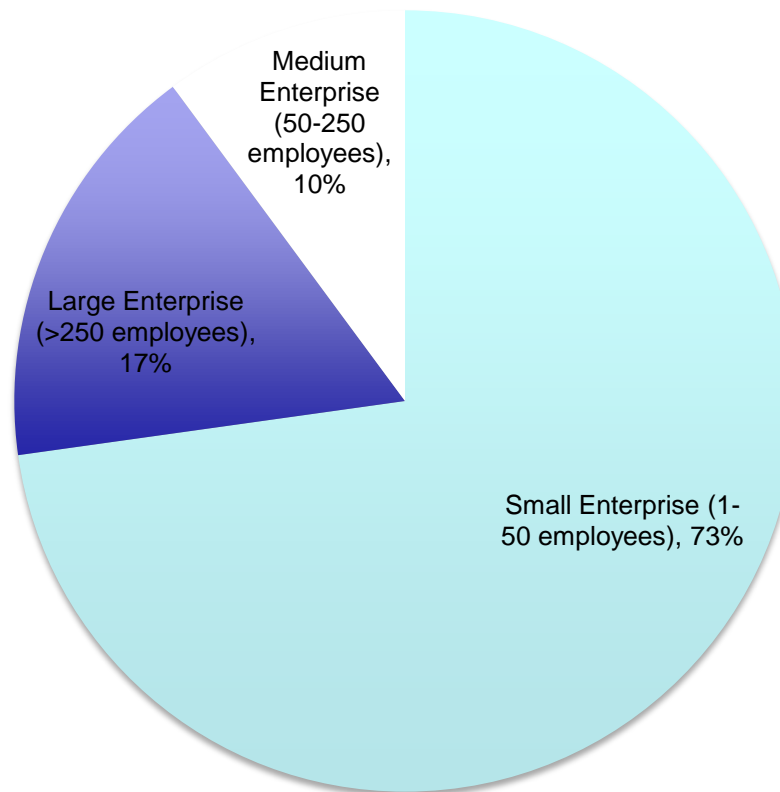
Introductory courses 2011





Trainees' Organisations

Introductory courses 2011

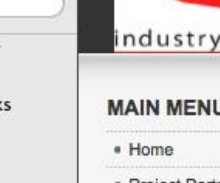



Numbers

- Introductory training **2011**:
194 trainees across 10 countries
- Advanced training, **2011**:
109 trainees across 10 countries
- Introductory training **2012**:
 - 2 held - France & UK – **30** trainees
 - 2 more planned – Spain in June
- EINSTEIN energy auditors:
8 certified; 2 pending certification

Certified auditors listed on website

www.einstein-energy.net/training-activities/auditorscertification

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- Project Partners
- Thermal Energy Audits
- Training Activities**
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- Trends Analysis Workshop

Auditors certification

Wednesday, 14 March 2012 09:33 administrator

Certification of EINSTEIN auditors

The energy auditors which have attended the EINSTEIN training courses (both, introductory and advanced) EINSTEIN methodology are entitled to obtain the EINSTEIN energy audit certification.

List of the trainees which achieved the EINSTEIN certification:

Country	Name	Surname	Company	Position in the company / Job title	Address/City
France	Aur�lie	Vuillermoz	EDF R&D	Research engineer on energy efficiency	Avenue des Renardi�res - Ecuelles / 77818 MORET SUR LOING
France	Benslimane	Anas	SUNVALOR	Manager	115 Allee Fantin Latour 38330 Montbonnot Saint Martin
Germany	Uwe	Dankert	dEEEE Consulting GmbH	Managing Director (CEO)	D-85540 Haar Sennesweg 7
Italy	Deborah	De Angelis	Arcoservizi S.p.A.	Responsabile Tecnico	Torino
Italy	Giacomo	Selmi	-	-	Ripa di Porta Ticinese 7, Milano
Spain/Africa	Marcos	Carrera Herrero	INERGIA	International Director	Madrid
Spain	Samuel	Casado	Geyca Energ�a	Project Manager Energy Efficiency Area	Calle Recondo S/N Jardines Estaci�n del Norte 47007 VALLADOLID

Future courses

- 3-day Introductory course:
 - Madrid 20 – 22 June 2012
 - Barcelona 26 – 28 June 2012

Keep a look out on:

www.einstein-energy.net/training-activities

