

NEW TABLE - IDENTIFICATION OF EXISTING TRAINING PRODUCTS IN THE FIELD OF SUSTAINABLE INNOVATION

SECTOR: General

NETHERLANDS

	Name of the product and url	Type of product (e.g. study programme, e-learning platform, guidebook)	Responsible organization and country	Key words	Target group(s), including learning level	Topics (contents)	Language(s)
1	Aquatiscche Ecotechnologie	Bachelors course	Hogeschool Zeeland, Netherlands	Aquatic Ecotechnology	Higher professional education	See key words	Dutch
2	Climate and Environment	Bachelors course	Haagse Hogeschool	General sustainability course	Higher professional education	See key words	Dutch
3	Landscape & Environmental management	Bachelors course	InHolland, Delft campus	See title	Higher professional education	See title	Dutch
4	Milieukunde (Environmental sciences)	Bachelors course	Hogeschool van Utrecht	General environmental sciences course	Higher professional education	See title	Dutch
5	Milieukunde (Environmental sciences)	Bachelors course	Saxion Hogeschool, Deventer	See title	Higher professional education	See title	Dutch
6	ACT – Making corporate responsibility work	Minor	Hogeschool van Amsterdam	See title	Higher professional education	See title	Dutch
7	Corporate social responsibility en duurzaamheid	Minor	Hanze Hogeschool, Groningen	See title	Higher professional education	See title	Dutch
8	Development co-operation	Minor	Haagse	See title, is	Higher	See title	Dutch



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			Hogeschool	about economic retarded countries	professional education		
9	Duurzame energievoorziening	Minor	Hogeschool Zuyd	Sustainable energy provision	Higher professional education	See title	Dutch
11	Energie en duurzaamheid	Minor	Hogeschool van Amsterdam	Energy and sustainability	Higher professional education	See title	Dutch
11	Network 'Duurzaam MBO' http://www.duurzaammbonl/dmbo/web/	Various educational packages	Network of professional education	Various topics, usually sustainability is embedded in mainstream education such as technology, health care, agriculture, economics.	Professional education	Various	Dutch



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PORTUGAL

	Name of the product and url	Type of product (e.g. study programme, e-learning platform, guidebook)	Responsible organization and country	Key words	Target group(s), including learning level	Topics (contents)	Language(s)
1	Energy Systems and Eco-efficiency http://www.ipa.univ.pt	Post-graduation course (60 ECTs)	Instituto Superior Autónomo de Estudos Politécnicos [Autonomous Institute of Polytechnic Studies] Portugal	<ul style="list-style-type: none"> • Energy production • Energy efficiency • Renewable energy • Energy audits • Energy management 	Technical engineers Mechanical engineers	<ul style="list-style-type: none"> • Energy policies • Combustion technologies • Energy management • Energy efficiency in industry • Energy production systems • Renewable energy resources • Energy audits • Project 	PT
2	Eco-efficiency www.bcsdportugal.org/	Workshop (6 hours)	BCSD Portugal and Ecoinside Portugal	<ul style="list-style-type: none"> • Eco-efficiency • Eco-innovation • Business integration 	Middle and top management from companies, such as building managers, production managers,	<ul style="list-style-type: none"> • The eco-efficiency concept • Business case • Life cycle analysis • Eco-innovation concept • Valorization of 	PT



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					marketers	subproducts <ul style="list-style-type: none"> Integration of eco-efficiency in business 	
3	Eco-efficiency www.apemeta.pt	Short course (36 hours)	APEMETA – Portuguese Association of Environmental Technologies Enterprises Portugal	<ul style="list-style-type: none"> Eco-efficiency Eco-efficiency audit 		<ul style="list-style-type: none"> The environmental question Eco-efficiency audits Data collection Monitoring equipments Data calculation and treatment Strategic planning Operational imagination Definition of intervention areas Case studies Environmental legislation Certification Certification instruments 	PT



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4	Technicians for eco-efficiency	Short course (31 hours)	Entre Douro e Vouga Business Council Entre Douro e Vouga Energy Agency Portugal	<ul style="list-style-type: none"> Eco-efficiency Energy efficiency Renewable energy 	Technical staff from business associations, technological centres, consultancies, parishes, municipalities and municipalities associations Technical staff involved in environmental and energy regulation and local and regional levels	Introduction to eco-efficiency <ul style="list-style-type: none"> Concept Sustainability indicators Quantifying and communicating eco-efficiency Fundamentals at macro level The policy agenda How to measure eco-efficiency at macro level National plans for eco-efficiency Eco-efficiency and development Eco-efficiency tools <ul style="list-style-type: none"> LCA Ecodesign Eco-innovation Industrial licensing	



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						Energy <ul style="list-style-type: none"> • The challenge • Energy sources • Units and conversions • Energy policy • Energy regulations • Energy certification of buildings • Renewable energies and case study 	
5	Eco-efficiency, waste, water and air	Short course (21 hours)	Entre Douro e Vouga Business Council Entre Douro e Vouga Energy Agency Portugal	<ul style="list-style-type: none"> • Eco-efficiency • Waste management • Water and wastewater treatment • Air pollution 	Technical staff from business associations, technological centres, consultancies, parishes, municipalities and municipalities associations Technical staff involved in environmental	Introduction to eco-efficiency <ul style="list-style-type: none"> • Concept • Sustainability indicators • Quantifying and communicating eco-efficiency • Fundamentals at macro level • The policy agenda • How to 	PT



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					and energy regulation and local and regional levels	measure eco-efficiency at macro level <ul style="list-style-type: none"> • National plans for eco-efficiency • Eco-efficiency and development • Tools Waste <ul style="list-style-type: none"> • Legislation • Urban waste collection • Urban waste treatment • Management of specific waste fluxes (WEEE, etc.) Water <ul style="list-style-type: none"> • Good practice in water management • Water and wastewater treatment • Legislation 	



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						Air <ul style="list-style-type: none"> Measures to reduce air emissions Monitoring Legislation 	
6	Eco-efficiency and sustainability http://opac.iefp.pt	Training kit (4 manuals, slides, 6 video tapes, 2 DVD, 9 CD-ROM for the trainers and the trainees)	IEFP – Institute of Employment and Vocational Training, Portugal	<ul style="list-style-type: none"> Eco-efficiency Sustainability Environmental management Sustainability reporting 	Post-secondary students with some professional experience and interest on the subject	<ul style="list-style-type: none"> What is eco-efficiency Eco-efficiency and sustainability The importance of eco-efficiency for companies Management systems and eco-benchmarking Eco-efficiency indicators Communicating eco-efficiency 	PT

BULGARIA

	Name of the product and url	Type of product (e.g. study programme, e-learning platform, guidebook)	Responsible organization	Key words	Target group(s), including learning level	Topics (contents)	Language(s)
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Lifelong Learning Programme

		programme, e-learning platform, guidebook)	and country		including learning level		
1	Ecology and sustainable development	Compulsory subject as part of the specialized professional training in the curriculum for: Professional division: Environmental protection Profession: Ecologist Specialty: Ecology and environmental protection	Technical secondary school	Ecology Sustainable development	Students 9-13 grade The subject is taught in 10 th grade 36 study hours – 1 term	Ecology Sustainable development	Bulgarian

CZECH REPUBLIC

	Name of the product and url	Type of product (e.g. study programme, e-learning platform, guidebook)	Responsible organization and country	Key words	Target group(s), including learning level	Topics (contents)	Language(s)



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1	<p>Manager of Sustainable Consumption and production (SCP) - Initial review of SCP potential</p> <p>http://sluzby.empress.cz/produkty/vstupni-hodnoceni-udrzitelne-spotreby-a-vyroby</p>	<p>accredited training course</p> <p>e-learning under preparation</p>	EMPRESS, CZ	sustainable consumption and production, innovations	consultants, environmental managers in enterprises	energy and material flows, cooperation with stakeholders, management systems, LCA	Czech
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POLAND

Name of the product and url	Type of product (e.g. study programme, e-learning platform, guidebook)	Responsible organization and country	Key words	Target group(s), including learning level	Topics (contents)	Language(s)
Ecoinnovation in Small and Medium-sized enterprises http://goo.gl/5sZGE	Guidebook	Polish Agency for Entrepreneurship Development, Warsaw, Poland	Sustainable innovation and SME	SMEs	Ecoinnovation as a chance for development, ecoinnovation in reorganisation of production processes, implementation of ecoinnovation in SMEs – recommendations,	Polish
Ecoinnovation in Poland http://goo.gl/PM3pM	Guidebook	Institute for Structural Research, Warsaw, Poland	Political support, barriers	Policy makers interested in topic	Sustainable innovation and political support, Recommendation how to overcome barriers	Polish
CSR. Strategy for responsible business	Postgraduate study programme	Akademia Leona Koźmińskiego, Warsaw, Poland	Sustainable management, Sustainable	Decision maker in companies, postgraduate study	Complete management technique to manage company/company parts in	Polish



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http://goo.gl/z3aVV			planning		sustainable way, innovative strategy to integrate social challenges, creativeness for sustainable development	
Foresight and strategic planning http://goo.gl/J2jcO	Postgraduate study programme	Collegium Civitas, Warsaw, Poland	Sustainable innovation and planning	Middle management of companies, postgraduate study	Planning and management of forward-looking activities, methods of planning strategically, forecast methods as a strategical reflection, Risk management, Management of group work	Polish
CREATING COMPETITIVE ADVANTAGE ON THE BASIS OF VALUES http://jot.nf.pl	Individual training for companies	JOTCONSULT, Jarosław Rubin	Sustainable business development, sustainable client management	Companies, training based fitting companies learning level	Individual organized based on building sustainable value creating	Polish

AUSTRIA

1 Postsecondary and Secondary Level II VET colleges and courses

1.1 Höhere Technische Lehranstalten (HTL)

In Austria most Postsecondary schools and colleges are run by state-owned institutions that also offer Secondary Level II education. Moreover they provide both full-time education and also training on-the-job. That's why the following overview of courses on eco efficiency contains both types. Since these institutions provide general education for at least 14 year old pupils no profound training on eco efficiency can be expected.

Name of Institution	Type	study	Work Load
TGM Vienna	VET-School	Renewable Energies	2-3 years
20 Schools and Colleges all over the country	Schools and Colleges	Electrical Engineering	3-5 Years

1.2 Wirtschaftsförderungsinstitut (WIFI)

WIFI is part of the Austrian Federal Economic Chamber and offers specific VET-courses at the Postsecondary and the Secondary Levels. There are sites all over the country.

Name of the course	Estimated ISCED-Level (not defined yet by WIFI)	Training hours	Content
Production integrated Environmental Protection	4A	8	I/O-Analysis, basics of Eco Efficiency, Eco design, LCA
Eco- energy manager (for Biomass, Solar or Heat Pump)	5B, with certificate	24-48	Heat recovery, power-heat cogeneration
European energy manager (EUREM)	5B, with certificate	126	



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Energy consultant	5B, with certificate	120	
Basics of energy efficiency for decision makers	4A	4	Background knowledge
Energy manager according to EN 16001	5B, with certificate	40	Energy efficiency
school for master craftspeople on energy (HVAC)	3B: Apprenticeship Training	304-469	

1.3 Berufsförderungsinstitut (BFI)

BFI is the largest Austrian VET-institution which is run by the Austrian Chamber of Labour (AK) and the Austrian Trade Union Federation (ÖGB). It can be found all over the country like the WIFI.

Name of the courses	Estimated ISCED-Level	Work load
Energy efficiency and renewable energy, energy manager EN16001	5B, with certificate	2 years
Eco energy engineer	3B: Apprenticeship Training	2 years

1.4 Best in Training (bit)

BIT is the largest private VET-institution in Austria, which has also expanded to 5 other European countries.

Name of the courses	Training hours	Content
ECOPROFIT Representative (ER)	64	Lead person according to ISO 14000
ECOPROFIT energy manager	64	
ECOPROFIT Assistant (EA)	40	Fundamental knowledge in waste management, energy and sustainability



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1.5 Styrian Energy Union (LandesEnergieVerein Stmk, LEV)

The Styrian Energy Union is a local ambassador of energy efficiency and renewable energies. They provide 2 programs to educate energy consultants.

Name of the courses	Training hours	Content
Course for Energy Consultants: Beginners	25h of e-learning 3 days of seminar	Issuing an Energy Performance Certificate, efficiency measures regarding HVAC.
Course for Energy Consultants: advanced learners	60h of e-learning 12 days of seminar	