

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

SECTOR: Building and construction

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	Eco-efficiency of building materials www.jornalarquitecturas.com	Short course (8 hours) The course awards 2 credits for architects to join their professional association	Jornal Arquitecturas Portugal	<ul style="list-style-type: none"> • Sustainability • Construction materials 	Architects Civil engineers	<ul style="list-style-type: none"> • Environmental challenges • Toxicity of building materials • Materials and reduction of energy consumption • Building and demolition waste • Reduction of environmental impacts of mortars and concrete • Trends in eco-efficiency of masonry • Vantages and disadvantages of earth construction 	PT



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						<ul style="list-style-type: none"> • Sustainability and durability • Nanomaterials and materials sustainability • Environmental impact assessment 	
2	Eco-efficiency file	Guidebook	Minho University	Eco-efficient materials	Architects Civil engineers	<ul style="list-style-type: none"> • Low carbon materials • More durable materials • Recycled materials • Recyclable materials • Renewable materials • Low energy materials • Non toxic materials/indoor air quality • Case studies • List of eco-efficient materials 	PT

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3	Eco-efficiency of the public space in Angola www.jornalarquitecturas.com	Short course (16 hours)	Jornal Arquitecturas Portugal	<ul style="list-style-type: none"> • Sustainable architecture • Sustainable urbanism 	Architects Engineers Urban planners	<ul style="list-style-type: none"> • Architecture, Urbanism and Sustainability • Energy Efficiency in Buildings and Public Spaces • Bioclimatic Architecture • Low Cost Sustainable Architecture • Sustainable Mobility • Urban Hygiene and Optimization of Costs in Waste Collection • Ecological Transformation of Landscape • Green Areas Management and Project 	PT
4	InEDIC – Innovation and ecodesign in the ceramic industry	Training manual and other on line	LNEG, Portugal Consortium with PT, ES and	<ul style="list-style-type: none"> • Ecodesign • Ceramic products 	Designers, environmental managers	<ul style="list-style-type: none"> • Intro to ecodesign • Ecodesign project 	EN, PT, ES, EL



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	www.inedic.net	resources (tools, case studies, databases). Support material for trainers.	GR partners		from companies Design students	step-by-step <ul style="list-style-type: none"> • Motivating factors • Innovation • Market analysis • Environmental analysis • Economic analysis • Ecodesign strategies • Ecobenchmarking • Creative thinking • EMS and ecodesign • Green marketing and communication • Design for sustainability 	

SPAIN

	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 efficiency in the building environmen	Blended learning: attendance + online (120hrs) Professional Certification	Usurbil IEFPS - SPAIN	Energy efficiency, building, renovation	Professionals of the building industry (as installers, builders, developers, property managers) and related industries	-Saving and Energy Efficiency Strategy. -Energy Efficiency in building envelope. -Energy efficiency in lighting installations and power consumption. -Energy Efficiency in ACS facilities.	Spanish
2	Electrical efficiency at home	Certification of professionalism Blended learning: attendance + online (12hrs)	Usurbil IEFPS - SPAIN	Electrical energy efficiency, home	Professional; installers, electrical repairs, lighting	Electrical efficiency at home	Spanish
3	Energy efficiency in heating and ACS in buildings	Certification of professionalism Blended learning: attendance + online (90hrs)	Usurbil IEFPS - SPAIN	Energy efficiency, heating, ACS	Professionals of the building industry (as installers, builders, developers, property managers) and related industries	-Saving and Energy Efficiency Strategy. -Energy Efficiency in ACS facilities.	Spanish
4	Energy efficiency in air conditioners in buildings	Certification of professionalism Blended learning: attendance + online (90hrs)	Usurbil IEFPS - SPAIN	Energy efficiency, ACS	Professionals: ACS installers, builders, engineers, architects, property managers.	-Saving and Energy Efficiency Strategy. -Energy Efficiency in ACS facilities. -Management and proposals for improvement.	Spanish
5	Energy efficient – indoor and outdoor lighting	Blended learning: attendance + online (60hrs) Professional Certification	Usurbil IEFPS - SPAIN	Energy efficiency, lighting	Professionals of the building industry (as installers, builders, developers, property managers) and related industries	-Saving and Energy Efficiency Strategy. -Energy Efficiency in indoors and outdoors lighting. -Management and proposals for improvement.	Spanish
6	Maintenance and improvement of	Certificate of professionalism	Usurbil IEFPS - SPAIN	Energy efficiency,	Professionals: installers, builders,	-Saving and Energy Efficiency Strategy.	Spanish



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	facilities in buildings	Blended learning: attendance + online (60hrs)		buildings, facilities	engineers, architects, property managers.	-Energy Efficiency in building facilities. -Maintenance. -Improvement.	
7	Building and energy efficiency in buildings	Certificate of professionalism e-learning platform (90hrs)	Usurbil IEFPS - SPAIN	Energy efficiency, buildings	Professionals: installers, builders, engineers, architects, property managers.	-Saving and Energy Efficiency Strategy. -Energy Efficiency in buildings. -Management and proposals for improvement.	Spanish
8	Building energy rating	Blended learning: attendance + online	Usurbil IEFPS - SPAIN				Spanish
9	Computer programs in energy efficiency in buildings	Blended learning: attendance + online	Usurbil IEFPS - SPAIN				Spanish
10	Efficient facilities of water supply and sanitation in buildings	Blended learning: attendance + online	Usurbil IEFPS - SPAIN				Spanish
11	Efficient maintenance of the facilities of water supply and sanitation in buildings	Blended learning: attendance + online	Usurbil IEFPS - SPAIN				Spanish
12	Promoting efficient energy use	Certification of professionalism Blended learning: attendance + online	Usurbil IEFPS - SPAIN				Spanish
13	Determination of solar potential	e-learning platform	Usurbil IEFPS - SPAIN				Spanish
14	Energy needs and proposals of solar	Blended learning: attendance + online	Usurbil IEFPS - SPAIN				Spanish

BULGARIA

	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	Sanation	Compulsory	Technical	Sanation	Students 9-13	Sanation of	Bulgarian



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	(renovation) of buildings and facilities	subject as part of the specialized professional training in the curriculum for: Professional division: Construction and geodesy Profession: Construction technician Specialty: Construction and architecture	secondary school	Energy sanitation Isolation systems	grade The subject is taught in 13 th grade 62 study hours – 1-st and 2-nd term	buildings, including energy sanitation of buildings Sanation of facilities Isolation systems Sanation and restoration of monuments of culture	
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CZECH REPUBLIC

	Name of the product and url	Type of product (e.g. study)	Responsible organization	Key words	Target group(s), including	Topics (contents)	Language(s)
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		programme, e-learning platform, guidebook)	and country		learning level		
1	Impact assessment of constructions, activities and land-use changes on landscape character http://www.krajinyraz.cz	life-long learning course	Czech Technical University – Faculty of Civil Engineering	land use, land-use planning, landscape, brownfields, greenfields, impact assessment	low-, middle-management		Czech
2	Life-long learning programme of Czech Chamber of Authorized Engineers and Technicians http://www.ckait.cz/celozivotni-vzdelavani http://www.ckait.cz/staveduk-search	life-long learning programme	Czech Chamber of Authorized Engineers and Technicians, CZ		engineers, technicians, architects	construction and buildings related courses, including environmental related (e.g. green buildings, renewable sources, etc.)	Czech

GREECE

	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	VOCATIONAL EDUCATIONAL COURSE dynamiki@lar.forthnet.gr	STUDY PROGRAMME	Κ.Ε.Κ. ΔΥΝΑΜΙΚΗ	TECHNICIANS ON ECO BUILDING	UNEMPLOYED ADULTS		GREEK
2	VOCATIONAL EDUCATIONAL COURSE info@interface.gr	STUDY PROGRAMME	ΣΥΓΧΡΟΝΕΣ ΕΚΠΑΙΔΕΥΤΙΚΕΣ ΥΠΗΡΕΣΙΕΣ Α.Ε.	REHABILITATION OF OLD BUILDINGS TECHNICIAN	UNEMPLOYED ADULTS		GREEK

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)
Conditions and realization process of effective thermal	e-learning platform	Center for technology transfer and	Sustainable building, thermal insulation	All companies interested in topic	Instruction in topic thermal insulation, Pluses of thermal	Polish



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insulation of buildings http://goo.gl/8Ndm0		entrepreneurship development, Warsaw, Poland			insulation	
Partnership during all stages of a sustainable building lif cycle http://goo.gl/WBKvT	Workshop cycle	RD bud sp. z o.o., Warsaw, Poland	Sustainable construction, cluster	Construction companies interested in sustainable processes	Sustainable planning, sustainable design, sustainable law, financing sustainable construction projects	Polish