



IO1: Design and development of the e-Platform with e-training resources and 12 case studies. Task: Case study Template

1) Case study template: Vocational Training Programme

<i>Partner Name</i>		<i>Case Study Number</i>
<i>Case Study Title Vocational Training programme title</i>	Resource Efficiency in tourism sector	
<i>Field</i>	Sustainability in Tourism	
<i>Short description of training programme (duration, aim, objectives, target group, EQF level)</i>	Target group: the training program is addressing technical managers, maintenance engineers, housekeeping, restaurant&bar managers from hotels and consultant willing to provide services to hotels. The training is organised in five modules, The duration is 6 days	
<i>Mode of delivery (online, F2F, platform etc.)</i>	Face to face, combining teaching, presentation of case studies and group exercising.	
<i>Assessment method used (i.e. questionnaire, project work, practical evaluation etc.)</i>	Questionnaires and Practical work	
<i>List of modules and subunits of programme</i>	<p>Training content: Resource Efficiency and Cleaner Production (RECP) applicable in hospitality industry</p> <p>Module 1: Understanding the concept of resource efficiency and cleaner production</p> <ul style="list-style-type: none"> ▪ The concept of resource efficiency and Cleaner Production - lessons learned from case studies ▪ Definition of Resource Efficiency and Cleaner Production, main steps of the RECP methodology ▪ Resource Efficiency and Cleaner Production and the relationship with similar concepts ▪ Barriers to Resource Efficiency and Cleaner Production ▪ Integration of Resource Efficiency and Cleaner Production in the concept of sustainability <p>Module 2: Planning and organizing & pre-evaluation</p> <ul style="list-style-type: none"> ▪ Organizing the RECP Team ▪ Defining the RECP audit focus ▪ Running a RECP audit ▪ Inputs / outputs flow diagram and material balance ▪ Define key performance indicators, benchmarking 	





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	<p>Module 3: Generating and evaluating options, feasibility analysis</p> <ul style="list-style-type: none"> ▪ Analysis of causes ▪ The principles of clean production ▪ Generating and pre-evaluating options ▪ Technical, economic and environmental evaluation of the CP options <p>Module 4: Thematic Modules</p> <ul style="list-style-type: none"> ▪ Water efficiency: problems related to water consumption, water efficiency techniques and benefits, water saving programs, best practices ▪ Energy efficiency: problems related to energy consumption, energy efficiency techniques and benefits (heating/cooling systems, compressed air, pumps and ventilation systems), examples of best practices ▪ Hazardous chemicals: chemicals safety: MSDS, storage, labeling ; green procurement ▪ Waste: waste assessment, waste logistics, waste streams, potential for waste reduction; examples of best practices <p>Module 5: Implementation and beyond</p> <ul style="list-style-type: none"> ▪ Environmental policy ▪ Preparation of an implementation plan ▪ Reporting and supporting RECP ▪ Legislation and standards: ROHS, WEEE, Waste Directive, Kyoto Protocol, ISO 14001 Standard, etc
<p><i>Elaborate on information provided for:</i></p> <ul style="list-style-type: none"> - waste management, - waste minimisation - circular economy - resource management - etc. 	<p>The training programme provides the methods for the assessment of materials, energy and water consumption and waste and pollution generation at the hotel level. The next step is the performance of a cause analysis, for identifying the loss of materials, water and energy and the causes for the loss, followed by a brainstorming process for the identification of measures for materials, water, energy reduction. The environmental and economic feasibility of such measures are calculated, the feasible measures are then gathered in an action plan and proposed to implementation. The results obtained after the implementation of the resource efficiency measures refer to reduced consumption of materials, water and energy, minimisation of waste and pollution into the air and water, minimisation of waste and better waste management. The programmes are stimulating staff involvement, creative thinking and innovation, and if applied continuously and included in the existing management system can bring great achievements in the resource efficiency and environmental performance of the hotel.</p>





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<i>Case studies used, if any</i>	We had many demonstration projects of the application of the resource efficiency methods in hotels, so many case studies of the results obtained exist.
<i>Is this training programme innovative? If yes, how?</i>	Yes, the programme sets the foundation for the practical application of the method and methodologies in hotels, by providing clear steps and by involving the hotels staff in the process, with the purpose of identifying measures for optimisation of resource consumption (energy, water, materials, chemicals), waste and pollution reduction and cost reduction.
<i>Which technologies are used in, if any?</i>	No special technologies
<i>Source/Reference</i>	https://www.unido.org/our-focus-safeguarding-environment-resource-efficient-and-low-carbon-industrial-production/resource-efficient-and-cleaner-production-recp
<i>Website</i>	http://cnpd.ro/proiecte-realizate/proiect/productie-curata-si-responsabilitate-sociala-sectorul-turismului
<i>Other</i>	

