

<b>Project number</b>	2010-1-GR1-ERA10-04403
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]
<b>Title</b>	Light
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2009
<b>Subject area code</b>	
<b>Description</b>	<p>Objectives: The I.P. "LIGHT" brings a strong innovation in Science Education by communicating</p> <p>the ways children are educated in the scientific topic of "Light" in a scientific museum or centre or</p> <p>laboratory, based on the philosophy of the "hundred skills", regarding the multiple communicative</p> <p>and elaborative capabilities of the children. The program presents a strong multidisciplinary</p> <p>approach of different HEI departments on Cultural Studies of Science Education and brings a high</p> <p>contribution to the area of sustainability, as the new dimension of the renewal IP. All participating</p> <p>universities guarantee an integrated approach to the issue of LIGHT. 1) University of Naples is</p> <p>expertise in outdoors science education in the unique scientific centre of Italy "Città della Scienza".</p> <p>2) University of Ioannina does scientific research on using cultural-historical-activity theory (CHAT)</p> <p>as a tool for Science Education in the context of Sustainability. 3) University of Eindhoven is</p> <p>addressing dynamics in improving science education for sustainable development. 4) University of</p> <p>Cyprus is expertise in psychological approach on science education. 5) University of Minho is</p> <p>expertise in Biology Education and school science textbooks. 6) Linnaeus University is used the</p> <p>concept of social sustainability in science education 7) Dublin City University is expertise to Science</p> <p>and Mathematics Teaching and Learning. The IP "LIGHT" will promote further teaching of the topic</p> <p>of "Light" in undergraduate courses and will promote discussion in Nations facing new approaches</p> <p>in science education towards the culture, the environment and the society. Target groups: Early</p> <p>Childhood and Primary School Teacher students. The IP will be also open to Science Teachers</p> <p>(Physics, Chemistry, Mathematics, Biology, etc.). It ties to the existent undergraduate</p>

	<p>programs as</p> <p>a free choice course providing 5 ECTS. The IP renewal (2010-2011) may involve more master</p> <p>students towards a perspective of a curriculum development. Main activities: For 2 weeks, 6-7</p> <p>Students and 2 Teachers from each University will participate to: workshops; field work; interactive</p> <p>activities; simulated cases discussions; multidisciplinary approaches of “hundred skills” on most</p> <p>relevant case-studies; round-table and plenary discussions; lectures from Teachers and</p> <p>Professionals involved in the relevant field; quality evaluation of all activities. Expected outputs:</p> <p>The innovative curriculum with the connection between Light and Sustainability will be uploaded on</p> <p>the website <a href="http://erasmus-ip.uoi.gr/">http://erasmus-ip.uoi.gr/</a>. The interactive website will be used to disseminate the</p> <p>results of the IP. A CD/DVD with the IP content will be widely distributed. In due time, the students</p> <p>involved in the teaching and other professions will disseminate the results among colleagues and</p> <p>other students.</p>
<b>Coordinator</b>	Panepistimio Ioanninon G IOANNIN 01
<b>Contact person</b>	<p>Katerina Plakitsi</p> <p>Address: Dept. of Pre-School Education, University Campus, Dourouti</p> <p>Post code - City: 45110 Ioannina</p> <p>Country: GR-GREECE</p> <p>Phone: +302651095771 +302651049357</p> <p>Email: <a href="mailto:kplakits@cc.uoi.gr">kplakits@cc.uoi.gr</a></p> <p>Web site:</p>
<b>Partners</b>	<p>CY NICOSIA01 Panepistimio Kyprou - CY</p> <p>I FIRENZE 01 UNIVERSITA' DEGLI STUDI DI NAPOLI FEDERICO II - IT</p> <p>IRL DUBLIN 04 DUBLIN CITY UNIVERSITY - IE</p> <p>NL EINDHOV 17 TECHNISCHE UNIVERSITEIT EINDHOVEN - NL</p> <p>P BRAGA01 Universidade do Minho - PT</p> <p>S KALMAR01 LINNEUNIVERSITETET - SE</p>
<b>LLP Grant</b>	57.400,52 €
<b>Planned number of students</b>	54
<b>Working language</b>	...
<b>Activity duration - Location</b>	<p>Activity duration (in days): 10</p> <p>Location: University of Ioannina</p>

<b>Project number</b>	2010-1-GR1-ERA10-04401
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]
<b>Title</b>	Conservation Biology in Europe: building a coherent strategy for the future
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2009
<b>Subject area code</b>	
<b>Description</b>	<p>The project "Conservation Biology in Europe: building a coherent strategy for the future" is an intensive two-week programme in the field of natural environment and wildlife conservation. University professors from six University Departments in Greece, Denmark, Germany, Italy and UK will combine their expertise to offer a high quality multidisciplinary programme to 15 senior undergraduate students in the rapidly evolving field of conservation biology.</p> <p>The program (100h) accounts for 7 ECTS. It includes a theoretical module of lectures (24h) and seminars (8h). The module will offer participants a wide spectrum of knowledge that will be also enriched with concrete European paradigms on the most up-to-date environmental issues such as biodiversity loss, GMOs, climate change, eco-services, biodiversity assessment and methods for nature conservation in practice. The module will also integrate the socio-economic and policy dimension in conservation science, directly linking science with European environmental policies. Lectures will be presented in an interactive way using multimedia, and seminars will consist in open discussions and student debates on current environmental issues. The practical module comprises of computer laboratories (8h) and field sessions (35h). These will familiarize students with data analysis and offer them a high-standard of practical field training in situ. The field session will be held in the core area of the Pindos National Park, the largest mountainous Park of Greece and will include a two day mountaineering excursion in the alpine ecosystem (2500m).</p> <p>The intensive programme aims to educate future conservation professionals in a versatile way: gaining field experience and acquiring a deep and multidisciplinary knowledge background on biodiversity conservation. In addition students will further develop personal skills such as team-working, networking and decision making skills required in their demanding professional life. All teaching and supportive material will be compiled in CD form. Students will have to produce reports, accomplish projects and present a written exam. The IP web page will be the main tool for disseminating information and communicating with participants.</p>
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<b>Partners</b>	<p>D STUTTGA02 Universität Hohenheim - DE  DK ARHUS 01 Aarhus Universitet - DK  I MILANO16 Università degli Studi di Milano-Bicocca - IT  UK LANCAST02 University of Cumbria - GB</p>
<b>LLP Grant</b>	28.210,50 €

<b>Planned number of students</b>	15
<b>Working language</b>	...
<b>Activity duration - Location</b>	Activity duration (in days): 10 Location: Papingo

<b>Project number</b>	2010-1-GR1-ERA10-04411
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]
<b>Title</b>	Innovative technologies in media production - Future Developments and Trends
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2009
<b>Subject area code</b>	
<b>Description</b>	<p>The MEDIAPRO-IP course concerns the graphic arts and media technology field and it has as principal objective to offer innovative and added value knowledge, in rapidly evolving scientific and technological fields of this area. It concerns the new structure of the media industry as it is formed by various developments in design, management and technology, which are already developing and indicate the future structure of the media industry.</p> <p>Furthermore, the second relevant objective of the MEDIAPRO-IP (to improve the quality and to increase the volume of multilateral cooperation between higher education institutions in Europe structure and the participating HEIs'), is fulfilled by the structure of the course, the participation of lecturers and the transnational cooperation among the Institutes of the particular scientific and technological field in the four participating EU countries.</p> <p>The project aims to further contribute to the establishment of a common platform among HEIs operating within the graphic arts and media field in Europe. This cooperation can be reached with the IP programs of learning structures for the rapidly evolving scientific and technological fields of graphic arts and media technologies. Emphasis is given in new evolving learning fields such as premedia, innovative print management, printed electronics and sustainability for the graphic arts and media sector.</p> <p>The target group of the course are undergraduate (first cycle - BA) students, being at the stage of their diploma project and postgraduate (second cycle – MA) students that study Graphic arts and Media technology at the participating HEIs. Each Institute will select its students through a call and personal interview with the students interested and registered to attend the course.</p> <p>Main activities include the concrete cooperation of the graphic arts and media Institutes and their participation in meetings, conferences and other events (e.g. The International Circle of graphic arts Universities, the EGIN network and exchanges within the Erasmus programme). The experience of international cooperation of all project partners is long-established within these structures. The initial content of the present proposal has been discussed and agreed upon.</p> <p>results include the formation of common understanding of innovative fields which can be introduced in the regular education programmes of the participating HEIs, the expanding of such modules in other graphic arts and media Institutes around Europe and the wide dissemination of the IP s and the Erasmus programme in the education, research and industry society of the media sector.</p>
<b>Coordinator</b>	ELLINIKO ANOIKTO PANEPISTHMIO G PATRA 05
<b>Contact person</b>	<p>Dimitrios Zevgolis  Address: Tsamadou 29str &amp; Riga Feraiou str  Post code - City: 26222 Patras  Country: GR-GREECE  Phone: +302610 367471  Email: zevgolis@eap.gr  Web site:</p>
<b>Partners</b>	<p>ROYAL INSTITUTE OF TECHNOLOGY (KTH) - SE  D BERLIN04 Beuth University of Applied Sciences - Berlin - DE  G ATHINE34 Technologiko Ekpaideutiko Idrima –TEI Athinas - GR  HR ZAGREB01 FACULTY OF GRAPHIC ARTS, UNIVERSITY OF ZAGREB - HR  SF- HELSINK 41 Helsinki Metropolia University of Applied Sciences - FI</p>
<b>LLP Grant</b>	27.286,00 €

<b>Planned number of students</b>	28				
<b>Working language</b>	...				
<b>Activity duration - Location</b>	<table> <tr> <td>Activity duration (in days): 10</td> <td>Activity duration (in days): N/A</td> </tr> <tr> <td>Location: Berlin</td> <td>Location: N/A</td> </tr> </table>	Activity duration (in days): 10	Activity duration (in days): N/A	Location: Berlin	Location: N/A
Activity duration (in days): 10	Activity duration (in days): N/A				
Location: Berlin	Location: N/A				

<b>Project number</b>	2010-1-GR1-ERA10-04393	
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]	
<b>Title</b>	Powering the Future with Zero Emission and Human Powered Vehicles	
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2010	
<b>Subject area code</b>	421 - Biology and biochemistry 521 - Mechanics and metal work 523 - Electronics and automation 525 - Motor vehicles, ships and aircraft 851 - Environmental protection technology	
<b>Description</b>	<p>Zero Emission Vehicles and Supporting Technology are some of the challenges Europe is facing nowadays. The primary purpose of this IP is to bring the academic and industrial communities together to discuss with and report to undergraduate students the most recent developments concerning Zero Emission Vehicles and their Supporting Technology. Aiming towards this direction, partners leading in the field of low and zero emission vehicles and alternative drive systems, with experienced research teams, integrate in this consortium. The multidisciplinary scientific character of the partners involved in this project guarantees that this IP will have a strong multidisciplinary approach, as it will focus distinct intakes from different scientific fields for the same theme. To the purpose of meeting the goals proposed for this IP, the consortium will develop a joint program to be presented and laboured during ten working days. The main foresaw activities are: theoretical and laboratory courses on zero emission vehicles and alternative drivesystems, workshops, visits to laboratories, automotive relevant companies and research institutes. Students participating in the IP will have to work in multidisciplinary groups in order to design a realistic ZEV prototype that will meet predefined specifications. The designs of each group will be presented at the IP. Cultural activities will also be a significant part of the IP as to promote the European culture and citizenship.</p>	
<b>Coordinator</b>	Alexander Technological Educational Institute of Thessaloniki G THESSAL 12	
<b>Contact person</b>	<p>Theodoros Kosmanis  Address: Alexander Technological Educational Institute of Thessaloniki – P. O. Box 141  Post code - City: Sindos, Thessaloniki 57400  Country: GR-GREECE  Phone: 0030 2310 791598  Email: kosmanis@vt.teithe.gr  Web site:</p>	
<b>Partners</b>	<p>B ANTEWERP 59 Katholieke Hogeschool Antwerpen Karel de Grote - BE  BG ROUSSE 01 University of Rousse - BE  D KOLN 04 Fachhochschule Köln - DE  E BARCELO 03 Escola Universitària D'enginyeria Tècnica Industrial de Terrassa – Universitat Politècnica de Catalunya - ES  LT KAUNAS02 Kauno Technologijos Universitetas Panavėžio Institutas - LT  P PORTO 05 Instituto Superior de Engenharia do Porto - PT  PL RADOM01 Kasimir Pulaski Technical University of Radom - PL  SF TURKU 05 Turun ammattikorkeakoulu - FI  UK BRADFORD01 School of Engineering, Design and Technology, University of Bradford - GB</p>	
<b>LLP Grant</b>	60.701,00 €	
<b>Planned number of students</b>	60	
<b>Working language</b>	...	
<b>Activity duration - Location</b>	Activity duration (in days): 14 Location: Thessaloniki	Activity duration (in days): N/A Location: N/A

<b>Project number</b>	2010-1-GR1-ERA10-04391
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]
<b>Title</b>	Introduction to Charged Particle Optics: Theory and Simulation
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2010
<b>Subject area code</b>	441 - Physics 442 - Chemistry 482 - Computer use
<b>Description</b>	<p>Objectives: This ERASMUS IP presents an innovative intensive Charged Particle Optics (CPO) course. Traditional theoretical CPO concepts are presented, explored, verified and analysed by carefully pre-designed simulation modules utilizing existing and readily available CPO software packages such as SIMION. These modules, which the students will put together with a minimum of effort during specialized laboratory sessions, will be prepared and closely matched to the theoretical lectures by the organizers. Useful and practical examples particularly amenable to such an educational approach are various components of CPO laboratory instrumentation such as electrostatic lenses, electron spectrometers, and time-of-flight and imaging devices. The course will explore their operation principles, performance characteristics and limitations.</p> <p>Target groups: The IP invites the participation of Masters and PhD science students interested in the design or use of CPO devices to meet their research objectives and expand their theoretical understanding of CPO as well as their practical knowledge in the use of SIMION and other numerical simulation and analysis software programs. Advanced undergraduate students with some expertise in PC usage can also apply. Participating students will be evaluated on their performance in the IP at the end of the course. 6 ECTS units will be officially recognized with special University of Crete diploma.</p> <p>Main Activities: The course will be organized along the lines of a two-week intensive summer school with theory lectures in the morning and PC laboratory exercises and simulations in the afternoon. A lunch break will separate the two parts each day. Weekend activities will include</p>

	<p>organized outings to cultural sites, excursions and beach activities.</p> <p>Expected Output: After completion of the IP the lectures and computer modules will be edited</p> <p>into official notes and distributed amongst the partners for use at their local institutions. A possible</p> <p>book is also envisioned.</p>
<b>Coordinator</b>	PANEPISTIMIO KRITIS G KRITIS01
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<b>Partners</b>	<p>A WIEN02 TECHNISCHE UNIVERSITAT WIEN - AT  E MADRID03 MAUCM Universidad Complutence de Madrid - ES  G IOANNIN 01 Panepistimio Ioanninon - GR  TR AFYON01 AFYON KOCATEPE UNIVERSITI - TR  TR KONYA01 SELCUK UNIVERSITY - TR</p>
<b>LLP Grant</b>	34.452,00 €
<b>Planned number of students</b>	20
<b>Working language</b>	...
<b>Activity duration - Location</b>	<p>Activity duration (in days): 14  Location: heraklio crete</p>

<b>Project number</b>	2010-1-GR1-ERA10-04409
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]
<b>Title</b>	People and Space in the Borderland of Western Macedonia: tracing historical, social and intercultural features
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2009
<b>Subject area code</b>	
<b>Description</b>	<p>The IP People and Space in Western Macedonia: tracing historical, social and intercultural features (P.S.BoWMa) is a project of situated learning for student teachers, focusing on an 'exploration' of the natural and person-made environment in the borderland of Western Macedonia, Greece. It will be developed by three Departments of the University of Western Macedonia located in Florina, 200 km north-west of Thessaloniki, during the period 27 June - 8 July 2011. Aiming at supplying content as well as procedural knowledge to the participants, the project will include seminars, workshops and experiential, first-hand inquiry activities.</p> <p>The IP will have three sub-thematics: ecology, cultural geography, history. The students will work in all three of these thematics achieving in that way a wide knowledge of the area. They will also learn how to develop educational methods related to these thematics.</p> <p>Guided by both social scientists and artists, the participants will not only map the region's physical characteristics but also trace features concerning the local history, the social structure and the cultural identity of the area. Thematic approaches focusing on concepts such as borders, memories, social semiotics or local art will integrate the various educational procedures. This will allow for an examination of longitudinal and intercultural elements within the contemporary social context to be examined in depth. The participants will be invited to decode particular elements that characterise the area interpret and re-code them by creating their own artefacts through the use of language and image systems, as well as new technologies. In addition, the course will enable participants not only to record but to experience the surrounding landscape. This will comprise lectures, workshops, and a three-day expedition exploring the area (involving camping out), including a reflection procedure and an exhibition of student-created texts.</p> <p>Also, in the last days of the programme participants will be asked to transform the knowledge they have acquired into educational material for a small-scale elementary-school level cultural studies project. The latter will include educational activities and resources focusing on concepts and themes that the participants explored themselves during the programme. The whole outcome of the IP with the overall results of participants' experiential approaches and artefacts will be organized into a web page and uploaded on the Internet.</p>
<b>Coordinator</b>	University of Western Macedonia, Greece G KOZANI02
<b>Contact person</b>	Ioannis Ziogas Address: 3rd km Florina - Niki Post code - City: 53100 Florina Country: GR-GREECE Phone: +3023850 55240 Email: ziogas@yannisziogas.com Web site:
<b>Partners</b>	CY LIMASSO02 Cyprus University of Technology - CY NL LEEUWAR01 NOORDELDIJKE HOGESCHOOL LEEUWARDEN - NL
<b>LLP Grant</b>	21.857,00 €

<b>Planned number of students</b>	30				
<b>Working language</b>	...				
<b>Activity duration - Location</b>	<table border="0"> <tr> <td>Activity duration (in days): 10</td> <td>Activity duration (in days): N/A</td> </tr> <tr> <td>Location: Florina</td> <td>Location: N/A</td> </tr> </table>	Activity duration (in days): 10	Activity duration (in days): N/A	Location: Florina	Location: N/A
Activity duration (in days): 10	Activity duration (in days): N/A				
Location: Florina	Location: N/A				

<b>Project number</b>	2010-1-GR1-ERA10-04395
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]
<b>Title</b>	From Sound to Ultrasound: Multimedia based Pediatric Cardiology IP
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2010
<b>Subject area code</b>	482 - Computer use 721 - Medicine 725 - Medical diagnostic and treatment technology
<b>Description</b>	<p>From Sound to Ultrasound: Multimedia based Pediatric Cardiology</p> <p>IP Objectives: To establish and validate a multimedia-based pediatric cardiology teaching course, with a stepwise presentation of basic principles of clinical evaluation (sound: “virtual” cardiac auscultation - digital phonocardiography) up to the final diagnostic tools (ultrasound: echocardiographic principles and associated findings). The teaching course is based on: a) interactive teaching b) “virtual” evaluation of pediatric cardiology cases based on high quality reproduction of cardiac sounds c) detailed presentation of associated echocardiographic findings d) brief presentation of the natural course, genetic background, treatment options following the initial clinical (sound) detection and final diagnosis (ultrasound).</p> <p>Target groups: Undergraduate medical students and graduate doctors having basic knowledge of anatomy, embryology and physiology and further interest in the field of pediatric cardiology. Participant Professors with expertise in the field of pediatric cardiology, sound and ultrasound physics.</p> <p>Main activities: Interactive, multimedia based teaching courses, using a “virtual” environment for reproduction of “sound” (auscultation) along with detailed presentation of associated “ultrasound” (echocardiographic findings). Virtual pediatric cardiac auscultation is based on a) high quality reproduction of digital phonocardiograms, corresponding to a wide spectrum of congenital heart disease associated auscultatory findings and innocent murmurs b) enhancement of the auscultatory findings through post-processing of recordings (including sound high and low pass filtering, repeated reproduction of selected intervals, graphic display of sound spectrograms against electrocardiogram tracking line etc). Special emphasis will be given in the presentation of echocardiography as a widely available diagnostic tool in pediatric cardiology, while representative echocardiographic images of selected cases will be presented throughout the course. The main activities will be focused on clinical (sound) and non-invasive diagnosis (ultrasound) but further information regarding genetic background of congenital heart disease, common forms of acquired heart disease in childhood and treatment options (catheter interventions, surgical approaches) will be also addressed.</p> <p>Expected outputs:</p>



<b>Project number</b>	2010-1-GR1-ERA10-04406
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]
<b>Title</b>	Project Management in European Economy
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2009
<b>Subject area code</b>	
<b>Description</b>	<p>PROMECON is a two-week Erasmus Intensive Programme on Project Management in European Economy that aims at developing and delivering organised knowledge transfer and training to students of different disciplines (engineering, science, business) and ethnic background on the social dynamics of project management. PROMECON supports a holistic approach to project management knowledge and skills development which is non-industry related and not single-focused on quantitative methods, (as traditional teaching in project management) but rather emphasizes the project management dynamics and social interaction through active and participating learning.</p> <p>The IP reflects on the changes observed in economy where the traditional form of management cannot deal with the dynamics and resulting chaos of the modern economic, social and business environment. Therefore, the project management process emerges as best suited to handle the dynamic change encountered daily. The objective of PROMECON is to introduce students to the values of this broader inter-disciplinary approach to project management and its importance to European economy and society.</p> <p>In addition, the international and multi-cultural perspective, with participants from 9 European countries and a good representation of both eastern, western, southern and northern countries and their distinctive features respectively, will result in higher synergy of curriculum development and better quality in teaching.</p> <p>PROMECON IP addresses undergraduate students from different disciplines, (business, engineering, science), different ethnic and cultural background throughout Europe, and different exposition to economic development, being in the last part of their undergraduate studies, who have an interest in developing specific skills in managing projects.</p> <p>PROMECON provides the following main activities to achieve the goals: contact learning sessions, including seminars, case studies and workshops, and e-Learning by using an educational internet environment. The course modules will be delivered by professors of the partner institutions. Participating students will be evaluated on their performance in the programme and will be awarded ECTS credits.</p> <p>It has been agreed among partners that PROMECON runs for three (3) academic years. TEI of Larissa hosted the 1st year IP in September 2009 and will host the 2nd year IP in September 2010.</p> <p>The course output will be a study process in Management by Project, including materials on subject related simulation games, practices and case studies. The student output will be the development of specific project plans derived from group work, role playing activities and the application of methodologies and tools on specific case studies.</p>
<b>Coordinator</b>	TECHNOLOGIKO EKPEDEFTIKO IDRIMA (T.E.I.) LARISSAS G LARISSA02

<b>Contact person</b>	PANDELIS IPSILANDIS Address: Technological Educational Institute (TEI) of Larissa Post code - City: 411 10 Larissa Country: GR-Greece Phone: +30-2410-684508 Email: ipsil@teilar.gr Web site:
<b>Partners</b>	A WIEN05 WIRTSCHAFTS - UNIVERSITÄT WIEN - PROJEKT-MANAGEMENT GROUP - AT BG SOFIA03 UNIVERSITY OF NATIONAL AND WORLD ECONOMY - BG CZ HRADEC01 UNIVERZITA HRADEC KRÁLOVÉ - FAKULTA INFORMATIKY A MANAGEMENTU - CZ D KARLSRU05 HOCHSCHULE KARLSRUHE - TECHNIK UND WIRTSCHAFTUNIVERSITY OF APPLIED SCIENCES - DE DK ODENSE01 SYDDANSK UNIVERSITET - DK G KAVALA01 TECHNOLOGICAL EDUCATIONAL INSTITUTE TEI OF KAVALA - GR PL WARSZAW16 POLISH OPEN UNIVERSITY - PL SF TAMPERE 06 TAMPEREEN AMMATTIKORKEAKOULU - Tampere University of Applied Sciences (Former Pirkanmaan Ammattikorkeakoulu - Pirkanmaa University of Applied Sciences) - FI UK LOUGHBO01 LOUGHBOROUGH UNIVERSITY - GB
<b>LLP Grant</b>	52.410,00 €
<b>Planned number of students</b>	50
<b>Working language</b>	...
<b>Activity duration - Location</b>	Activity duration (in days): 10 Location: Larissa

<b>Project number</b>	2010-1-GR1-ERA10-04385
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]
<b>Title</b>	Natural Language Processing: Techniques, Applications and Challenges
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2010
<b>Subject area code</b>	22 - Humanities 222 - Foreign languages 481 - Computer science
<b>Description</b>	<p>The main objective of the IP is to introduce undergraduate students to current technology, trends and challenges in Natural Language Processing (NLP) and their applications. More specifically, the thematic areas include courses in Text Mining and Web Search, Computer-aided Translation and Language Learning, Speech Recognition and Synthesis, Formal and Natural-Language Evolution and Neurophysiology. Secondly, we aim at improving student abilities by encouraging and cultivating creative thinking. Furthermore, we plan to establish a long-term cooperation in research and teaching with our IP partners and other institutions in the EU.</p> <p>The main target group of the programme is undergraduate students, who have completed the second year of their course, and wish to explore active areas of research related to NLP based on a multidisciplinary approach. The participating students will experience the exchange of ideas and practice in a cross-cultural environment. Simultaneously, they will benefit from the development of new curriculum and qualifications obtained through an advanced programme of study which incorporates innovative learning resources and comparative studies. In terms of the expected outputs related to the wider educational community, the IP will offer new European partnerships, transnational sharing of experience and cross-cultural dialogue and cooperation.</p> <p>The region of Western Macedonia and the surrounding areas are renowned for their natural beauties and cultural attractions. The participants of the IP will have the opportunity to enjoy trips to picturesque villages (e.g., Nimfeo and Velvento) and archeological sites (e.g., Vergina). Also various cultural activities in Kozani and nearby cities (e.g., Thessaloniki, Kastoria, Naousa) will be scheduled.</p> <p>In summary, the IP offers the following:</p> <p>Objectives:</p> <ul style="list-style-type: none"> <li>- introduce undergraduate students to current technology trends and challenges in NLP and their applications.</li> <li>- Thematic areas: <ul style="list-style-type: none"> <li>- computer-aided translation</li> <li>- computer-aided language learning</li> <li>- speech recognition and synthesis</li> <li>- text mining and web search</li> <li>- natural language evolution</li> <li>- neurophysiology</li> </ul> </li> </ul>

	<p>Expected output:</p> <ul style="list-style-type: none"> <li>- at the end of the IP, students will be acquainted with: <ul style="list-style-type: none"> <li>- fundamental techniques used in NLP</li> </ul> </li> <li>- fundamental concepts in speech production <ul style="list-style-type: none"> <li>- language evolution</li> <li>- methods of morphological analysis</li> <li>- research topics in the field</li> </ul> </li> <li>- at the end of the IP, students will be able to: <ul style="list-style-type: none"> <li>- appreciate the importance of multidisciplinary research</li> <li>- assimilate information from a variety of sources in diverge fields</li> <li>- evaluate the relative strengths and limitations of different perspectives on NLP.</li> </ul> </li> </ul> <p>Target groups:</p> <ul style="list-style-type: none"> <li>- undergraduate students who have completed the 2nd year of their degree.</li> </ul> <p>Main activities:</p> <ul style="list-style-type: none"> <li>- lectures</li> <li>- practical lab sessions</li> <li>- cultural and social activities</li> </ul>
<b>Coordinator</b>	University of Western Macedonia G KOZANI02
<b>Contact person</b>	Alexandra Galani Address: Karamanli & Ligeris Post code - City: 50100 Kozani Country: GR-GREECE Phone: +302461056529 +302461056500 Email: agalani@uowm.gr Web site:
<b>Partners</b>	CY NICOSIA01 University of Cyprus - CY F TOULOUS02 Université de Toulouse 2 le Mirail - FR G IOANNIN 01 Panepistimio Ioanninon - GR I BOLOGNA01 Universita di Bologna - IT NL GRONING 01 University of Groningen - NL P COIMBRA01 Universidade de Coimbra - PT SI KOPER03 University of Primorska - SI UK YORK01 University of York - GB UK YORK01 University of York - GB
<b>LLP Grant</b>	32.281,50 €
<b>Planned number of students</b>	30
<b>Working language</b>	...

**Activity duration - Location**

Activity duration (in days): 14

Location: Kozani

<b>Project number</b>	2010-1-GR1-ERA10-04396	
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]	
<b>Title</b>	From Chemistry to Biology and Medicine via Metals	
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2008	
<b>Subject area code</b>		
<b>Description</b>	<p>The Erasmus Intensive Program hereby described as a crash summer course, intends to educate young European citizens in the subject matter From Chemistry to Biology, and Medicine via Metals with emphasis on the role of metals ions and their activity as well their necessity for the organism and their synthetic analogs. The candidates for this Program are young students of Natural Sciences including Chemistry, Biochemistry, Pharmacology, Physics and Medicine of both advanced undergraduate and graduate level. The program will include in-class teaching of the theoretical background needed, use of electronic databases and software programs related to the subject and demonstration and use of analytical instruments regularly employed in the Pharmaceutical, Medical as well the Chemical Industry. Participating students will be evaluated on their performance in the program and ECTS credits will be allocated for all courses. The long-term aim of this Program is to familiarize students the role of Metal ions in Biology and Medicine with the field of Bioinorganic and direct interested participants to the Pharmaceutical-Medical Industry.</p>	
<b>Coordinator</b>	PANEPISTIMIO KRITIS G KRITIS01	
<b>Contact person</b>	<p>Athanassios Coutsolelos  Address: Voutes Campus, PO Box 2208  Post code - City: 71003 Heraklion  Country: GR-GREECE  Phone: +00302810545045 +00302810545036 (lab)  Email: coutsole@chemistry.uoc.gr  Web site:</p>	
<b>Partners</b>	<p>D LUBERCK01 UNIVERSITÄTET ZU LUEBECK - DE  F PARIS011 Université Paris-Sud (Paris 11) - FR  F MARSEIL 03 Université Paul Cézanne, Aix-Marseille III - FR  F PARIS05 Université Paris Descartes - FR  F RENNES01 Université De Rennes1 - FR  F STRASBO01 UNIVERSITE LOUS PASTEUR (STRASBOURG 1) - FR  I FERRARA01 Università degli Studi di Ferrara - IT  UK LONDON049 THE SCHOOL OF PHARMACY, UNIVERSITY OF LONDON - GB</p>	
<b>LLP Grant</b>	30.730,00 €	
<b>Planned number of students</b>	20	
<b>Working language</b>	...	
<b>Activity duration - Location</b>	Activity duration (in days): 14 Location: Voutes Campus	Activity duration (in days): N/A Location: N/A

<b>Project number</b>	2010-1-GR1-ERA10-04398
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]
<b>Title</b>	Intensive Programme in Optical Imaging
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2009
<b>Subject area code</b>	
<b>Description</b>	<p>Intensive Program in Optical Imaging.</p> <p>Recent advances in Molecular Biology and genetics as well as biological applications of similar developments in photonics, theoretical physics and engineering offer new powerful capabilities to study and monitor complex biological phenomena at the organism, cell and molecular level. Importantly various technologies that monitor such processes in real time in vivo are now in use and have an important impact in fundamental scientific understanding and useful diagnostic and therapeutic applications.</p> <p>The Optical Imaging Intensive Course (Opl) is part of a joint master program entitled European Master for Molecular Imaging (EMMI), which has been funded to be organized together with the Universities: Universite Paris Sud 11, Universiteit Antwerp and Universita degli studi di Torino, in the frame of the program Erasmus-Curriculum Development and a future enrollment to Erasmus Mundus. This master program is unique in each context and organization, pioneering the education of future scientists in an emerging field affecting modern Biology and Medicine.</p> <p>The course will provide a multidisciplinary theoretical and practical training for graduate students in relevant fields, in many modern -well established or currently developing technologies. Emphasis will be in animal, cell and molecular biology topics and technologies and the way they cross talk or are complemented by the use of fluorescent microscopy, spectroscopy, chemiluminescence, flow cytometry, use of fluorophores, quenching, resonance, photobleaching, cell sorting, fluorescent tomography, intravital microscopy e.t.c.</p> <p>At the end the students could be evaluated with a written examination and a public oral presentation of a small project related to a scientific article, assigned in the beginning of the program. Each student involved in the Opl after the successful conclusion of the course and evaluation procedure would receive 6 ECTS credits. No major divergence was necessary from the initial plans, except the reluctance of domestic industry to embrace the program and support it despite the great effort dedicated to that goal.</p>
<b>Coordinator</b>	PANEPISTIMIO KRITIS G KRITIS01
<b>Contact person</b>	<p>Joseph Papamatheakis  Address: Voutes Campus  Post code - City: 71003 Heraklion  Country: GR-GREECE  Phone: +302810 545211  Email: papamath@rector.uoc.gr  Web site:</p>
<b>Partners</b>	<p>UNIVERSITEIT ANTWERPEN - BE  D KOLN01 Max-Planck-Institut für neurologische Forschung - DE  D MUNCHEN02 Technische Universitaet Muenchen - DE  F PARIS011 Université Paris Sud 11 - FR  I TORINO 01 University of Turin - IT  NL LEIDEN01 Leiden University Medical Center - NL</p>
<b>LLP Grant</b>	47.392,00 €

<b>Planned number of students</b>	45
<b>Working language</b>	...
<b>Activity duration - Location</b>	Activity duration (in days): 14 Location: Heraklion

<b>Project number</b>	2010-1-GR1-ERA10-04402
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]
<b>Title</b>	Sustainable land management and climate change- case studies in different regions of Europe
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2009
<b>Subject area code</b>	
<b>Description</b>	<p>Objectives:</p> <ul style="list-style-type: none"> <li>- to provide training in integrated sustainable land use and environmental management to environmental, geography and tourism students,</li> <li>- to give students stimulating intensive field training within a European environment</li> <li>- to address sustainability issues in the context of conflicting demands on land use in new and unfamiliar environments for the students,</li> <li>- to allow students to confront their own different academic perspectives on land use and sustainability</li> </ul> <p>Thematic areas: '422 Environmental science', '62 Agriculture, forestry and fishery', '852 Natural environments and wildlife'</p> <p>Target groups: advanced undergraduate students of geography, environmental sciences and tourism from five higher-education institutions from Greece, Spain, Germany, England and Poland.</p> <p>Main activities: intensive field course on Lesbos Island of the Aegean Islands, Greece. Students will work in small international groups tutored by two international staff. Each group will conduct a separate project addressing an issue of land management, landscape vulnerability and land-use sustainability in relation to various demands.</p> <p>Outcomes:</p> <ul style="list-style-type: none"> <li>- ECTS credits for successful students,</li> <li>- Increased understanding by students of the perspectives of other Europeans and of other academic backgrounds,</li> <li>- Enhanced working relations between staff from participating institutions.</li> </ul>
<b>Coordinator</b>	UNIVERSITY OF THE AEGEAN, DEPARTMENT OF GEOGRAPHY G Athine 41
<b>Contact person</b>	<p>Thanasis Kizos  Address: University Hill  Post code - City: Mytilini 81100  Country: GR-GREECE  Phone: 0030 22510 36447 0030 22510 47932  Email: akizos@aegean.gr  Web site:</p>
<b>Partners</b>	<p>E LLEIDA01 UNIVERSITAT DE LLEIDA - ES  EBERSWA01 Fachhochschule Eber - DE  FI OULU 11 Oulu University of Applied Sciences - FI  PL SZCZECI02 West Pomeranian University of Technology, Szczecin - PL</p>
<b>LLP Grant</b>	30.310,40 €

<b>Planned number of students</b>	25
<b>Working language</b>	...
<b>Activity duration - Location</b>	Activity duration (in days): 10 Location: Lesvos, Greece

<b>Project number</b>	2010-1-GR1-ERA10-04405
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]
<b>Title</b>	Applications of Electronics in Plasma Physics
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2009
<b>Subject area code</b>	
<b>Description</b>	<p>The aim of the proposed IP is to offer an introduction to the applications of electronics and optoelectronics in Plasma science and especially in the feasibility of laser driven fusion as a future clean energy source. HiPER (<a href="http://www.hiper-laser.org">www.hiper-laser.org</a>) is a proposed European High Power laser Energy Research facility dedicated to demonstrating the feasibility of laser driven fusion as a future energy source. HiPER is being designed to enable a broad array of new science including extreme material studies, astrophysics in the laboratory, miniaturised particle accelerators and a wide range of fundamental physics research. The existence of highly educated scientists and engineers in Laser Plasma Physics and Technology is a key point for bringing HiPER into society and at the same time giving the opportunity to new scientists to enter the exciting field of laser matter interactions. The proposed IP also attempts to fill the gap in the curriculum of the standard educational programmes of the participating Universities in this modern technology. The topics the proposed IP will cover are the following:</p> <ol style="list-style-type: none"> <li>1) Applications of modern electronics in Plasma Science &amp; Technology.</li> <li>2) X ray production by discharged devices and applications in Plasma diagnostics.</li> <li>3) Plasma Physics Principles for Laser Driven Fusion.</li> <li>4) Optoelectronics technologies for the development of laser infrastructures for laser fusion applications.</li> <li>5) Energy production in industrial scale by Laser Driven Fusion.</li> </ol> <p>The above mentioned thematic sessions are going to be covered theoretically by experienced lecturers from the participating Universities. All the lectures are going to take part in the facilities of the Department of Electronics of the Technological Educational Institute of Crete in Chania.</p> <p>All the lectures are going to be presented in English language.</p> <p>This intensive course is designed for a) undergraduate students of Physics, Mathematics, Electronic and Electrical engineering Departments and b) graduate students that are starting their PhD in the area of plasma science, and green energy sources.</p> <p>The selection of the participating students (5 students maximum from each participated Institute except for the coordinating university that 10 students will be allowed) will be performed by the responsible academic staff in the participating institutes. The selection will be based on a) student's CV, b) the year of her/his studies and c) the proficiency of her/his English.</p>

We suggest that the IP will be associated with 6 ECTS units to be awarded to the successful students. The criteria for success requires: a) Attendance to at least 80% of the lectures and lab demonstrations, b) A score greater than 60% in the written evaluation at the end of the course, c) Minimum score 5.0 / 10.0 to the distributed exercises / projects by the lecturers.

Standard teaching methods will be employed during the course combined with resources offered by Information & Communication Technology (ICT) such as multimedia presentations and computer based simulation of physical models.

The management of the project will be the responsibility of the TEI of Crete. Joint design of the

program and the lesson content will be undertaken through emails, e – meetings and telephone contacts between the members of the staff of the IP course. The finalisation of the syllabus of the course, as well as other logistic and organisational aspects, will be discussed in a meeting that is going to take place in one of the participating Institutes. The working plan is divided in four stages: lesson design, preparatory meeting, course organisation, post course activities.

The expected outputs from the proposed IP course are the following:

- a) Greater expertise of the participants in the field of electronics in plasma science.
- b) The syllabus of the IP course to be included into the participants Universities undergraduate educational programs.
- c) The syllabus of the proposed IP program to be used as a guide in the organisation of a joint MSc course in the frame of the Erasmus – Mundus program between the participating institutes.
- d) Joined research proposals between the co-operated Universities.
- e) Development of modern educational and training methods.

<b>Coordinator</b>	Technological Educational Institute of Crete GR-KRITIS04
<b>Contact person</b>	Michalis Tatarakis Address: Romanou 1, Chalepa Post code - City: 73133 Chania Country: GR-GREECE Phone: 0030 2821023018 Email: m.tatarakis@chania.teicrete.gr Web site:
<b>Partners</b>	Czech Technical University in Prague - CZ E MADRID05 Technical University of Madrid - ES F BORDEAU01 University of Bordeaux 1 - FR I MILANO16 University of Milano - Bicocca - IT P LISBOA04 Technical University of Lisboa - PT UK BELFAST01 QUEEN'S UNIVERSITY - GB UK YORK01 University of York - GB UKLONDON015 Imperial College London - GB
<b>LLP Grant</b>	57.101,00 €
<b>Planned number of students</b>	45
<b>Working language</b>	...

**Activity duration - Location**

Activity duration (in days): 10

Location: TEI of Crete

<b>Project number</b>	2010-1-GR1-ERA10-04407
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]
<b>Title</b>	An Introduction to Organic Electronics and Applications
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2009
<b>Subject area code</b>	
<b>Description</b>	<p>The aim of the proposed IP is to offer an introduction to the technology of organic electronics and applications and fill the gap in the curriculum of the standard educational programmes. The topics that are going to be presented are the following:</p> <ol style="list-style-type: none"> <li>1) Technology of Organic materials</li> <li>2) Manufacturing and processing methods of organic semiconductors.</li> <li>3) Electronic devices based on organic materials (Organic transistors, organic lasers, organic light emitting diodes, solar cells, hybrid systems).</li> <li>4) Applications of Organic Electronics.</li> </ol> <p>The above mentioned thematic sessions are going to be covered theoretically and practically through lab demonstrations by experienced lecturers from the participating Universities. The lab demonstrations and one day of lectures are going to take part in the Department of Electrical Engineering in the TEI facilities in Heraklion. In Heraklion facilities there are modern clean room and equipment facilities that can be used by the participants students. TEI of Crete will secure the transportation from Chania to Heraklion and back to Chania (with one of the TEI mini buses) and the accommodation (in the TEI's hall of residence) of the students in Heraklion.</p> <p>All the lectures are going to be presented in English language.</p> <p>This intensive course is designed for a) undergraduate students of Physics, Chemistry, Biology, Electronic and Electrical Engineering Departments and b) graduate students that are starting their PhD in the area of organic electronics.</p> <p>The selection of the participating students (5 students maximum from each participated Institute except from the host university that will be 15) will be done by the responsible academic staff in the participating institutes. The selection will be based on a) student's CV, b) the year of his / her studies and c) the proficiency of his English.</p> <p>We suggest that the IP will be associated with 6 ECTS units to be awarded to the successful student. The criteria for success requires: a) Attendance to at least 80% of the lectures and lab demonstrations, b) A score greater than 60% in the written evaluation at the end of the course, c) Minimum score 5.0 / 10.0 to the distributed exercises / projects by the lecturers.</p> <p>Standard teaching methods will be employed during the course combined with resources offered by Information &amp; Communication Technology (ICT) such as</p>

	<p>multimedia presentations and computer based simulation of physical models.</p> <p>The management of the project will be the responsibility of the TEI of Crete. Joint design of the program and lesson content will be undertaken through emails, e – meetings and telephone contacts between the members of the staff of the IP course. The finalisation of the syllabus of the course, as well as other logistic and organisational aspects, will be discussed in a meeting that is going to take place in one of the participating Institutes. The working plan is divided in four stages: lesson design, preparatory meeting, course organisation, post course activities.</p> <p>The expected outputs from the proposed IP course are the following:</p> <p>a) Greater expertise of the participants in the field of organic electronics and applications.</p> <p>b) The syllabus of the IP course to be included into the participants Universities undergraduate educational programs.</p> <p>c) The syllabus of the proposed IP program to be used as a guide in the organisation of a joint MSc course in the frame of the Erasmus – Mundus program between the participating institutes.</p> <p>d) Joined research proposals between the co-operated Universities.</p> <p>e) Development of modern educational and training methods.</p>
<b>Coordinator</b>	Technological Educational Institute of Crete GR-KRITIS04
<b>Contact person</b>	<p>Kostantinos Petridis  Address: Romanou 1, Chalepa  Post code - City: Chania 73133  Country: GR-GREECE  Phone: +302821023041  Email: c.petridis@chania.teicrete.gr  Web site:</p>
<b>Partners</b>	<p>209649-IC-1-2007-1-CY-ERASMUS-EUCX-1 University of Cyprus - CY  245583-IC-1-2008-1-CY-ERASMUS Cyprus University of Technology - CY  S LINKOPI01 Linkoping University - SE  UK OXFORD01 University of Oxford - GB  UK ST-ANDR01 University of St-Andrews - GB  UKLONDON015 Imperial College London - GB</p>
<b>LLP Grant</b>	53.402,00 €
<b>Planned number of students</b>	45
<b>Working language</b>	...
<b>Activity duration - Location</b>	<p>Activity duration (in days): 10  Location: TEI of Crete</p>

<b>Project number</b>	2010-1-GR1-ERA10-04404
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]
<b>Title</b>	GeoInformation and ICT in Market Research
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2010
<b>Subject area code</b>	342 - Marketing and advertising 443 - Earth science 482 - Computer use
<b>Description</b>	<p>In the UK alone, it is estimated that more than €110 billion of economic activity is underpinned by geographical data and the same is true to a varying degree for all European countries. Information held by any business in any part of the world has a spatial dimension. Retail businesses have customers who live somewhere, manufacturing ones have a distribution chain that requires their products to be taken to potential buyers by the cheapest route in the shortest possible time, while service sector businesses choose their location by calculating the spending power of their intended catchment area. Market analysis, however, seems to focus mostly on issues of finance, rather than on location. The understanding of how to handle geographic and geodemographic information allows the analysis of location dynamics to contribute to the profit margins of a business firm and to understand better the potential target markets. Yet, this rigorous and relevant academic subject that can be put to work to improve real world business is rarely covered in most of the many business and marketing undergraduate and postgraduate programmes of study. Businesses can plan for tomorrow based on an accurate picture of today.</p> <p>Students who will attend this IP will become capable in answering questions like “what is at...”, “where is it...”, “what has changed here...”, “which is the best way to...”, “is there perhaps a pattern of...” and “what is this pattern...”? By combining</p> <p>technologies which are believed to have applications only in earth sciences and environmental studies with any of their business/marketing programme of study, they will be able to contribute to a business success by complementing the what (to produce) and how to produce it (materials and technology), with the question of where (either to locate the business or find customers). The development of new technologies and communication systems (Internet, 3G mobile networks etc) affect the geographical distribution of resources. After all, do virtual organisations without a physical presence need to acquire geographical knowledge and if so, for what purpose?</p> <p>Students will be exposed on how to handle and manipulate vector maps and they will learn how to obtain, enter data and manipulate raster maps and datasets which are the more appropriate technology for their discipline and application. The software packages MapInfo and Idrisi will be used for the purpose. In addition, they will learn how data are collected in small structured geographical units such as the UK postcode or census enumeration district and compare and contrast this with their own national datasets. They will see the application of sophisticated geodemographic models with social class classifications and they will carry out a small mixed-group project using multi-criteria analysis. Upon conclusion, they will feel comfortable that by using the tools and technologies covered in this IP, they will be able to address real-life situations when called to answer questions like “where should I open, close or locate my next store?”, “which products will suit this area?”, “how should I allocate my resources?”, “what factors can influence my store performance?” etc.</p>
<b>Coordinator</b>	Technological Educational Institute (TEI) of Piraeus G.EGALEO01

<b>Contact person</b>	Dionysios Giannakopoulos Address: Petrou Ralli 1 and Thivon 250, Aigaleo Post code - City: 12240 Athens Country: GR-GREECE Phone: +302105381429 +302105381173 Email: dgian@teipir.gr Web site:
<b>Partners</b>	SK ZVOLEN01 Technical University in Zvolen - SK UK PAISLEY01 UNIVERSITY OF THE WEST OF SCOTLAND - GB
<b>LLP Grant</b>	49.197,00 €
<b>Planned number of students</b>	48
<b>Working language</b>	...
<b>Activity duration - Location</b>	Activity duration (in days): 10 Location: Spetses

<b>Project number</b>	2010-1-GR1-ERA10-04392
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]
<b>Title</b>	Computing Aspects of Computer Games Development
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2008
<b>Subject area code</b>	
<b>Description</b>	<p>The IP will bring together students and academics in order to increase participants' exposure to Computing Aspects of Computer Games Development (CACGD). CACGD include a range of traditional yet still developing computer science disciplines such as graphics, networking and database technology with nascent techniques that include artificial intelligence and novel means of facilitating human-computer-interaction. The IP will act as a catalyst for the partner institutions to develop full degree provision in the area of CACGD that will help attract students to Computer Science. The IP is primarily aimed at final year undergraduates, first year postgraduate students and at academics already working in one sector of the subject.</p> <p>The IP will provide such training and seek to inspire the students that attend it to go on to further career development in the computing, relevant MSc courses or by PhD research. The IP will provide opportunity to gain a European prospective on recent developments in a subject area that is very much at the cutting edge of computing. During the IP new development tools will be utilized for laboratory work along with tutorial sessions delivered by experienced professionals covering a broad range of material.</p> <p>The proposed IP will span for three years. The first year took place in Brno, Czech Republic, the second year in La Rochelle, France and the third year in Crete, Greece.</p>
<b>Coordinator</b>	TECHNOLOGICAL EDUCATIONAL INSTITUTE OF CRETE GR KRITIS04
<b>Contact person</b>	<p>George Papadourakis  Address: P.O.BOX 1939, STAVROMENOS  Post code - City: 71004 HERAKLION  Country: GR-GREECE  Phone: +30 2810 379 802 +30 3810 225177  Email: papadour@cs.teicrete.gr  Web site:</p>
<b>Partners</b>	<p>B LIEGE 38 Higher Education Institution of the Province de liège (HEPL) - BE  CZ BRNO 01 Brno University of Technology (BUT), Czech Republic - CY  D KIEL 03 Kiel University of Applied Sciences - DE  E VALLADO01 University of Valladolid - ES  F LA-ROCH08 Université de La Rochelle - FR  G THESSAL 01 ARISTOTELEIO PANEPISTIMIO THESSALONIKIS - GR  UK PONTYPR01 University of Glamorgan - GB</p>
<b>LLP Grant</b>	36.816,00 €
<b>Planned number of students</b>	48
<b>Working language</b>	...
<b>Activity duration - Location</b>	<p>Activity duration (in days): 12  Location: Crete</p>

<b>Project number</b>	2010-1-GR1-ERA10-04400
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]
<b>Title</b>	SYNAPS: Synthesis and Retrosynthesis in the Chemistry of Natural Products
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2008
<b>Subject area code</b>	
<b>Description</b>	<p>The Erasmus Intensive Program hereby described as a crash summer course, intends to educate young European citizens in the subject matter of the Chemistry of Natural Products with emphasis on the Analysis and Synthesis of naturally occurring compounds and their analogs. The candidates for this Program are young students of Natural Sciences including Chemistry, Biochemistry, Pharmacology, Food Sciences, and Agricultural Sciences of both advanced undergraduate and graduate level.</p> <p>The program will include in-class teaching of the theoretical background needed, use of electronic databases and software programs related to the subject and demonstration and use of analytical instruments regularly employed in the Natural Products Industry. Participating students will be evaluated on their performance in the program and ECTS credits will be allocated for all courses. The long-term aim of this Program is to familiarize Natural Science students with the field of Natural Products and direct interested participants to the Natural Product Industry.</p> <p>This program is an improvised version of SYNAPS, a Natural Product Chemistry program that was implemented as IP: 31388 - IC - 1 - 2005 - 1 -GR- ERASMUS - IPUC – 1 at Heraklion, Crete, Greece during the summer of 2007. It has been approved as an I.P for the years 2009/10 and is now submitted for re-evaluation for a third year extension.</p>
<b>Coordinator</b>	PANEPISTIMIO KRITIS (UNIVERSITY OF CRETE) G KRITIS01
<b>Contact person</b>	<p>HARALAMBOS, E. KATERINOPOULOS  Address: VOUTES CAMPUS  Post code - City: 71003 HERAKLION, CRETE  Country: GR-GREECE  Phone: XX30 2810 545 026 XX30 2810 545 042  Email: kater@chemistry.uoc.gr  Web site:</p>
<b>Partners</b>	<p>UNIVERSITÄT LEIPZIG - DE  UNIVERSITA' DEGLI STUDI DI FIRENZE - IT  I ROMA01 Università degli studi di Roma "La Sapienza" - IT  UK BIRMING02 University of Birmingham - GB</p>
<b>LLP Grant</b>	25.700,00 €
<b>Planned number of students</b>	30
<b>Working language</b>	...
<b>Activity duration - Location</b>	<p>Activity duration (in days): 10  Location: Heraklion</p>

<b>Project number</b>	2010-1-GR1-ERA10-04389
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]
<b>Title</b>	Older people in Europe: new needs
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2010
<b>Subject area code</b>	7 - Health and Welfare 723 - Nursing and caring 76 - Social services
<b>Description</b>	<p>Objectives:</p> <ol style="list-style-type: none"> <li>1) To provide an innovative forum for students and staff to find solutions to improve/maintain the health status of elderly European citizens.</li> <li>2) To encourage the exchange of innovative educational practises between teachers and students and share these with a multi-national classroom.</li> <li>3) To be able to work and study not only at a multi-national level but in a truly cross-cultural learning environment.</li> </ol> <p>Target groups:</p> <p>We will look at Elder Europeans' health and wellbeing from a broad perspective: physical, mental, social, cultural and spiritual/psychic. During six study circles preceding the IP, students will compile a portfolio that contains the health and wellbeing issues regarding senior citizens in their respective countries. During the IP the students will work in transnational groups using the material in the portfolios but also other kinds of sources.</p> <p>Main activities:</p> <ol style="list-style-type: none"> <li>1) Use of information technology and web-2 facilities to search for simple solutions concerning health improvements for the Elderly.</li> <li>2) Brainstorming cross-culturally to explore innovative ideas and explore lateral thinking.</li> <li>3) Producing a checklist of main risk factors and health issues concerning the Elderly.</li> </ol> <p>Expected outputs:</p> <p>To enhance and broaden the teaching of Geriatrics, Rehabilitation and Older People's Care which are subjects currently taught in most of the participating institutions.</p> <p>At the end of the IP each group will present the ideas generated for improving health outcomes of the Elder Citizens in Europe, as a synthesis of the work done during the IP.</p>
<b>Coordinator</b>	ALEXANDER EDUCATIONAL INSTITUTION OF THESSALONIKI G thesal 12

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<b>Partners</b>	B GEEL07 Katholieke Hogeschool Kempen - BE E CADIZ01 Universidad de Cadiz - ES FI VAASA13 Yrkeshögskolan Novia - FI P COIMBRA24 Escola Superior de Enfermagem de Coimbra - PT UK LIVERPO01 The University of Liverpool, School of Health Sciences - GB UK PRESTON01 University of Central Lancashire - GB
<b>LLP Grant</b>	35.714,00 €
<b>Planned number of students</b>	28
<b>Working language</b>	...
<b>Activity duration - Location</b>	Activity duration (in days): 14 Location: THESSALONIKI

<b>Project number</b>	2010-1-GR1-ERA10-04412
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]
<b>Title</b>	Cross-Cultural Management
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2009
<b>Subject area code</b>	
<b>Description</b>	<p>ObjectivesThe “Cross-Cultural Management” intensive program is an initiative of the EuroMed Research Business Institute (<a href="http://www.emrbi.com">www.emrbi.com</a>) designed to achieve the following aims:</p> <ol style="list-style-type: none"> <li>1. Through mutual contribution of partner institutions establish a common base of teaching material, innovative teaching and learning outcomes with the potential to become the European standard for cross-cultural management training.</li> <li>2. Maintain the partnership beyond the project’s completion by integrating its results into the regular work of partner institutions and exchanging knowledge and experience.</li> <li>3. Strengthen further the partnership towards undertaking common research projects and implementing joint curricula.</li> <li>4. Promote the idea of CCM training, as an essential part of management curricula, as widely as possible between students and academics of different cultural backgrounds.</li> </ol> <p>These aims will be met through:</p> <ul style="list-style-type: none"> <li>· Providing students with high level theoretical and empirical know-how on the key issues related to cross-cultural management-</li> <li>· Doing this in a genuinely multicultural and multilingual learning environment-</li> <li>· Offering academically valid training with transferable ECTS units assigned to it-</li> <li>· Turning all students and academics involved into advocates of the project-</li> <li>· Taking all appropriate actions to disseminate the program’s results-</li> <li>· Using the program as the basis for creating a joint Master’s in Cross-Cultural (or International) Management.</li> </ul> <p>Target groupsDirect target groups are first (BA) and second (MA) cycle students, enrolled in partner institutions. Although the program is designed to meet postgraduate standards, it will be flexible enough to be attended by undergraduate students in their final semesters. All students must have a good command of the English language. Main activitiesExpert academics from participant institutions, will provide students with theoretical knowledge and practical skills in five modules related to the main areas of cross-cultural management:</p> <p>Module 1. “Culture as the foundation of human behavior – Definition of Culture” with the following sub-units: Conceptualization of Culture, Relative strengths and weaknesses of models, the notion of Sub-Culture, Importance of shifts in culture. People’s response to change, Economic factors and foreign interventions as determinants of shifts in culture</p> <p>Module 2. “International Management and Culture” with the following sub-units: Significance of culture for management, Implications of culture on managerial styles and decision-making, Culture and strategy, Implications on strategic alliances, Mergers and acquisitions across cultures, International cooperation, Intercultural knowledge transfer, Culture and organizational structures, Work related value systems, Western vs. Eastern cultures</p> <p>Module 3 “Implications of culture on management practice” with the following sub-units: Corporate cultures, Leadership in multi-cultural contexts, Organizational change as a cultural process, Building and monitoring trans-cultural competence, International marketing, Managing customer behaviour.</p> <p>Module 4 “Culture and management communication” with the following sub-units: Communicating in and between cultures, Handling communication barriers, International – cross-cultural negotiations, Implications of culture on team-work, Cultural diversity and conflicts, Resolving conflicts-Mediation, Developing intercultural relationships.</p> <p>Module 5 “Culture and business environment” with the following sub-units: Ethical issues related to culture, Political and economic environment, Environmental considerations, Corruption, Legal systems.</p> <p>A final Module 6 “Closing Unit” will include oral presentation of assignment work and discussion, a Closing lecture and finally the Course review and assessment.</p> <p>Modules 1 to 5 contain morning lectures in plenary sessions and afternoon parallel sessions of case studies, guided assignment work, group discussions etc. Module 6 is an all day event. The program also includes cultural</p>



<b>Project number</b>	2010-1-GR1-ERA10-04394
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]
<b>Title</b>	Small Scale Renewable Energy Sources and Energy Saving
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2008
<b>Subject area code</b>	
<b>Description</b>	<p>The proposed Intensive Program (IP) aims to introduce current development and new trends of Renewable Energy Sources (RES) in the specific field of small scale applications. More specifically, the main thematic areas are:</p> <ul style="list-style-type: none"> <li>- Renewable energy sources (RES) in the building sector.</li> <li>- Energy saving and comfort in buildings.</li> <li>- Distributed generation in power systems using RES technologies.</li> <li>- Stand-alone applications of RES technologies.</li> </ul> <p>The IP is mainly related to undergraduate students in the last year of mechanical engineering, electrical engineering, environmental engineering and technological education in general. Moreover, the IP is also related to postgraduate students in RES, power generation and environmental management. The criteria for the choice of the participating students will be: semester of studies, performance in related lessons of the Programme, adequate knowledge of English.</p> <p>The expected outputs of the proposed IP-RESchool pertain to the adequate scientific preparation of the participating students and the improvement of the provided level of studies in the cooperating Universities, while the interaction between the associated professors will also play a significant role. Moreover, the associated Universities will also have the ability to organize and develop jointly new educational and research projects, related to Small Scale Renewable Energy Sources and Energy Saving.</p>
<b>Coordinator</b>	Technological Educational Institute of Crete (TEIC) G KRITIS04
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<b>Partners</b>	<p>CZ PRAHA10 Czech Technical University in Prague - CZ  DK RISSKOV06 VIA University College - DK  G ATHINE01 National &amp; Kapodistrian University of Athens - GR  G KRITI09 Technical University of Crete - GR  RO BRASOV 01 University Transilvania of Brasov - RO  UK UXBRIDG01 Brunel University - GB</p>
<b>LLP Grant</b>	31.838,00 €

<b>Planned number of students</b>	30
<b>Working language</b>	...
<b>Activity duration - Location</b>	Activity duration (in days): 14 Location: TEI of Crete

<b>Project number</b>	2010-1-GR1-ERA10-04386
<b>Country/National Agency of the project coordinator</b>	Greece [GR1]
<b>Title</b>	IP-TEMU INTENSIVE PROGRAMME IN "TELECOMMUNICATIONS AND MULTIMEDIA"
<b>Year when first awarded an IP grant (funding available for maximum 3 years)</b>	2008
<b>Subject area code</b>	
<b>Description</b>	<p>Objectives</p> <p>The IP TEMU objectives are:</p> <p>The introduction to issues and practices in new technologies in the field of "Applied Informatics", "Telecommunications" and "Multimedia Applications". In the above technologies fields, today there is significant technological developments with applications to digital terrestrial telecommunications, Satellite Communications, wireless and wired networks communications, network security, Industrial IT, multimedia applications (animation, tree-D applications), etc.</p> <p>The new technological developments both in theory and in the laboratories will be developed by specialized Professors to cover a large part of Telecommunications, in the Science of Computers and in Multimedia.</p> <p>Target groups</p> <p>The IP is directed at First Degree students in the last semesters and students of Post Graduate Programmes, who are carrying out studies in the following fields: Applied Informatics, Computer Science, Telecommunications, Electrical Engineering/Electronics, Physics, Multimedia and Production/Management as well as to graduates in the following fields. The selection of the interested students will be by a committee of professors which will be designated by the collaborating universities. Selection criteria will be: Final Semesters, Grades in lessons which are relevant thematic subjects of the Programme and a good knowledge of English.</p> <p>Main Activities</p>

	<p>The new proposal for ERASMUS IP with the title TEMU 2011 is based on the positive results and the experiences of IPs which have been carried out over the last four years. Indeed the last IPs took place at VIA University College in Denmark and in Heraklion Greece with great success. These experiences were valuable and useful in the planning of the proposed IP for 2011. They are connected with the production and the results of these collaborations will be incorporated in the planning of the new IP. Specialists will also be involved and invited to present experiences in the domain of the program frame work. The thematic topics which will be developed will be : Data Acquisition Systems and Data Analysis systems, Hardware systems Design, Signal and Image Processing, Video/Audio compression, Real-Time Communication and its Quality in IP Networks, Digital Broadcasting-Digital Terrestrials Interactive Television, Pattern Recognition, Modulation shams and base band processing in digital broadcasting, Real-Time Communication and its Quality in IP Networks, Wireless communication systems, Multimedia technologies and applications, industrial Information systems, Quality of Management e.t.c.</p> <p>Expected outputs</p> <p>The proposed IP TEMU 2011 is immediately related with the syllabi of the collaborating institutions and will allow the collaborating professors and students to become familiar with new subjects which are based on the specialization and experience of other collaborators. As also happened with the previous IP, the opportunity will be given to the collaborating institutions to plan and to develop a joint educational Programme and research, and a Master's which will have as its base the IP and the students who attend it to primarily come from the IP TEMU.</p> <p>Taking into account all the above, TEI of Crete and FH-Duesseldorf contribute to the carrying out of a Joint Postgraduate Programme of Studies, with the title "Telecommunication and Multimedia". The programme has already been successfully evaluated by the German Ministry of Education. Similar actions are now taking place from the side of the TEI of Crete.</p>
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<b>Partners</b>	<p>B KORTRIJ 01 KATHOLIEKE HOGESCHOOL ZUID-WEST-VLAANDEREN - BE  D DUSSELD03 FH Düsseldorf - DE  DK HORSENS03 VIA University College, School of Technology &amp; Business - DK  DK ODENSE 01 University of Southern Denmark - DK  G Patra01 University of Patras - GR  PL BYDGOSZ02 University of Technology and Life Sciences - PL  RO BRASOV 01 Transilvania University of Brasov - RO  TR MUGLA01 Mugla University - TR</p>
<b>LLP Grant</b>	63.344,00 €
<b>Planned number of students</b>	49
<b>Working language</b>	...
<b>Activity duration - Location</b>	<p>Activity duration (in days): 16  Location: Horsens</p>