

Project number	2009-1-GR1-ERA10-01967
Country/National Agency of the project coordinator	Greece [GR1]
Title	An Introduction to Organic Electronics and Applications
Year when first awarded an IP grant (funding available for maximum 3 years)	2009
Subject area code	441 - Physics 523 - Electronics and automation 523 - Electronics and automation
Description	<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"> 1) Technology of Organic materials 2) Manufacturing and processing methods of organic semiconductors. 3) Electronic devices based on organic materials (Organic transistors, organic lasers, organic light emitting diodes, solar cells, hybrid systems). 4) Applications of Organic Electronics. <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. All the lectures are going to be presented in English language. 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. 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. 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. 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 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</p>

	<p>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:</p> <p>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>				
Coordinator	Technological Educational Institute of Crete GR-KRITIS04				
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Partners	<p>CY LIMASSO02 Cyprus University of Technology - CY CY NICOSIA01 University of Cyprus - 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>				
LLP Grant	45.889,00 €				
Planned number of students	45				
Working language	EN-English				
Activity duration - Location	<table border="0"> <tr> <td>Activity duration (in days): 10</td> <td>Activity duration (in days): N/A</td> </tr> <tr> <td>Location: TEI of Crete</td> <td>Location: N/A</td> </tr> </table>	Activity duration (in days): 10	Activity duration (in days): N/A	Location: TEI of Crete	Location: N/A
Activity duration (in days): 10	Activity duration (in days): N/A				
Location: TEI of Crete	Location: N/A				

Project number	2009-1-GR1-ERA10-01974
Country/National Agency of the project coordinator	Greece [GR1]
Title	Cross-Cultural Management
Year when first awarded an IP grant (funding available for maximum 3 years)	2009
Subject area code	340 - Business and administration (broad programmes)
Description	<p>ObjectivesThe “Cross-Cultural Management” intensive program is an initiative of the EuroMed Research Business Institute (www.emrbi.com) designed to achieve the following aims:</p> <ol style="list-style-type: none"> 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. 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. 3. Strengthen further the partnership towards undertaking common research projects and implementing joint curricula. 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. <p>These aims will be met through:</p> <ul style="list-style-type: none"> · Providing students with high level theoretical and empirical know-how on the key issues related to cross-cultural management: Doing this in a genuinely multicultural and multilingual learning environment: Offering academically valid training with transferable ECTS units assigned to it: Turning all students and academics involved into advocates of the project: Taking all appropriate actions to disseminate the program’s results: Using the program as the basis for creating a joint Master’s in Cross-Cultural (or International) Management. <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.</p> <p>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 visits to Knossos Palace (known as the Labyrinth in ancient years) and to Diktaion Andron (the place where Zeus, who later made love to Europe, was born) at no cost for the program’s budget as transportation will be provided by TEI of Crete.</p> <p>Expected outputs of the program will encompass:</p> <ol style="list-style-type: none"> 1. Joint implementation of the course for at least two more years after Agios Nikolaos, hosted by partner institutions in other countries followed by implementation of the course at least once by each partner university. 2. Course related material in electronic form

	<p>complete with contents and layout, reading material for students, recommended other reading list, teacher's reading material including pedagogical and teaching methods recommendations, elaborated case studies, simulation instructions and a complete set of multimedia presentations.3. Evaluation methodology and results report in electronic form, also containing evaluation instruments (questionnaires) and recommendations for possible changes to the program.4. A website containing all course related material and outputs for download, in all stages of the program (preparation, implementation, dissemination and follow up).5. An extensive internal and external dissemination campaign through electronic means available. Partner institutions will incorporate the 6 ECTS credits worth course into their regular program either as obligatory or elective and exchange knowledge and experience from its implementation. According to the structure of studies in each university the credits will either count as representing an integral course module or will be allocated to existing courses as work done. The IP will become the basis of a Master's Program on Cross-Cultural (or International) Management that will be jointly organized and implemented by partner institutions.</p>
Coordinator	Technologiko Ekpedeftiko Idrima Kritis (Technological Educational Institute of Crete – T
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Partners	<p>TR ISTANBU16 Kadir Has University - TR CY NICOSIA 14 University of Nicosia - CY CY NICOSIA24 EUROPEAN UNIVERSITY CYPRUS - CY D SIGMARI 01 Albstadt-Sigmaringen University - DE E LEON01 University of Leon - ES E BARCELO16 Ramon Llull University – ESADE Higher School of Management and Administration - ES G VOLOS 01 University of Thessaly - GR LT VILNIUS01 Vilnius University - LT P BRAGA01 Universidade do Minho - PT P PORTO05 Porto Polytechnic Institute - PT SF ESPOO01 Helsinki University of Technology - FI SF VAASA01 University of Vaasa - FI UK LEEDS02 LEEDS METROPOLITAN UNIVERSITY - GB</p>
LLP Grant	125.005,75 €
Planned number of students	60
Working language	EN-English
Activity duration - Location	<p>Activity duration (in days): 10 Location: Agios Nikolaos Crete</p>

Project number	2009-1-GR1-ERA10-01947
Country/National Agency of the project coordinator	Greece [GR1]
Title	Innovative technologies in media production - Future Developments and Trends
Year when first awarded an IP grant (funding available for maximum 3 years)	2009
Subject area code	213 - Audio-visual techniques and media production
Description	<p>Το εντατικό πρόγραμμα με συνοπτικό τίτλο MEDIAPRO-IP αφορά το επιστημονικό πεδίο της τεχνολογίας των γραφικών τεχνών, και των μέσων οπτικής επικοινωνίας - εκτυπώσεων και εκδόσεων. Έμφαση δίδεται ιδιαίτερα σε επιλεγμένα θέματα των γραφικών τεχνών, μάνατζμεντ και ειδικών εφαρμογών πληροφορικής που θα επηρεάσουν σημαντικά τον σχεδιασμό, και την παραγωγή των μέσων οπτικής επικοινωνίας.</p> <p>Το πρόγραμμα αφορά τελειόφοιτους προπτυχιακούς φοιτητές και φοιτήτριες που βρίσκονται στο στάδιο εκπόνησης της διπλωματικής τους εργασίας ή φοιτούν στα τελευταία εξάμηνα σπουδών καθώς και μεταπτυχιακούς φοιτητές/τριες, πάντα σε προγράμματα τεχνολογίας Γραφικών Τεχνών και Μέσων (media). Είναι έτσι δομημένο ώστε να μπορούν να το παρακολουθούν και οι δύο κύκλοι σπουδών. Θα απονεμηθούν 5 ECTS στους επιτυχώς παρακολουθήσαντες φοιτητές.</p> <p>Οι εταίροι θεωρούνται κορυφαίοι στο είδος τους. Ειδικότερα, το ΤΕΙ Αθηνών και το ΕΑΠ είναι τα μοναδικά Ανώτατα Εκπαιδευτικά Ιδρύματα που προσφέρουν το συγκεκριμένο γνωστικό αντικείμενο στην Ελλάδα. Το ΚΤΗ Σουηδίας και το METROPOLIA Φινλανδίας θεωρούνται πρωτοπόροι σε θέματα Γραφικών Τεχνών. Ανάλογα και το TFH-Berlin.</p> <p>Οι δραστηριότητες στο πλαίσιο του έργου είναι η διοργάνωση και ο συντονισμός, η διαμόρφωση και συγγραφή των μαθημάτων και η επιτυχής διαχείριση, διεξαγωγή και αξιολόγηση του εντατικού προγράμματος. Το κύριο παραδοτέο του έργου θα είναι το καινοτομικό πρόγραμμα σπουδών με υψηλή προστιθέμενη αξία, στις ραγδαία αναπτυσσόμενες τεχνολογίες και πεδία του ευρύτερου χώρου των Γραφικών Τεχνών και Μέσων (media), με έμφαση σε επιλεγμένα θέματα που θα επηρεάσουν σημαντικά τον σχεδιασμό και την παραγωγή των μέσων οπτικής επικοινωνίας.</p> <p>Η διάδοση των αποτελεσμάτων θα γίνει μέσω των ιστοσελίδων, του φόρουμ επικοινωνίας, της πλατφόρμας τηλεδιάσκεψης (που διαθέτει το ΕΑΠ) αλλά και της ανακοίνωσης σε Δελτίο Τύπου. Το περιεχόμενο της διδακτέας ύλης θα προταθεί για ενσωμάτωση, ως παράλληλο κείμενο ή στον κύριο κορμό, του Μεταπτυχιακού Προγράμματος Εξειδίκευσης «ΓΡΑΦΙΚΕΣ ΤΕΧΝΕΣ –ΠΟΛΥΜΕΣΑ» του ΕΑΠ ενώ ανάλογες ενέργειες θα γίνουν και στα ΤΕΙ Αθήνας.</p> <p>Η συγκεκριμένη υποβολή πρότασης προέκυψε μετά από μια προπαρασκευαστική επίσκεψη, που έλαβε χώρα το Νοέμβριο του 2008 στη Σουηδία και Φινλανδία και η οποία χρηματοδοτήθηκε από πρόγραμμα Erasmus.</p>
Coordinator	ELLINIKO ANOIKTO PANEPISTHMIO G PATRA 05
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Partners	<p>D BERLIN04 TFH University of Applied Sciences - Berlin - DE G ATHINE34 Technologiko Ekpaideutiko Idrima –TEI Athinas - GR SE-STOCKHO 04 Royal Institute of Technology - SE SF- HELSINK 41 Helsinki Metropolia University of Applied Sciences - FI</p>
LLP Grant	46.837,00 €

Planned number of students	28	
Working language	EN-English	
Activity duration - Location	Activity duration (in days): 10 Location: Patras	Activity duration (in days): N/A Location: N/A

Project number	2009-1-GR1-ERA10-01961	
Country/National Agency of the project coordinator	Greece [GR1]	
Title	From Chemistry to Biology and Medicine via Metals	
Year when first awarded an IP grant (funding available for maximum 3 years)	2009	
Subject area code	421 - Biology and biochemistry 442 - Chemistry 721 - Medicine	
Description	<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>	
Coordinator	PANEPISTIMIO KRITIS G KRITIS01	
Contact person	Athanasios Coutsolelos Address: Voutes Campus, PO Box 2208 Post code - City: 71003 Heraklion Country: GR-Greece Phone: +00302810545045 +00302810545036 (lab) Email: Web site: http://www.chemistry.uoc.gr/coutsolelos/	
Partners	D LUBERCK01 UNIVERSITÄTETZU LUEBECK - DE F PARIS011 Université Paris-Sud (Paris 11) - FR F MARSEIL 03 Université Paul Cézanne, Aix-Marseille III - FR F PARIS 087 Ecole Normale Supérieure - FR F RENNES01 Université De Rennes1 - FR F STRASBO01 UNIVERSITE LOUS PASTEUR (STRASBOURG 1) - FR FPARIS05 Université Paris Descartes - FR I FERRARA01 Università degli Studi di Ferrara - IT UK LONDON049 THE SCHOOL OF PHARMACY, UNIVERSITY OF LONDON - GB	
LLP Grant	33.341,00 €	
Planned number of students	20	
Working language	EN-English	
Activity duration - Location	Activity duration (in days): 10 Location: Voutes Campus	Activity duration (in days): N/A Location: N/A

Project number	2009-1-GR1-ERA10-01951
Country/National Agency of the project coordinator	Greece [GR1]
Title	TECHNOLOGICAL EDUCATIONAL INSTITUTE OF LARISSA
Year when first awarded an IP grant (funding available for maximum 3 years)	2009
Subject area code	090 - Personal skills 31 - Social and behavioural science 345 - Journalism and reporting 345 - Management and administration
Description	<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 will provide 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 will run for three (3) academic years and take place in three different institutes/countries. TEI of Larissa will host the 1st year IP in September 2009.</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. The programme will also result in a Production Manuscript on how to manage international intensive courses.</p>
Coordinator	TECHNOLOGIKO EKPEDEFTIKO IDRIMA (T.E.I.) LARISSAS G LARISSA02
Contact person	<p>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:</p>
Partners	<p>A WIEN05 WIRTSCHAFTS - UNIVERSITÄT WIEN - PROJEKT-MANAGEMENT GROUP - AT BG SOFIA03 UNIVERSITY OF NATIONAL AND WORLD ECONOMY - BG</p>

	CZ HRADEC01 UNIVERZITA HRADEC KRÁLOVÉ - FAKULTA INFORMATIKY A MANAGEMENTU - CZ D KARLSRU05 UNIVERSITY 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 PIRKANMAA UNIVERSITY OF APPLIED SCIENCES - FI UK LOUGHBO01 LOUGHBOROUGH UNIVERSITY - GB	
LLP Grant	57.277,84 €	
Planned number of students	50	
Working language	EN-English	
Activity duration - Location	Activity duration (in days): 10 Location: Larissa	Activity duration (in days): N/A Location: N/A

Project number	2009-1-GR1-ERA10-01963
Country/National Agency of the project coordinator	Greece [GR1]
Title	Intensive Programme in Optical Imaging
Year when first awarded an IP grant (funding available for maximum 3 years)	2009
Subject area code	010b - Physics 010c - Chemistry 010d - Biology
Description	Intensive course in Optical Imaging. 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. This 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.
Coordinator	PANEPISTIMIO KRITIS G KRITIS01
Contact person	Joseph Papamatheakis Address: Voutes Campus Post code - City: 71003 Heraklion Country: GR-Greece Phone: +302810 545211 +302810 545215 Email: papamath@rector.uoc.gr Web site:
Partners	B ANTWERP01 UNIVERSITY OF ANTWERP - 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 Université de Turin - IT NL LEIDEN01 Leiden University Medical Center - NL
LLP Grant	47.361,00 €
Planned number of students	40
Working language	EN-English
Activity duration - Location	Activity duration (in days): 10 Location: Heraklion

Project number	2009-1-GR1-ERA10-01957
Country/National Agency of the project coordinator	Greece [GR1]
Title	LIGHT
Year when first awarded an IP grant (funding available for maximum 3 years)	2009
Subject area code	14 - Teacher training and education science 143 - Training for pre-school teachers 144 - Training for teachers at basic levels 14 - Teacher training and education science
Description	<p>Objectives: To develop a strong multidisciplinary approach-cooperation of different HEI departments on Cultural Studies of Science Education. The I.P. Project brings a strong innovation in Science Education in early grades by communicating the ways children are educated in the scientific topic of "Light" in a scientific museum or centre or laboratory, based on the philosophy of the "hundred skills", regarding the multiple communicative and elaborative capabilities of the children. The participant Countries are all characterized by strong scientific and educational backgrounds of cultural studies in science education. 1)University of Naples is expertise in outdoors science education in the unique scientific centre of Italy "Città della Scienza". 2)University of Ioannina does scientific research on the innovation of using cultural-historical-activity theory (CHAT) in Science Education. This approach takes into consideration the whole learning and teaching context including tools, subjects, objects, community rules, and division of labour. 3)University of Eindhoven is building a CHAT network in Europe, establishing a new emerging agenda on Cultural Studies of Science Education. 4)The University of Cyprus is expertise in psychological approach on science education and especially on the ways of building the inquiring mind and of developing critical thinking. 5)University of Minho is expertise in Biology Education and school science textbooks. 6)At the University of Kalmar is used the concept of "Nature of School Science" (NOSS). 7) The College of Dublin City University is expertise to open and distance learning (VLEs and Video/Web conferencing) in science teacher education.</p> <p>Furthermore the construction of an interactive website with modules that will be hosted in each participant university will guarantee the dissemination of the results of the IP in Europe. Furthermore it will promote discussion in Nations facing new approaches in science education towards the culture, the environment and the society and will promote further teaching of the topic of "Light" in undergraduate courses. Duration: 3 academic years: one meeting per year in different participated country. Target groups: Early Childhood and Primary School Teacher students. The IP will be open also to Science Teachers (Physics, Chemistry, Mathematics, Biology, etc.). It ties to the existent undergraduate programmes as a free choice course providing 5 ECTS. Activities: For 2 weeks, 5-6 Students and 2-3 Teachers from each University will participate to: interactive activities; simulated cases discussions; multidisciplinary approaches of "hundred skills" on most relevant case-studies; round-table and plenary discussions; lectures from Teachers and Professionals involved in the relevant field; quality evaluation of all activities. Outputs: The innovative curriculum formed in a teaching module on the website www.uoi.gr/hundredskills. The website will be used to spread the results of the IP. A CD/DVD with the IP content will be widely distributed. In perspective our Students, in due time involved in the teaching and other professions, will disseminate the results among Colleagues and Students.</p>
Coordinator	Panepistimio Ioanninon G IOANNIN 01
Contact person	Katerina Plakitsi Address: Dept. of Pre-School Education, University Campus, Dourouti Post code - City: 45110 Ioannina Country: GR-Greece Phone: +302651095771 +302651049357 Email: kplakits@cc.uoi.gr Web site:
Partners	CY NICOSIA01 Panepistimio Kyprou - CY I FIRENZE 01 UNIVERSITA' DEGLI STUDI DI NAPOLI FEDERICO II - IT IRL DUBLIN 07 ST. PATRICK'S COLLEGE (A COLLEGE OF DUBLIN CITY UNIVERSITY) - IE

	NL EINDHOV 17 TECHNISCHE UNIVERSITEIT EINDHOVEN - NL P BRAGA01 Universidade do Minho - PT S KALMAR01 HOEGSKOLAN I KALMAR - SE	
LLP Grant	84.598,00 €	
Planned number of students	42	
Working language	EN-English	
Activity duration - Location	Activity duration (in days): 10 Location: University of Ioannina	Activity duration (in days): N/A Location: N/A

Project number	2009-1-GR1-ERA10-01956
Country/National Agency of the project coordinator	Greece [GR1]
Title	Conservation Biology in Europe: building a coherent strategy for the future
Year when first awarded an IP grant (funding available for maximum 3 years)	2009
Subject area code	422 - Environmental science 852 - Natural environments and wildlife
Description	<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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Partners	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
LLP Grant	32.173,00 €
Planned number of students	15
Working language	EN-English

Activity duration - Location	Activity duration (in days): 10 Location: Papingo Activity duration (in days): N/A Location: N/A	Activity duration (in days): N/A Location: N/A
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Project number	2009-1-GR1-ERA10-01952	
Country/National Agency of the project coordinator	Greece [GR1]	
Title	People and Space in the Borderland of Western Macedonia: tracing historical, social and intercultural features	
Year when first awarded an IP grant (funding available for maximum 3 years)	2009	
Subject area code	14 - Teacher training and education science 22 - Humanities 482 - Computer use 14 - Teacher training and education science	
Description	<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 28 June - 9 July 2010. Aiming at supplying content as well as procedural knowledge to the participants, the project will include seminars, workshops and experiential, first-hand inquiry activities. 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. 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>	
Coordinator	Panepistimio Ditikis Macedonias, Ellada. Tmima Dimotikis Ekpedefsis G KOZANI02	
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Partners	NL LEEUWAR01 NHL UNIVERSITY - NL SI LJUBLJA01 UNIVERSITY OF LJUBLJANA; FACULTY OF PHARMACY - SI	
LLP Grant	22.471,00 €	
Planned number of students	30	
Working language	EN-English	
Activity duration - Location	Activity duration (in days): 10 Location: Florina	Activity duration (in days): N/A Location: N/A

Project number	2009-1-GR1-ERA10-01969
Country/National Agency of the project coordinator	Greece [GR1]
Title	Applications of Electronics in Plasma Physics
Year when first awarded an IP grant (funding available for maximum 3 years)	2009
Subject area code	441 - Physics 522 - Electricity and energy 523 - Electronics and automation
Description	<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 (www.hiper-laser.org) 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"> 1) Applications of modern electronics in Plasma Science & Technology. 2) X ray production by discharged devices and applications in Plasma diagnostics. 3) Plasma Physics Principles for Laser Driven Fusion. 4) Optoelectronics technologies for the development of laser infrastructures for laser fusion applications. 5) Energy production in industrial scale by Laser Driven Fusion. <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> <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.</p> <p>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.</p> <p>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</p>

Project number	2009-1-GR1-ERA10-01966
Country/National Agency of the project coordinator	Greece [GR1]
Title	Small Scale Renewable Energy Sources and Energy Saving
Year when first awarded an IP grant (funding available for maximum 3 years)	2009
Subject area code	422 - Environmental science 522 - Electricity and energy
Description	<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"> - Renewable energy sources (RES) in the building sector. - Energy saving and comfort in buildings. - Distributed generation in power systems using RES technologies. - Stand-alone applications of RES technologies. <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 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>
Coordinator	Technological Educational Institute of Crete (TEIC) GR KRITIS04
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Partners	<p>CZ PRAHA10 Czech Technical University in Prague - CZ D 14 BERLIN 14 University of Applied Sciences in Berlin - DE G ATHINE01 National & Kapodistrian University of Athens - GR RO BRASOV 01 University TRANSILVANIA of Brasov - RO UK UXBRIDG01 Brunel University - GB</p>
LLP Grant	33.974,00 €
Planned number of students	30
Working language	EN-English
Activity duration - Location	<p>Activity duration (in days): 10 Location: TEI of Crete</p>

Project number	2009-1-GR1-ERA10-01925	
Country/National Agency of the project coordinator	Greece [GR1]	
Title	Sustainable land management and climate change- case studies in different regions of Europe	
Year when first awarded an IP grant (funding available for maximum 3 years)	2009	
Subject area code	422 - Environmental science 62 - Agriculture, forestry and fishery 852 - Natural environments and wildlife	
Description	<p>Objectives:</p> <ul style="list-style-type: none"> - to provide training in integrated sustainable land use and environmental management to environmental, geography and tourism students, - to give students stimulating intensive field training within a European environment - to address sustainability issues in the context of conflicting demands on land use in new and unfamiliar environments for the students, - to allow students to confront their own different academic perspectives on land use and sustainability <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"> - ECTS credits for successful students, - Increased understanding by students of the perspectives of other Europeans and of other academic backgrounds, - Enhanced working relations between staff from participating institutions. 	
Coordinator	UNIVERSITY OF THE AEGEAN, DEPARTMENT OF GEOGRAPHY G Athine 41	
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Partners	D EBERSWA01 Fachhochschule Eberswalde - DE E LLEIDA01 UNIVERSITAT DE LLEIDA - ES FI OULU 11 Oulu University of Applied Sciences - FI PL SZCZECI02 West Pomeranian University of Technology, Szczecin - PL UK LONDON142 London Metropolitan University - GB	
LLP Grant	39.427,50 €	
Planned number of students	30	
Working language	EN-English	
Activity duration - Location	Activity duration (in days): 10 Location: Lesbos, Greece	Activity duration (in days): N/A Location: N/A

Project number	2009-1-GR1-ERA10-01965
Country/National Agency of the project coordinator	Greece [GR1]
Title	Computing Aspects of Computer Games Development
Year when first awarded an IP grant (funding available for maximum 3 years)	2009
Subject area code	48 - Computing 481 - Computer science
Description	<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 perspective 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. It has been agreed among partners that the first year will take place in Brno, Czech Republic, the second year in La Rochelle, France and the third year in Crete, Greece.</p>
Coordinator	TECHNOLOGICAL EDUCATIONAL INSTITUTE OF CRETE GR KRITIS 04
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Partners	<p>B LIEGE 38 Higher Education Institution of the Province de liège (HEPL) - BE CZ BRNO 01 Brno University of Technology (BUT), Czech Republic - CZ D KIEL 03 Kiel University of Applied Sciences - DE E VALLADO01 Universidad de Valladolid - ES F LA-ROCH08 Université de La Rochelle - FR G THESSAL 01 ARISTOTELEIO PANEPISTIMIO THESSALONIKIS - GR UK PONTYPR01 University of Glamorgan - GB</p>
LLP Grant	45.128,00 €
Planned number of students	48
Working language	EN-English
Activity duration - Location	<p>Activity duration (in days): 10 Location: La Rochelle</p>

Project number	2009-1-GR1-ERA10-01962
Country/National Agency of the project coordinator	Greece [GR1]
Title	SYNAPS: Synthesis and Retrosynthesis in the Chemistry of Natural Products
Year when first awarded an IP grant (funding available for maximum 3 years)	2009
Subject area code	442 - Chemistry
Description	<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. 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 year 2009 and is now submitted for re-evaluation for a second year extension.</p>
Coordinator	PANEPISTIMIO KRITIS
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Partners	<p>D LEIPZIG01 UNIVERSITÄT LEIPZIG - DE I FIRENZE 01 UNIVERSITA' DEGLI STUDI DI FIRENZE - IT I ROMA01 Università degli studi di Roma "La Sapienza" - IT</p>
LLP Grant	23.615,00 €
Planned number of students	25
Working language	EN-English
Activity duration - Location	<p>Activity duration (in days): 10 Location: Heraklion</p>

Project number	2009-1-GR1-ERA10-01964
Country/National Agency of the project coordinator	Greece [GR1]
Title	IP-TEMU INTENSIVE PROGRAMME IN TELECOMMUNICATIONS AND MULTIMEDIA
Year when first awarded an IP grant (funding available for maximum 3 years)	2009
Subject area code	481 - Computer science
Description	<p>The IP aims at the introduction of the current technology and at the development in the field of technology of Telecommunications and MultiMedia. 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>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>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 schemes and base band processing in digital broadcasting, Real-Time Communication and its Quality in IP Networks, Wireless communication systems, Multimedia technologies and applications, Quality of Management e.t.c.</p> <p>The proposed IP TEMU is immediately related with the syllabi of the collaborating institutions and will allow the collaborating professors and students become familiar with new subjects which are based on the specialization and experience of other other collaborators. Also happened with the previous IP, the opportunity will be given to the collaborating institutions to plan and to develop the development of a joint educational programme and research, and a Master which will have as its base the IP and the students who attend it to primarily come from the IP TEMU.</p>
Coordinator	TECHNOLOGICAL EDUCATIONAL INSTITUTE OF CRETE GR KRITIS04
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Partners	<p>B KORTRIJ 01 KATHOLIEKE HOGESCHOOL ZUID-WEST-VLAANDEREN - BE D DUSSELD03 Fachhochschule Duesseldorf - DE DK HORSSENS03 VIA University College, School of Technology & Business - DK DK ODENSE 01 University of Southern Denmark - DK G Patra01 University of Patras - GR PL BYDGOSZ02 Uniwersytet Technologiczno - Przyrodniczy - PL TR MUGLA01 Mugla University - TR</p>
LLP Grant	46.729,60 €
Planned number of students	48
Working language	EN-English

Activity duration - Location

Activity duration (in days): 10

Location: Heraklion