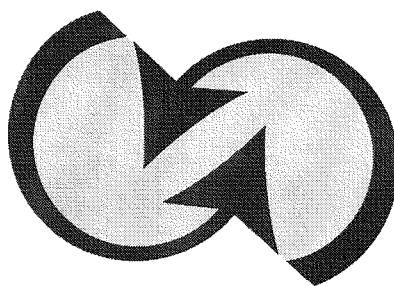




**Sixth Framework Programme
2002 - 2006**

**SCIENCE EDUCATION
FP6 CONTRACTS**



SCIENCE and SOCIETY

European Science Education Initiative - FP6-2003-Science-and-society-5

SAS6-CT-2003-511165 PENCIL - Permanent European Resource Centre for Informal Learning	
Coordinator	BE – ECSITE (Association Européenne des Expositions Scientifiques, Industrielles Et Techniques) Catherine Franche Tel. +32 2 649 73 83 Fax +32 2 647 50 98 cfranche@ecsite.net www.ecsite.net
Partners	GB - National Marine Aquarium IT - Istituto E Museo Di Storia Della Scienza FR - Association Savoir Apprendre FI - Tiedekeskussäätiö NL - National Center for Science and Technology DE - Deutsches Museum DK - Center For Formidling At Naturvidenskab og Moderne Teknologi PT - Ciência Viva - National Agency For Scientific And Technological Culture, Lisbon IT - Fondazione Idis-Città Della Scienza Onlus IL - Bloomfield Science Museum Jerusalem FR - Semecel BE - Technopolis SE - Universeum Ab GR - Ellinogermaniki Agogi S.A. BE - EUN Parterships Aisbl IT - Centro di Ateneo per l'Orientamento la Formazione e la Teledidattica dell' Università Degli Studi Di Napoli Federico II GB - King'S College, London IT - Istituto Nazionale di Documentazione per l'Innovazione e la Ricerca Educativa
<p>The PENCIL project is coordinated by the ECSITE network of museums and science centres and has two main components. First, it will combine field programmes and academic research to identify what makes an informal science learning activity into a high quality tool for science teaching. 14 science centres/museums will use pilot projects to create mini-networks involving schools, pupils, teachers associations, research laboratories, educational authorities, and education and science communication specialists. These will be monitored and assessed by a "resource centre" that identifies the criteria of innovation and quality of successful projects.</p> <p>Secondly, PENCIL includes the European Science Education Portal (ESEP), to be operated by European Schoolnet, a unique international partnership of 26 Ministries of Education from Europe and beyond, encouraging communication and information exchange at all levels of school education using innovative technologies, and acting as a gateway to national and regional school networks. EUN already operates an established web portal that is extensively used by thousands of European science teachers. ESEP will serve as a gateway to all NUCLEUS resources, activities, and events as well as a wealth of information about issues related to European science teaching. ECSITE will stimulate other members to contribute to the content of the portal and will go on doing this after the end of the initial contract.</p>	

SAS6-CT-2003-511114 CISCI - Cinema and Science	
Coordinator	AT - Atominstitut of the Austrian Universities - Vienna University of Technology Heinz Oberhummer Tel.: +43/1/58801/14251 (TU Wien) Fax: +43/1/58801/14299 Email : ohu@kph.tuwien.ac.at
Partners	DE - R&R. Com Renk&Reyerros EE - Oü Miksike AT - Behacker & Partner Oeg SI - Amnim D.O.O., Center Za Znanstveno Vizualizacija LV - University Of Latvia IT - Istituto Di Fisica Generale Applicata CZ - Association Biotrin MT - Acrosslimits GB - Pira International Ltd US - Joint Institute Of Nuclear Astrophysics
<p>CISCI is part of a collective project on science teaching: NUCLEUS CISCI includes 11 partners from across Europe and will combine the two most popular media among youngsters, namely movies and the Internet, aiming to raise the attractiveness of science while dispelling widely-spread misconceptions that arise from pseudoscience. The idea of CISCI is to set up a web-based platform containing clips from films and videos with scientific themes, analyzing their scientific content from the point of view of many different disciplines, and providing new classroom resources based on these clips.</p>	

SAS6-CT-2003 511180 ESTI - EIROforum European Science Teachers Initiative	
Coordinator	FR - European Space Agency Helen Page (ESTEC Education Office, NL) Tel +31 71 565 5518 Fax +31 71 565 5590 Helen.Page@esa.int
Partners	CH - European Organization For Nuclear Research DE - European Southern Observatory DE - European Molecular Biology Laboratory FR - European Synchrotron Radiation Facility FR - Institut Laue-Langevin
<p>Coordinated by the EIROforum, ESTI combines two elements: Science on Stage (SOS) and a new Journal of European Science Teaching (JESTI). Formerly known as "Physics on Stage," also sponsored by the Commission and the EIROforum, SOS is a cycle of science teaching festivals with dozens of national events across Europe culminating in an international festival every two years. Alongside seminars conducted by top scientists and numerous workshops, the festival includes a major teaching prize and a fair in which teachers show off and exchange their best ideas. SOS will be held twice during the NUCLEUS project. The Journal will showcase the best of European science teaching from Nucleus and many other sources – offering concrete teaching activities, explaining cutting-edge science, highlighting new ideas, best practices, informing teachers of events, resources, and places to go for help, spotlighting young scientists and great teachers, etc.</p>	

SAS6-CT-2003- 511164 SCIENCEDUC - Renovation of science teaching in European primary education with inquiry methods	
Coordinator	FR - Ecole Normale Supérieure de Paris Pamela Lucas tel +33 1 58 07 65 97 fax +33 1 58 07 65 91 pamela.lucas@inrp.fr
Partners	SE - Royal Swedish Academy of Sciences EE - University of Tartu HU - Apor Vilmos Catholic College PT - Ciencia Viva - Agencia Nacional para a Cultura Cientifica e Tecnológica
<p>SCIENCEDUC aims at renovating science education in elementary schools through the establishment of a Network that will enhance exchanges and the development of good practices in science teaching in primary schools over Europe. This network will focus on teachers, training, evaluation, on-line projects and the dissemination of good practices. The project is coordinated by the Ecole Normale Supérieure (Paris) in partnership with Tartu University (Estonia), La main à la pâte – Académie des sciences (France), Apor Vilmos Catholic College (Hungary), Ciência Viva (Portugal), and NTA- Royal Swedish Academy of Sciences (Sweden) – all partners having a solid background in inquiry-type teaching (questioning, hypotheses, observation, experimentation, team-work and written expression).</p>	

- **Science education and careers - FP6-2004-Science-and-society-11**

SAS6-CT-2005-019171	
PROMISE - Promotion of Migrants in Science Education	
Coordinator	AT - European Training & Research Centre for Human Rights & Democracy (ETC Graz) Klaus Starl Tel.: +43 (0)316 322 888 23 Fax.: +43 (0)316 322 888 4 e-mail: klaus.starl@etc-graz.at
Partner	AT - University of Vienna - Institute for Theoretical Physics; Science Education Group DE - Humboldt-Universität Zu Berlin - Institut für Physik, Didaktik der Physik. BA - University Of Sarajevo - Physics Department, Faculty Of Science TR - Yildiz Technical University - Science Education, Faculty of Education DE - Gesamtverband Der Metallindustriellen Arbeitgeberverbände E.V. - Presse- und Öffentlichkeitsarbeit
<p>The objective of the project is to promote migrants in science education and in choosing science careers. The migrants addressed are children of immigrants for economical and political reasons. There will be a focus on intense cooperation between countries of origin and countries of residence, in order to harmonise the different methods and standards in science education. These differences in science education in addition to linguistic and cultural communication problems are considered to hamper a successful integration of migrants. The goal will be achieved by a threefold package of activities:</p> <ol style="list-style-type: none"> 1) direct promotion of migrant girls at universities by establishing CLUBS LISE, a girls working group on topics of science, to promote the choice of science studies for migrant girls as an underrepresented group in science. 2) To affect a medium-term promotion of migrants in science education PROMISE-teams consisting of teachers and education scientists will cooperate with experts of migration, language and intercultural research in order to collect and develop new methods and best practices in science education considering the linguistic and cultural diversity of classes. 3) To establish a long-term promotion of migrants, specific teacher trainings will be institutionalised. For the purpose of harmonisation of methods of science education a dialogue between countries of origin and residence, between universities and schools, will be established. 	

SAS6-CT-2005- 020577 PlasciGardens - Plant Science Gardens: Plant Science Education for Primary Schools in European Botanic Gardens	
Coordinator	AT - Universität Innsbruck - Institut für Botanik Suzanne Kapelari Tel +43 512 507 5943 Fax +43 512 507 2715 Suzanne.Kapelari@uibk.ac.at
Partners	GB - University Of London - Institute of Education IT - Museo Tridentino Di Scienze Naturali - Sezione Botanica BG - University Of Sofia St.Kliment Ohridski - University Botanic Garden Sofia GB - Royal Botanic Gardens Kew - Horticulture and Public Education (HPE)/Education Section
<p>The project targets the objectives of promoting young people's interest in science, science education and scientific careers and supports European Union policy aiming for a sustainable development. It is designed to improve plant science education in primary schools through establishing partnerships between primary schools and their local botanic garden. An inquiry centred, multilingual, multicultural plant science education tool about plant diversity is prepared as an electronic and printed version. It will have 4 parts: a Teachers' Pack, to support teachers in class, an Activity Program implemented by the local botanic garden, Teaching Resources to be used at the botanic garden and in class after the visits and a manual for Teacher Training Seminars.</p> <p>To achieve these goals workgroups will be established in four European countries (UK, Italy, Bulgaria, and Austria). National groups (NG) will include primary school teachers, a head teacher, education authorities and botanic garden educators.</p>	

SAS6-CT-2005- 020817 ECFUN - European Children's Future University Network	
Coordinator	AT - University Of Vienna – Children Office - Rectors Office Christian Gary Tel +43-1-4277-10708 Fax +43-1-4277-9107 christian.gary@univie.ac.at
Partners	AT - Ice-Vienna Internet Center For Education netbridge AT - Boc Information Technologies Consulting Gmbh SK - Comenius University In Bratislava - International Office MT - Future Action Foundation (Malta) SE - Stifelsen Teknikens Hus PL - Politechnika Warszawska (Warsaw University of Technology) - Faculty of Mathematics & Information Science
<p>ECFUN builds up the virtual platform www.universiYOU.net by bringing together local activities and experiences of European Universities and Foundations that try to attract children's and young people's interest in science. The aim is to provide didactically outstanding scientific content for children deriving from underrepresented groups and build up a future network – both in cyberspace and real life. The virtual platform www.universiYOU.net provides the opportunity for children to learn more about what the scientific world is based upon. It will encourage them to take up further studies in science and will make research visible in a manner that is attractive, innovative and exciting for them. Main goal is to share the fascination of putting things in question – in a scientific way.</p> <p>Furthermore, biographies of female and male European scientists will serve as role models with respect to the target group.</p> <p>Interactive discussion boards and forums will provide an opportunity for children to personally get in contact with scientists and also to communicate with other children with similar interests all over Europe.</p> <p>The main target group are those who have not had any chance to get in touch with the academic world yet. They will be given the option to learn more about the excitement of science and about future possibilities for them in science as profession.</p>	

SAS6-CT-2005- 021028	
WasteWaterResource - Play with Water: Introducing Ecological Engineering to Primary Schools to Increase Interest and Understanding of Natural Sciences	
Coordinator	CH - University Of Applied Sciences Waedenswil - Department Natural Resource Sciences Ranka Junge Tel +41 44 789 99 22 Fax +41 44 789 98 53 r.junge@hsw.ch
Partners	DK - University Of Aarhus - Department of Biological Sciences, Plant Biology SI - Limnos Podjetje Za Aplikativno Ekologijo D.O.O. - Water Research NO - Universitetet for miljø- og biovitenskap DE - Bildungs- Und Demonstrationszentrum Für Dezentrale Abwasserbehandlung - Research and development SE - Regnbågen Fisk Kb
<p>The aim of this Coordination-Action is to assemble and assess comprehensive teaching and demonstration material which should enable all primary school children (ISCED 1 Level of Education according to UNESCO) to discover basic concepts of ecology and obtain hands-on experience in cycling of elements in nature, and thus the potential of wastewater as a resource.</p> <p>Due to the universal appeal of nature to children these systems have a great potential to integrate both sexes as well as "disadvantaged and underperforming" groups such as immigrant children. These classroom systems will result from ongoing research in nature-oriented systems, and will reflect today's best available technology. The contributions of the network partners will help to disseminate best available technology from different regions of Europe. The systems developed by the partners represent not only a way to handle waste and wastewater or to reuse nutrients; they are also highly suitable to demonstrate the paths of waste in nature and their influence on the ecosystem. The classroom systems will be designed to be low cost and easy to assemble and maintain by the children. They will serve as motivation tools to ask questions about nature, to experiment with ecosystems, measure and interpret data and thus explore the natural processes and even, in a first moderate step, to experience hypothesis driven research.</p>	

SAS6-CT-2005- 020772 PHYSFUN - Physics is Fun	
Coordinator	PL - Pomeranian Pedagogical Academy in Slupsk Grzegorz Karwasz Tel +49-59-8405331 Fax +49-59-8405339 karwasz@science.unitn.it
Partners	FR - École Centrale Paris and ECP Student Association IT - University of Trento, Physics Department IT - Dudka-Design PL - Ambernet Sp. z o.o. PL - "Soliton", Records Company PL - "Foton", Physics Institute, Jagellonian University
<p>The programme "Physics is Fun" aims to bring closer to the Society a difficult (and often dull) subject as Physics, using modern tools and visual didactical methods ("toys").</p> <p>It enters into initiatives of "World Year of Physics, 2005". The initiative is based on previous experience in Italy and in Poland, with numerous editions at regional and subsequently at national level. The project plans to bring these exhibitions to the European level.</p> <p>The outcome of the programme will be:</p> <ul style="list-style-type: none"> - 3 exhibitions with panels and real-objects, open to wide public, - 1 CD-ROM on "Physics and Toys"; (in 4 language versions), - 1 CD-ROM on "On the Track of Modern Physics" (in 3 language versions) - 1 thematic issue of "Foton" Journal entitled "Physics is Fun" (in Poland). <p>The primary objective is to present Physics as easy and even funny, making it understandable and attractive for average-level public. The secondary objective is to raise the social consciousness of Modern Physics, by presenting both <i>achievements</i> and <i>open problems</i>; in pure Physics and Applied Sciences, in <i>non-standard</i> ways.</p>	

SAS6-CT-2005- 020778 ROBERTA-EU - Roberta goes EU	
Coordinator	DE - Fraunhofer-Gesellschaft Zur Förderung Der Angewandten Forschung E.V. Fraunhofer-Institut Für Autonome Intelligente Systeme (Ais) Gerhard K. Kraetzschmar Tel +49-2241-142774 Fax +49-2241-142324 gerhard.kraetzschmar@fh-bonn-rhein-sieg.de
Partners	/
<p>Roberta-EU addresses the lack of female engineers by raising girls' interest for technical professions. Roberta-EU uses robotics as a holistic approach to gain knowledge in IT, electrical engineering, and mechanics. Courses are tailored towards gender related issues using robot construction kits and offer hands-on experience. This setting is well suited to create interest and even enthusiasm for technical subjects in a school context.</p> <p>Roberta-EU provides training courses and comprehensive teaching materials for primary and secondary school children. The objective of Roberta-EU is to promote the 'best practice' experience made in the German Project Roberta to the European level. The main objectives are</p> <ol style="list-style-type: none"> 1. set-up a dissemination network of regional centres to promote the ideas behind Roberta to several European countries. 2. <i>teach the teachers</i> to use "robot construction kits in schools" as a means to teach interdisciplinary technical contents especially - but not only - for girls 3. assess, document and evaluate the experiences made in courses performed in these new regional centres. Promote the inclusion of these didactic course elements into national curricula. <p>The Roberta-EU network will connect already established activities. Activities should focus under the brand 'Roberta' in order to propagate technical education in the public and towards curricula. Roberta-EU includes an advisory board. The members of the advisory board are well recognized scientists with experience in education using robotics. They will give publicity and prestige to the project. They will propagate Roberta-EU in their countries by finding appropriate regional centres, by giving advice in order to consider local peculiarities (school system, culture), and by supporting the introduction of Roberta methods to national curricula.</p>	

SAS6-CT-2005- 019154 Hands-on & Brains-on - Hands-on science teaching: combining formal and informal science learning	
Coordinator	FI - Tiedekeskussäätiö (Heureka) Hannu Sakari SALMI Tel +358-98579263 Fax +358-98734142 hannu.salmi@heureka.fi
Partners	NL - National center for Science and Technology (NEMO) BE - FlandersTechnology International Foundation (Technopolis) IT - Fondazione Museo Nazionale della Scienza e della Tecnologia Leonardo da Vinci HU - Palace of Miracles charity EE - SA Tallinna Tehnika- ja Teaduskeskus Energiakeskus BE - Association Européenne des Expositions Scientifiques, Techniques et Industrielles (ECSITE) GR - ELLINOGERMANIKI AGOGI SA DK - Center for Formidling af Naturvidenskab og Moderne Teknologi (EXPERIMENTARIUM) SW - Högskolan Dalarna BE - EUN Partnership AISBL (EUN)
<p>Science centres and museums have been pioneering with hands-on learning and teaching in Europe during the last decades. The multidisciplinary contents of modern science centre exhibitions are large and unique forming a reliable learning source. Now, a network of eight institutions between science centres and museums is developing their educational programmes for primary schools in co-operation with school authorities, teacher education institutes, and schools, to create an European network linking formal and informal learning with all-European organisations ECSITE and EUN and ESHA. The main target group is primary school teachers. The goal is to use modern, interactive science exhibitions combining the best practices of informal learning and formal education. The objective is to identify key elements within the curricula in different countries in order to teach pupils about the scientific research process using learning to make observations in science centres and teaching to make observations at school. The science centres will use the pedagogical expertise of the teachers and teacher training institutes as well as the curriculum development input by the educational authorities. In addition, the latest research results related to the effect of informal learning sources to the career choices of young people – especially girls – are utilised and further developed in this project. The aim of hands-on-based methods is not only to produce more scientists and technologists; it is also to produce a new generation of citizens who are scientifically and technologically literate. Using ICT strategies is the main element for the development of European co-operation and for the dissemination of the results. The project is also directly linked to several other European projects (PENCIL, CONNECT, CELEBRATE) with the theme "Science is Primary" giving added value and synergy for formal and informal hands-on science learning clearly supporting the goals of the Lisbon Agenda.</p>	

SAS6-CT-2005- 518399 POLLEN - Seed Cities for Science	
Coordinator	FR - Ecole Normale Supérieure de Paris - La Main à la Pâte David JASMIN Tel +33-158076595 Fax +33-1580765951 david.jasmin@inrp.fr
Partners	BE - Université Libre de Bruxelles EE - Université of Tartu DE - Freie Universität Berlin IT - Consortium Innovation Training Educational Inquiry NL - Universiteit van Amsterdam PT - Ciência Viva – Agencia Nacional para a Cultura Científica e Tecnológica ES - P.A.U. Education SE - Royal Swedish Academy of Sciences UK - University of Leicester HU - Apor Vilmos Catholic College SL - University of Ljubljana – Faculty of Education
<p>Pollen aims at developing a model for the renewal of science education in primary schools based on inquiry approach already successfully experimented in most of the 12 participating countries. Through this approach, children develop autonomy, critical thinking, language skills, enthusiasm for science and technology... As for teachers, they no longer consider science as too difficult to be taught, since they benefit from support and resources. The whole community, including children, teachers, parents and scientists, is involved.</p> <p>Pollen will develop a local approach based on community participation. It will create 12 interacting <i>seed cities</i> which, after 31/2 years, will have consolidated in their schools a quality teaching of science following <i>inquiry</i> principles and supported by exchanges within the local community.</p> <p>Pollen will build upon successful national projects, the European network SCIENCEDUC and the implication of prestigious scientific bodies. It will address critical issues such as attitudes of children towards science, involvement of the scientific community, social conditions... In order to amplify the added value of the exchanges, common methodological and organisational schemes, such as tools for teachers and trainers, e-center, evaluation and dissemination strategies will be shared. At Pollen's conclusion, a charter for primary science education shall summarize the strategy in order to pave the future for a sustainable extension to other territories in Europe. The Pollen evaluation of children's attitudes towards science should be a significant contribution to restore the attractiveness of scientific careers.</p>	

SAS6-CT-2005- 020790 ESCALATE - Enhancing SCience Appeal in Learning through Argumentative inTERaction	
Coordinator	IL - The Hebrew University of Jerusalem - School of Education, Faculty of Humanities Baruch SCHWARZ Tel +972-2-5881064 Fax +972-2-5880037 msschwar@mscc.huji.ac.il
Partners	CH - Université de Neuchatel - Faculté des lettres et des sciences humaines /Institut de psychologie GB - Institute Of Education, University of London - Mathematics, Science and Technology GR - National and Kapodistrian University of Athens - Educational Technology Lab GR - Talent Information Systems Sa - R&D IT - Università di Salerno - Dipartimento di Scienze dell'Educazione FR - Université de Toulouse - Cognition, Communication & Development Laboratory Department of Develomental Psychology/ UFR
<p>The utilization of argumentation-based (A-B) methods in learning has spread in recent years. Science education started to move away from lessons that seek concept learning toward reasoning and communication argumentative activities. These activities are often ICT-mediated; an example is "our" DUNES environment (IST-2001-34153). Moreover, Science Education also favours an enquiry-based (E-B) approach where students can experiment with and create artefacts and models to do scientific work. An example is "our" LeGa project (GSRT-03-26) constituting a 3-d modeller for students to experiment and express ideas. Following recent research showing that engagement in experiencing and arguing (thus merging A-B and E-B), in which different opinions and perspectives arise from experience, is very important for science learning, we intend, in ESCALATE, to take up the results of our previous R&D work and (1) Implement, in real learning contexts, our approach to science learning by means of A&E-B methods and tools; (2) Conduct this implementation in parallel pilot studies/trials in schools and in informal science learning environments in France, Greece, Israel, Italy, Switzerland and UK; (3) Create a critical mass of teachers capable of maintaining the implementation beyond the project's life; (4) Prepare a volume describing the experience and issuing recommendations to guide similar initiatives; and (5) Operationally disseminate the results, mainly through the Kaleidoscope NoE (IST-FP6-507838).</p> <p>Auxiliary objectives & means: (a) The design of learning activities featuring argumentative discourse in science; (b) Training science teachers to design, animate & evaluate A&E-B activities in classrooms; (c) Using existing ICT tools to mediate discussions among students and to enable teachers' scaffolding; and (d) Vast dissemination.</p>	

- **Science education and careers 2005 - FP6-2005-Science-and-society-16**

SAS6-CT-2006-042942	
MaterialsScience - University-school partnerships for the design and implementation of research-based ICT-enhanced modules on Material Properties.	
Coordinator	CY University of Cyprus Constantinos CONSTANTINOU Tel +357-22753758 Fax +357-22753702 c.p.constantinou@ucy.ac.cy
Partners	IT University "Federico II" of Naples GR Aristotle University of Thessaloniki FI University of Helsinki ES University Autonoma of Barcelona GR University of Western Macedonia at Florina.
<p>The project aims to create a mechanism for integrating the results of science education research in school teaching practice for 10-15 year olds in the domain of Properties of Materials. It proposes to set up local working groups consisting of researchers and experienced science teachers with the remit to design, implement and evaluate teaching modules in the following areas: materials around us: everyday applications of metals, ceramics, plastics and composite materials; mechanical properties of composite materials; thermal insulators and their properties; electroluminescent materials; electromagnetic properties of materials; optical properties of materials and their application in telecommunications; chemical properties of materials.</p>	

SAS6-CT-2006-042938 Form-It - Form - it "Take part in research"	
Coordinator	AT Austrian Institute for Applied Ecology Celine Loibl Tel +43 1 523 61 05-29 Fax +43 1 523 58 43 loibl@ecology.at
Partners	AT Austrian Federal Ministry of Education, Sc. & Culture LT Kaunas University of Technology CH University of Zurich SI Jozef Stefan Institut NL National Institute for Curriculum Development IT Scuola di Specializzazione all'Insegnamento Secondario del Lazio (Università Roma) UK London Southbank University D Freie Universität Berlin D Robert Bosch Stiftung D University of Kiel (Leibniz-Inst. for Science education)
The consortium proposes a Specific Support Action for networking experts who work with and on new didactic concepts for science teaching. One of these new concepts is to systematically establish closer links between Schools and Universities. Such partnerships are considered to be innovative didactic models for developing the basic skills young people nowadays need for effective life long learning and for building scientific excellence.	

SAS6-CT-2006-042941 UPDATE - Understanding and Providing a Developmental Approach to Technology Education	
Coordinator	FIN University of Jyväskylä Päivi Fadjukoff Tel +358-14-260 2880 fax +358-14-260 4400 paivi.fadjukoff@jyu.fi
Partners	UK University of Glasgow FR Institut Universitaire de Formation des Maîtres de l'Académie d'Aix-Marseille RO Alexandru Ioan Cuza University RO Ovidius University of Constanta EE Tallinn University DE Dortmund University of Applied Sciences DE Universität Koblenz-Landau, Ada-Lovelace-Projekt DE Kompetenzzentrum Technik, Diversity, Chancengleichheit e.V. ES Fundació Catalana per a la Recerca i la Innovació SK Inst. of Philosophy at The Slovak Academy of Sciences AT Pädagogische Akademie des Bundes in Wien IT Istituto Regionale di Ricerca Educativa Marche GR Aristotle University of Thessaloniki ES Central Universidad Complutense De Madrid GR IDEC S.A.
The UPDATE project's aim is threefold: 1) to examine why girls drop out from technology education at different stages of their education, 2) to create new ways and educational methods to make the image of technology and technological careers more attractive for both boys and girls, and 3) to promote, encourage and mobilise especially girls and young women for engineering and technology both as a career, and as active users of modern technology.	

SAS6-CT-2006-042922 PARSEL - Popularity and Relevance in Science Education for scientific Literacy	
Coordinator	DE Leibniz Institute for Science Education Wolfgang GRÄBER Tel +49-431-8803165 Fax +49-431-8803263 wgraeber@ipn.uni-kiel.de
Partners	EE University of Tartu UK ICASE - International Council of Associations for Science Education PT University of Lisbon DK University of Southern Denmark IL The Weizmann Institute of Science SE Lund University DR Free University Berlin
Summary abstract	Noting trends in the science education literature, especially those related to the thrust for scientific and technological literacy and a better appreciation of the nature of science and cognitive, personal and social gains needed, the project sets out to identify teaching materials that bring practices by teachers in school closer to the advances put forward in the literature. The project will: create a network community from those working in the field of developing teaching /learning materials; assemble notions of 'best practice' from the diversity of considerations by partners; develop a model encompasses the range of philosophical consideration and approaches that lend themselves to a general develop of 'best practice' materials; modify existing exemplars to reflect the model. The project strives to make available alternative teaching materials to teachers to promote student interest of science in schools without alienating the teaching from the curriculum intentions.

SAS6-CT-2006-042894 EFSUPS - Exploring the Ground - Fostering Scientific Understanding in Primary Schools	
Coordinator	DE Wissenschaftsladen Bonn e.V. Norbert Steinhaus Tel +49 228 201 61 22 Fax +49 228 26 52 87 norbert.steinhaus@wilabonn.de
Partners	RO INTERMEDIU, "Politehnica" University of Bucharest, RO INTERMEDIU, Bacau, DE Fachhochschule Lippe und Höxter HU Community Outreach and Volunteer Center, and the Institute of Environmental and Landscape Management.
<p>The proposal aims at the development of further vocational training for child minder and teachers at primary schools. This project will identify and evaluate existing information and already available training material to foster scientific understanding in primary schools based on the education for a sustainable development (ESD). It will focus on "soil" issues. EFSUPS intends to develop the curriculum, simple experiments and practical offers for nature experience. The project will consider gender-fair didactics.</p>	

SAS6-CT-2006-042936 POPBL - School Science Teaching by Project Orientation - Improving the Transition to University and Labor Market for Boys and Girls	
Coordinator	DE Fachhochschule Oldenburg – University of Applied Sciences Maria KRUEGER-BASENER Tel +49-49218071819 Fax +49-49218071819 Krueger-Basener@technik-emden.de
Partners	DE Ministry for Science and Culture, Lower Saxony DE Integrierte Gesamtschule Aurich West DE BIP-Kreativitätszentrum gemeinnützige GmbH ES Humanities and Education Science faculty, Mondragon University ES Pasaia-Lezo Lizeoa Irakaskuntza Kooperatiba Elkartea ES Arizmendi Ikastola Kooperatiba Elkartea DK Esbjerg Tekniske Institut Aalborg Universitet DK Friskolen i Bramming CZ Czech technical University in Prague CZ Gymnasium Arabska FI Central Ostrobothnia Polytechnic University of Applied Science FI Kalajoen lukio FI Kokkolan yhteislyseon lukio RO GH. Asachi - Technical University of Iasi RO Ioan C. Stefanescu School Cluster RO Technical College Petru Musat-Succava
<p>The Consortium proposes a project that links the demand for science and technologies in industry and economy via the universities to schools. In order to achieve this goal the following objectives will be followed: 1. An analysis is done to understand and compare the strengths and weaknesses of school science teaching practices and methods across six different countries in Europe. Special efforts are made to analyze the role of women in this field. 2. On the basis of this analysis a pilot project with project oriented teaching is launched to demonstrate a teaching method with high motivation of young people, especially women, for sciences.</p>	

SAS6-CT-2006-042864 GAPP - Gender Awareness Participation Process: Differences in the choices of science careers.	
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Summary abstract	The GAPP project will establish an integrated process of qualitative research and develop new practices in science communication and education, to reach three well defined objectives: 1. to understand the loss of interest from young people, particularly girls, in science and technology studies and careers by exploring differences in their perception of S&T professionals, while raising awareness among experts and stakeholders on this issue; 2. to implement social dialogue between the research community, teachers, students, parents and other social actors in order to identify main issues and expectations from these groups; 3. to develop and test a range of practical activities (didactic activities, labs, stage, etc...) that go in the direction of overcoming gender differences and creating a connection between high school students and the professional worlds of science and technology.

