



#020817

**ECFUN**

„European Children’s Future University Network“

Specific Support Action (SSA)  
„Science education and careers 2004“

## **Final Report** **(Activity Report)**

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## Executive summary



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## Introduction

ECFUN is an educational project in the field of science communication, turning towards children at the age of 9 to 12 years. The ECFUN project is a partnership between Universities and associated foundations on the one hand and expert partners (SMEs) for quality assurance, web didactics and ICT development on the other hand. The Universities and associated companies are experienced in science communication actions, geared towards children - substantially supported by the expertise on the part of scientists from various scientific fields.

The ECFUN Consortium consists of seven institutions from five European countries under the coordination of the University of Vienna. The aim is to develop and set up a multilingual virtual science communication platform, which gains access to science-related resources and introduces scientists as role models. All content is provided in six languages (English, German, Maltese, Swedish, Polish, Slovak) and interactive communication features are applied to personally get in touch with scientists.

The ECFUN partnership consists of the following institutions from Europe:

- University of Vienna – Children's Office (UVC/AT), Austria
- Comenius University Bratislava (CUB/SK), Slovakia
- Future Action Foundation (FAF/MT), Malta
- Teknikens Hus, Luleå (THL/SE), Sweden
- Warsaw University of Technology (WUT/PL), Poland
- Internet Center for Education /netbridge (ICE/AT), Austria
- BOC Asset Management GmbH (BOC/AT), Austria

## Summary description of objectives

ECFUN sets up a virtual platform by bringing together local science communication 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 establish a future network – both in cyberspace and real life. The virtual platform 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. Furthermore, biographies of female and male European scientists will serve as role models with respect to the target group.

Main message is that science is not only for a preferred minority; rather that it concerns all people in their everyday-life. Children experience that they can deal with science. Latent barriers that arise from (gender) stereotyped assumptions concerning science and scientific careers shall thus be lowered.

### **Work progress and results**

A range of constitutive and complementary activities were performed to achieve this aim:

**Provisions of necessary pre-requisites for the project:** Project management structures were set up and supported by a virtual Consortium information platform

**Graphic design and ICT-development:** Graphic- and web-design was developed and implemented by means of a multilingual CMS including modelling tools, editing features and usage statistics as well as a standardized interface for publishing mechanisms, caching mechanisms and search engines.

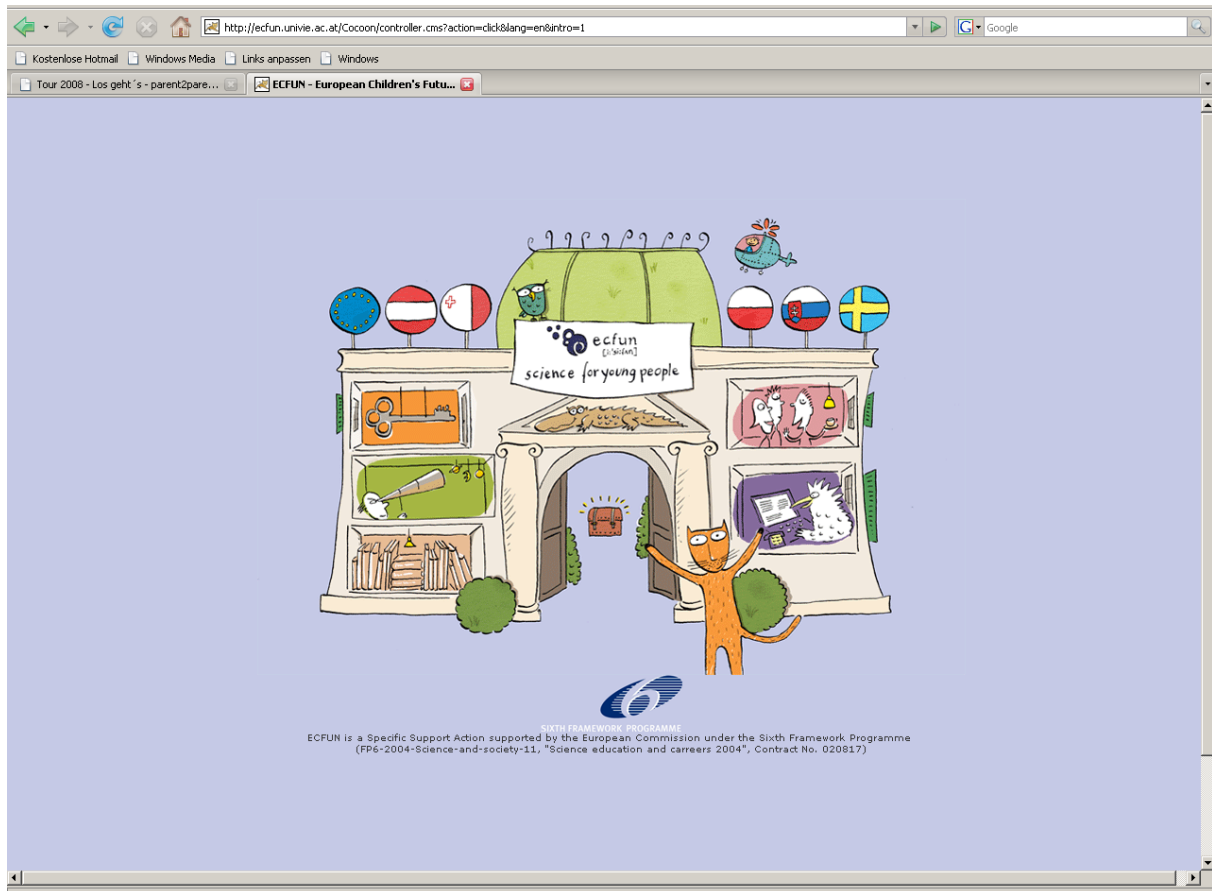
**Production of content sets and maintenance of the webportal:** 69 content sets (lectures + biographies) were collected and adapted, translation of content into all respective languages

**Quality assurance:** Several measures were taken to ensure that the aims and goals of the project are supported at the best, incl. focus groups, constant monitoring with experts and the implementation of feedback loops.

**Dissemination & networking:** Several measures were taken to inform children, multipliers and the public about the web portal. Local activities were organised to involve children and to build up real networks in order to use the virtual network.

An international two days conference for more than 150 experts in science communication was the highlight of the dissemination and networking strategy.

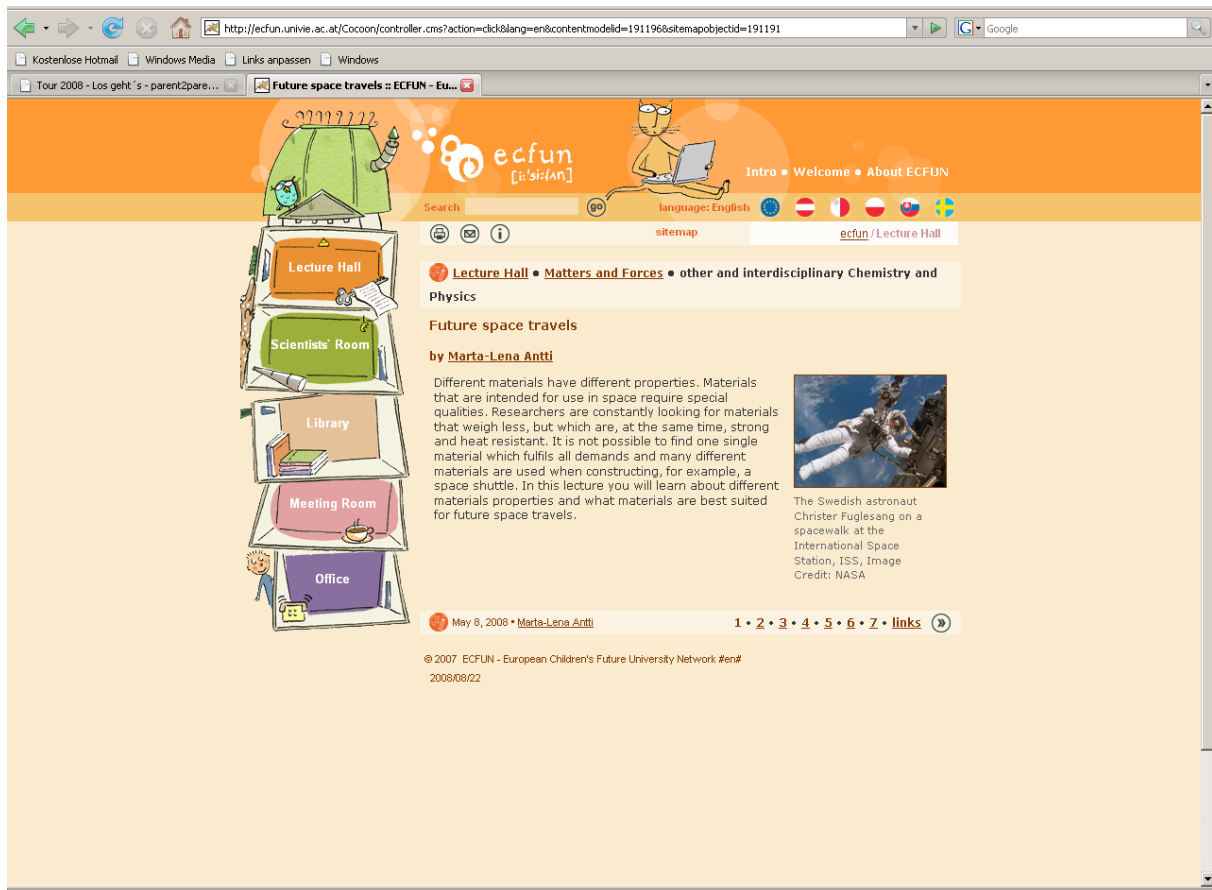
## Web portal



The core element and main result of the ECFUN project is the web portal [www.ecfun.eu](http://www.ecfun.eu), which comprises 69 content sets (scientific lectures and articles) taken from 10 scientific main areas, which come along with individual biographies of involved scientists, which outline their personal interests and careers - and thus are capable for acting as role models. Hence, gender aspects are taken into consideration thoroughly when selecting the respective authors.

The content units comprise:

- actual lecture text
- actual biography text
- supplemented by images and other resources of any kind (short videos, animations etc.)
- glossary word explanations
- further (external) links
- further documents
- further book tips
- news items



They are embedded in a website, which additionally provides:

- communication features (topic- and author-related bulletin boards)
- selected search-, sort-, print- and rate-options
- language selection on-the-fly
- usage statistics

as well as further information for children and adults concerning:

- Consortium & project, funding
- use of the website and its resources (specified for children, parents and educators)
- local events and activities (in the field of science communication)
- aspects of higher education and education systems
- legal and web security issues

**Meetings:**

Kick-Off meeting in Vienna, 20<sup>th</sup> and 21<sup>st</sup> of January 2006:

- General introduction of the project and pre-requisites
- Outline and discussion
- Self presentation of the Contractors
- Drafts for the content of main parts of the web portal
- Workflow procedures
- Structures and roles
- Dates and meetings

Project meeting in Lulea, 6<sup>th</sup> and 7<sup>th</sup> of April 2006:

- Quality aspects of content
- Quality aspects of style and structure (web portal)
- Further discussion of the main elements of the web portal
- Graphical Design - Discussion
- Definition of requirements for CMS

Project meeting in Bratislava, 3<sup>rd</sup> and 4<sup>th</sup> of August 2006:

- Graphical Design - Decisions
- Experiences with dummies and translations
- CMS- Workbench
- Quality assurance: Focus Groups/Experts Forum
- Definition of workflow (articles, CVs, proofreading, translations)

Project meeting in Warsaw, 14<sup>th</sup> and 15<sup>th</sup> of December 2006:

- Dummy lectures
- Focus Groups
- Quality check of CMS Workbench

Project meeting in Malta, 27<sup>th</sup> and 28<sup>th</sup> of April 2007:

- Quality check of the content
- Quality check of translations
- Refinement of content collection procedures (concerning content, pictures, translations, ...)

Project meeting in Vienna, 17<sup>th</sup> and 18<sup>th</sup> of September 2007:

- Go Online - dissemination
- Web compilation - status
- Quality Assurance: current findings, conclusions
- Forum: implementation and proceedings
- Conference Feb. 2008: Main Ideas – organisational framework

Project meeting in Lulea, 6<sup>th</sup> and 7<sup>th</sup> of December 2007:

- Strategies for the future
- Conference 2008 concept and agenda
- Web compilation and upkeep, further renewal, statistics
- Statistical Analysis about usage of the Webportal

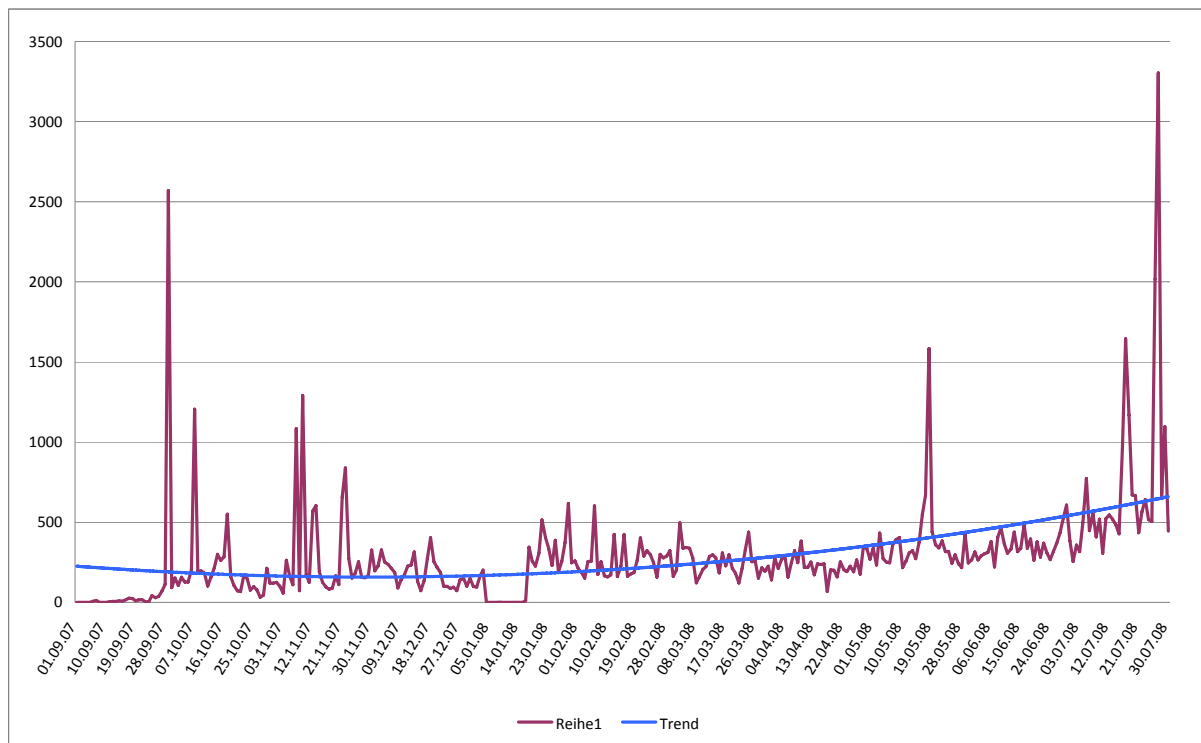
Final meeting in Vienna, 30<sup>th</sup> January 2008 (Final conference)

- Last updates to conference
- Discussions about sustainability of the Webportal
- Dissemination
- Status DVD-Project (WUT)

## Dissemination activities

In order to attract visitors to an educational website as the ECFUN web portal is, it is not enough to launch the website. Rather it is necessary to employ an extensive and multilayered dissemination strategy including a whole variety of different dissemination activities and events to attract the target groups to the website. Thus, a wide range of multipliers in the field of science communication and youth work were involved according to a detailed dissemination plan (as outlined in "5.3 Dissemination strategy" of the Work Description, Annex I to the Contract 020817, pp. 16) to enhance awareness level, facilitate access and connect the website to well-established activities of local kind.

Dissemination and the continuing development of the webportal were the most important challenges and tasks of the second project period. The result is a webportal with an increasing number of visitors from all over Europe:







## **1 Project objectives and major achievements during the reporting period**

### **Overview of general project objectives**

The aim is to develop and set up a multilingual virtual science communication platform, which gains access to science-related resources and introduces scientists as role models. All content is provided in six languages (English, German, Maltese, Swedish, Polish, Slovak) and interactive communication features are applied to personally get in touch with scientists.

ECFUN will bring together local science communication 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 aged 9 to 12 years, deriving from underrepresented groups and establish a future network – both in cyberspace and real life. The virtual platform 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. Furthermore, biographies of female and male European scientists will serve as role models with respect to the target group.

Main message is that science is not only for a preferred minority; rather that it concerns all people in their everyday-life. Children experience that they can deal with science. Latent barriers that arise from (gender) stereotyped assumptions concerning science and scientific careers shall thus be lowered.

### **Summary of objectives for the reporting period, work performed, contractors involved and the main achievements in the period**

During the projects lifespan a wide range of constitutive and complementary activities were performed to achieve this aim: (for more detailed responsibilities see "2 Workpackage progress of the period", pp. 10)

#### ***Development of a webportal (all contractors with special tasks for BOC/AT and UVC/AT)***

- 69 content sets (scientific lectures incl. biographies) were collected and adapted and translated into 6 languages (English, German, Maltese, Polish, Slovak, Swedish)
- Development of the structure and the general content of the webportal and translation into 6 languages
- ICT development for the webportal, based on a multilingual CMS including modelling tools, editing features and usage statistics was developed, including standardized interface for publishing mechanisms, evaluation of open-source publishing engines, caching mechanisms, search engines. (ICE/AT)

- Graphic design development (logo, css styles templates, illustrations and handbook) (subcontractor: UVC/AT)

### ***Quality assurance and Maintenance of the webportal (all contractors, special tasks for ICE/AT)***

- Quality assurance was an important task of all contractors for the whole project lifespan. Children as the key users of the webportal were asked to give feedback in a structured manner (Focus groups). Experts were involved in all phases of the project (development and maintenance of the portal) through out a virtual and a “real life” Experts Forum.
- The maintenance of the webportal was an ongoing process of quality assurance, bug fixing, updating and keeping the portal lively.

### ***Dissemination activities (all contractors)***

- Various numbers of dissemination activities on European and national level: press releases, media briefings, production and distribution of information material and dissemination material, development and management of workshops, events and presentations
- Dissemination work targeted children, educators (teachers, out off school educators, youth worker, ...), parents, policy makers, journalists, experts in science communication and other stakeholders
- Organisation of an international conference on Science Communication (February 2008) including conference report (special task for UVC/AT)

### ***Establishing ECFUN as a European cooperative project with collaborative science communication activities (all Contractors)***

- Repeated project meetings in 5 different countries in Europe
- Professional project management tools including: Management Board, virtual Consortium information platform (MOODLE) and consensus agreements on work programme, aims and responsibilities, content and structure of the content

### **Comment on the most important problems**

There have been no substantial deviations from the work programme, even though it became evident that the process of content collection is rather challenging and this was due to three reasons predominately: Firstly, the effort for getting scientists involved in the project and providing the respective contractors with science-related articles about their field of research and their personal biographies was underestimated to a certain extent. Commonly, scientists at universities are snowed under with work – namely with research, teaching and administrative obligations. To win them over for their (additional) project contribution turned out to be more laborious that estimated in prior – even if there has been cooperation and involvement in other science communication activities before. Additional workload for projects which are deemed to be not among the “principal duties” of a scientist was not always the first decision. Consequently, the contacting of scientists and the networking among them was rather time-consuming.

Secondly, scientists are not familiar with writing texts targeted for children and young people to a large extent. The effort for editing, refining or even re-writing their texts was anticipated when drafting the Work programme, but the real extent of work to adapt the texts in a way which makes them didactically suitable for children and young people turned out to be more than expected as recurrent modifications were required.

Thirdly, those ongoing continuous modification loops (incl. the need to get feedback and consent from the original authors regarding modifications, as the texts were published in their name) made the process of content creation much more complex and laborious than foreseeable. Especially as required amendments were of substantial impact on the process of translating every content item from mother tongue into English and from English back to all the other languages covered by the website. Seeing more than 1.000 content elements (in all languages), this issue was of major impact on the tasks of quality assurance and the overall maintenance of the website.

All in all, the effort for collecting all the content for the website, preparing it for online publication, translating it and keeping the entire website up-to-date in all languages was enormous - taking into consideration linguistic characteristics and cultural peculiarities in the process of translation, of finding appropriate workflow procedures relating to translations, of fitting together aspects and requirements of didactics, of structure, of multilingualism and of technics (e.g. text in images) and last but not least in finding an appropriate structure and style for the web portal that meets the overall aims and goals at the best.

## **2 Workpackage progress of the period**

### **WP1: Coordination/Management Board**

(UVC/AT and one member per partner for Management Board)

See: "3. Consortium management", p. 30

### **WP2: Kick off (integrative workpackage) (M1-M2)**

(UVC/AT, CUB/SK, FAF/MT, THL/SE, WUT/PL, ICE/AT, BOC/AT)

### **Workpackage objectives**

The objective was to set up working structures within the project and to establish a common understanding about the aims of the overall project and the measures needed to achieve them (these will be updated and particularised).

For the specific tasks related to this WP see "7. Workplan" in the Description of Work (Annex I to the Contract 020817, pp. 43)

### **Progress towards objectives**

All tasks related to this WP have been completed successfully:

- Kick-off meeting was held in Vienna/AT on Jan. 20/21, 2006

The meeting was attended by all Contractors, supported by external moderation and the Accounting and Finance Dept. of UVC/AT. (Due to internal reasons, CUB/SK was not able to participate, but was familiarised at a later meeting with UVC/AT, Vienna/AT, Feb. 20, 2006)

The overall aims and goals of the project were discussed thoroughly, refined and agreed, as well as matched with the Contractors requirements and prospects. Time schedules and responsibility assignments were refined. All this led to a detailed work programme. (see: D1: "Detailed agreement/plan")

Formal requirements and responsibility assignments relating to the management of the project were defined and agreed as a prerequisite for the Consortium Agreement. (see "Consortium Agreement", attached to D1: Detailed agreement/plan)

- Rough concept for structure and content of the website was drafted.
- Management Board was constituted successfully by nomination and confirmation.

### Deviations from work programme

There have been no substantial deviations from the work programme, even though some minor modifications were agreed within WP2, which influenced the workflow within other WPs (subcontracting of graphic design, go-online stepwise, role of NCPs and MBs in meetings); overall aims and goals remained unchanged.

In total, 4,81 PMs were employed on WP2. (scheduled: 5,50 PMs)

### List of deliverables

<b>Del. No.</b>	<b>Deliverable name</b>	<b>Date due</b>	<b>Actual/Forecast delivery date</b>	<b>Lead contractor</b>
D1	"Detailed agreement/plan"	M2	M4	UVC/AT

### List of milestones

<b>Milest. No.</b>	<b>Deliverable name</b>	<b>Date due</b>	<b>Actual/Forecast delivery date</b>	<b>Lead contractor</b>
M2	Delivery of D1	M2	M4	UVC/AT

**WP3: Structure development (integrative workpackage) (M3-M7)**

(UVC/AT, CUB/SK, FAF/MT, THL/SE, WUT/PL, special task for ICE/AT (dummy expertise))

**Workpackage objectives**

The objective was to draft an appropriate structure and a detailed concept for realisation of the virtual platform [www.ecfun.eu](http://www.ecfun.eu) which makes it possible for the target groups (children/young people and multipliers) to use the platform in efficient and manifold ways and to support the overall aims and goals of the projects at the best.

The objective of WP3 was to develop the appropriate detailed structure for the virtual platform, to deploy and implement this structure as a web dummy and to collect and adapt dummy content (5 scientific articles and 5 biographies, elaborated in 6 different languages) for the dummy website for the purpose of generating standards by evaluating content usability (supported by ICE/AT) and design principles. Hence, WP3 is closely linked to WP4.

For the specific tasks related to this WP see "7. Workplan" in the Description of Work (Annex I to the Contract 020817, pp. 43)

**Progress towards objectives**

All tasks related to this WP have been completed successfully:

- Detailed structure concept was developed successfully (incl. requirements for embedded features) and attuned to graphical and technical prerequisites,
- supported by "Design Guidelines for the ECFUN Portal" developed and disseminated by ICE/AT (also see WP6)
- Scientific fields to be covered were defined in detail.
- Didactical guidelines "How to write scientific articles for children" were developed and disseminated by CUB/SK
- Standards for content collection were defined, as well as workflow procedures (most of all due to translation requirements)
- Contacts with scientists were established to generate a "pool" of authors by means of internal dissemination and information activities.
- Pre-selection of authors and topics
- Dummy content sets (lectures+biographies) were collected, adapted and translated by each Contractor as show-cases for the further development process (relating to WP4 and WP5) (excl. BOC/AT and ICE/AT, in total 5 content sets in 6 languages).
- Continuous provision for style guidance and didactical feedback was made by UVC/AT and ICE/AT while monitoring the process of content collection and adaptation (substantially based upon detailed discussion concerning quality at meetings in Luleå/SE, April 6/7, 2006 and Bratislava/SK, Aug. 3/4, 2006; see: "Minutes and Outcomes", attached to the interim report), dummy content was reworked by Contractors if required

- Pre-focusgroups were arranged at UVC/AT and THL/SE
- Research on the present situation of science in schools in Malta and on the manner in which science is popularized was conducted on a local level by means of a questionnaire for teachers by FAF/MT.
- Dummy website was implemented successfully.

### Deviations from work programme

There have been no substantial deviations from the work programme, even though it became evident that the process of content collection is rather challenging, most of all in terms of finding committed scientists (willing to participate in a voluntary manner), of adapting and editing texts provided by authors not experienced thoroughly in writing for children, of taking into consideration linguistic characteristics and cultural peculiarities in the process of translation (which is also true for WP5), of finding appropriate workflow procedures relating to translations, of fitting together aspects and requirements of didactics, of structure, of multilingualism and of technics (e.g. text in images) and last but not least in finding an appropriate structure and style for the web portal that meets the overall aims and goals at the best (which is also true for WP4).

Hence, total PMs for WP3 are slightly over schedule. In total, 10,22 PMs + 1,87 (own staff) were employed on WP2. (scheduled: 8,50 PMs) and certain delays arised, but none of them affected the overall work programme substantially.

### List of deliverables

Del. No.	Deliverable name	Date due	Actual/Forecast delivery date	Lead contractor
D2	"Structure of the webplatform"	M7	M7	UVC/AT
D3	"Dummy"	M7	M9	UVC/AT

### List of milestones

Milest. No.	Deliverable name	Date due	Actual/Forecast delivery date	Lead contractor
M7	Delivery of D2	M7	M7	UVC/AT
M7	Delivery of D3	M7	M9	UVC/AT



**WP4: ICT-development, graphic design & support (specific workpackage) (M3-M7)**  
(BOC/AT and UVC/AT)

**Workpackage objectives**

The objectives of the workpackage were the goal-orientated realisation of the structural concept for the virtual platform [www.ecfun.eu](http://www.ecfun.eu) and the completion of the structural concept with a graphic concept, so that [www.ecfun.eu](http://www.ecfun.eu) can be accessed barrier-free and attract children and young people. A content repository was to be realised within an easy-to-use graphical interface for content coordination.

The technical base of the virtual platform [www.ecfun.eu](http://www.ecfun.eu) (structure + content management system) and a user-manual for the platform was to be provided for the consortium. Graphic editing of [www.ecfun.eu](http://www.ecfun.eu) and manual for the use of graphic elements should give the platform a standardised appearance.

For the specific tasks related to this WP see "7. Workplan" in the Description of Work (Annex I to the Contract 020817, pp. 43)

**Progress towards objectives**

All tasks related to this WP have been completed successfully:

- Graphic- and web-design was developed according to structure concept and usability guidelines by subcontractor (supported by experienced illustrator), including css-styles templates, colour schemes, icons, navigation elements and mascot
- Logo for the overall project was developed, including modified versions for several applications and purposes and language specific appendices
- Multilingual CMS including modelling tools, editing features and usage statistics was developed successfully.
- Implementation of Dummy website was completed successfully, including detailed modelling of structure concept and integration of style templates.

In detail, this included (see D4, D5):

- Development and evaluation of a modelling methodology for content management systems (CMS) based on the ADONIS<sup>®</sup> platform (strict separation of structure, content, style)
- Implementation of a standardized interface for publishing mechanisms (IBM standard DITA<sup>®</sup> is in use)
- Evaluation of various open-source publishing engines
- Integration of Apache Cocoon publishing engine within the system
- Evaluation and implementation of caching mechanisms using Apache Xindice
- Development of Content Management System applying the principle of rapid prototyping (different cycles of development and constant refinement)

- Translation of the graphic static dummy into the CMS system using XSLT technology for HTML and PDF generation on the fly
- Multilingualism and page/file UTF-8 encoding
- Search engine development
- Creation of a CMS workbench summarizing all functions available within the system
  - Content provision
  - Content editing
  - Content translation
  - Resource upload
  - Statistical evaluation
- Preparation of the D5 as a manual for CMS usage of the CMS workbench
  
- Redefinition of styles and look&feel according to update of graphics team
- User-friendly reimplementation of CMS for entering of data to a form-based modelling system (HTML forms including formatting options are used as a front-end instead of a real modelling tool, the models are created and maintained in accordance with the data entered)
- Continuous improvement of web-portal look and feel in accordance with user/tester feedback
- Initial content integration into the system (upload of all information available to the system) as an initial input for the partners and basis for refinement
- Refinement of PDF reports
- Integration of forum and discussion area into the portal through linkage
- Preparation of training material and execution of training sessions for the CMS system usage
- Continuous assistance for partners for technical problems
- System setup (portal and forum), administration (server maintenance and assistance during server move) and weekly backups of content entered into the system (as a model export and file backup)
- Contact for server owner (University of Vienna) for any technical question
- Creation of an OFFLINE version of the portal for demonstration purposes (submitted as a project deliverable)

### **Deviations from work programme**

It became evident, that the designing and implementing of an adaptive, multilingual website, based upon a dynamic CMS and representing suitability for the target group both in terms of content, structure and style, turned out to be a very ambitious attempt, especially when the development process is closely interrelated with other WPs and influenced by manifold requirements in a way, that slight modifications of the initial conditions require iterative procedures and actions (e.g. some necessary modifications have not become evident before integrating specific types of content.). Beyond that, the standardising the content – a prerequisite for CMS database management – was a complex issue with a view to didactic issues and aspects of design (e.g. texts in images, resources

standards). This also required iterative adjustments in the process of content collection and adaptation (WP3, WP5).

Nonetheless, all tasks relating to this WP have been completed successfully in project period 1 and no substantial deviations from the work programme occurred, even though there have been certain modifications in the process.

During reporting period II, modifications were advisable after project period 1 (e.g. modifications of the web-interface for the CMS to enhance usability; specific preparatory measures referring to this have already been taken). The system has been successfully redesigned according to user/tester feedback and successfully deployed in a beta environment first and to the live system accordingly. Stable system performance is guaranteed through constant monitoring and system cleaning.

Usage and user tracking software blocks were integrated into the system allowing a constant monitoring of the system and its users (> 100.000 users from going live until end of the project period, about 300 users per day).

The system at this stage consists of about 700 models, each in 6 different languages, and 5.000 modelling objects (content objects) in different formats (text, graphics, animations, pdf, links etc.)

Due to the outlined reasons, total PMs for WP4 are over schedule. In total, 7,29 PMs were employed (scheduled: 4,50 PMs).

### List of deliverables

<b>Del. No.</b>	<b>Deliverable name</b>	<b>Date due</b>	<b>Actual/Forecast delivery date</b>	<b>Lead contractor</b>
D4	"Web Portal – CMS"	M7	M8	BOC/AT
D5	"Manual for CMS"	M7	M10	BOC/AT
D6	"Graphical concept/logo"	M7	M8	Subcontr.
D7	"Manual for graphical concept"	M7	M11	Subcontr.

### List of milestones

<b>Milest. No.</b>	<b>Deliverable name</b>	<b>Date due</b>	<b>Actual/Forecast delivery date</b>	<b>Lead contractor</b>
M7	Delivery of D4	M7	M8	BOC/AT
M7	Delivery of D5	M7	M10	BOC/AT
M7	Delivery of D6	M7	M8	Subcontr.
M7	Delivery of D7	M7	M11	Subcontr.

**WP5: Content collection and adaptation (integrative workpackage)  
(M8-M17)**

(UVC/AT, CUB/SK, FAF/MT, THL/SE, WUT/PL)

**Workpackage objectives**

The objective of this workpackage was the collection and adaptation of 75 scientific articles ("Lecture Park", henceforth: "Lecture Hall") and 75 biographies ("Scientists' Gallery", henceforth: "Scientists' Rooms"). This stock of scientific contributions and articles, specifically adapted for children and youngsters, is the heart of the project [www.ecfun.eu](http://www.ecfun.eu)

The "Lecture Hall" contains 75 scientific articles and the "Scientists' Rooms" include 75 biographies. The content is available in 6 different languages (English, German, Maltese, Polish, Slovakian and Swedish) i.e. 450 contributions in total.

The launch of the web page with the content was the finishing point of this workpackage.

For the specific tasks related to this WP see "7. Workplan" in the Description of Work (Annex I to the Contract 020817, pp. 43)

**Progress towards objectives**

- Within the first reporting period, 32 content sets (lectures incl. biographies) have been collected and adapted. In the second reporting period 37 content sets have been collected and adapted, each of them in mother tongue and English, in close collaboration with scientists:

15 content sets: UVC/AT

14 content sets: CUB/SV

12 content sets: THL/SE

13 content sets: FAF/MT

15 content sets: WUT/PL

- Preparation and establishing of contacts with scientists (as authors of lectures and role-models) as well as pre-selection of authors and topics is an ongoing process by means of internal dissemination and information activities.
- Translation of content into all respective languages
- Continuous provision for style guidance provided by UVC/AT in the process of content collection is an ongoing process (also referring to WP6: "Quality assurance")

**Deviations from work programme**

Not all of the planned content sets were realized or went online, because scientists dropped out of the project once in a while. Some of them dropped out at the last minute of the project (THL/SE), some of them for personal reasons (FAF/MT). Other work was not considered appropriate as it was not 'pitched' at a

level suitable for children (FAF/MT and CUB/SK). All available documents were translated into all languages.

The content was developed continuously and 50% of the content sets went online step by step. The "Go online" was organised in two phases. In May 2007 the portal went online for a restricted group of children. Children had the chance to request for a password (via email) and were invited to give feedback. In September 2007 the webportal went online without password protection within the context of the "European Researchers Night". 75% of the content sets were available at that point of time.

The workload for translations was hardly underestimated. The costs of professional translators were not calculated, that is why project partners with good language skills translated the texts. But to translate a scientific content for children is a time consuming challenge, linked to the necessity of coordination and communication.

31,16 PMs were employed on WP5 in total + 4,08 own staff. (scheduled: 20,00 PMs). Due to the outlined reasons, total PMs for WP5 are clearly over schedule.

#### List of deliverables

Del. No.	Deliverable name	Date due	Actual/Forecast delivery date	Lead contractor
D12	"Go-online with www.ecfun.eu"	M18	M18 (Step 1) M 22 (Step 2)	integr.

#### List of milestones

Milest. No.	Deliverable name	Date due	Actual/Forecast delivery date	Lead contractor
M18	Delivery of D12	M18	M18 (Step 1) M 22 (Step 2)	integr.

## **WP6: Quality assurance (specific workpackage) (M12-M17)** (ICE/AT)

### **Workpackage objectives**

The objective of this workpackage was to guarantee the preparation of published articles in a way adequate for media and target groups and to ensure that the contributions, regarding content, are actual and accurate. This objective was guaranteed through a multistage process and is set up on the results of WP3 and accompanying WP5.

For the specific tasks related to this WP see "7. Workplan" in the Description of Work (Annex I to the Contract 020817, pp. 43)

### **Progress towards objectives**

- "Design Guidelines for the ECFUN Portal" developed and disseminated by ICE/AT as initial media-didactic briefing
- Didactical guidelines "How to write scientific articles for children" were developed and disseminated by CUB/SK
- Standards for content collection were defined, as well as workflow procedures (most of all due to translation requirements)
- Proofreading of all material collected in English by FAF/MT
- Continuous provision for style guidance and didactical feedback was made by UVC/AT and ICE/AT while monitoring the process of content collection and adaptation (detailed expertise on dummy content by ICE/AT)
- 4 Pre-focus groups were arranged at UVC/AT (3) and THL/SE (1)
- Manual for Focus groups by ICE/AT
- Preparations for Focus groups, pilot scheme by ICE/AT
  
- 2 Focus groups (September 2007): CUB/SK
- 2 Focus groups (March/May 2007): UVC/AT
- 2 Focus groups (March/April 2007): ICE/AT
- 1 Focus group (April 2007): FAF/MT
- Focus groups and Experts Forum activities: THL/SE
- Continuous targeted quality check and usability testing: WUT/PL
- Experts Forum activities (all partners)
- Guidelines for multipliers (FAF/MT, UVC/AT)

### **Deviations from work programme**

WP6 was started earlier than in M12 and accompanied the whole projects lifespan. This was due to the fact that it became evident that quality assurance issues not only concern the process of content collection and adaptation, but must be a constitutive element in the whole workflow relating to the project (also targeted on structure development, graphics as well as technical und usability issues).

There have been no substantial deviations from the work programme concerning Focus Groups with children. We changed the process of asking experts for feedback and decided to implement a continuous and sustainable process of

integration of multipliers in development and maintenance of the webportal (see Deliverable D9: Summary of contributions to the Experts Forum)

8,2 PMs were employed on WP6 in total + 4,31 PM own staff. (scheduled: 7,00 PMs). PM were slightly among schedule.

### List of deliverables

<b>Del. No.</b>	<b>Deliverable name</b>	<b>Date due</b>	<b>Actual/Forecast delivery date</b>	<b>Lead contractor</b>
D8	"Experts ´ Forum"	M15	M15 – M30	UVC/AT
D9	"Summaries of contributions to Experts ´ Forum"	M17	M17 – M30	ICE/AT
D10	"Dummy and manual for focus groups"	M13	M13	ICE/AT
D11	"Summaries of feedback of Focus Groups"	M17	M17 – M 30	ICE/AT

### List of milestones

<b>Milest. No.</b>	<b>Deliverable name</b>	<b>Date due</b>	<b>Actual/Forecast delivery date</b>	<b>Lead contractor</b>
M15	Delivery of D8	M15	M15 – M30	UVC/AT
M17	Delivery of D9	M17	M17 – M30	ICE/AT
M13	Delivery of D10	M13	M13	ICE/AT
M17	Delivery of D11	M17	M17 – M 30	ICE/AT

**WP7: Dissemination & networking (integrative workpackage)  
(M18-M28)**

(UVC/AT, CUB/SK, FAF/MT, THL/SE, WUT/PL; ICE/AT)

**Workpackage objectives**

The objective of the workpackage was to reach the most wide-spread dissemination and to ensure, through selected measures, that special target groups, such as girls, children and young people from peripheral locations or areas with poor access to higher education, find out about [www.ecfun.eu](http://www.ecfun.eu) and use it.

For the specific tasks related to this WP see "7. Workplan" in the Description of Work (Annex I to the Contract 020817, pp. 43)

**Progress towards objectives**

Months before WP 7 started, selective measures and activities of involving multipliers, national and international dissemination and networking were taken by the Contractors.

Apart from them, a large number of internal public relations and networking activities were performed to reach an interested range of scientists, willing to contribute to the project on a voluntary basis. For this purpose, existing contacts arising from other science communication projects were used, as well as internal communication options.

In a second phase of dissemination work, the whole consortium worked on measures to reach children and teachers to use the portal.

Dissemination work consisted of a mix of formats of communication, from workshops and presentations, to local activities with children, to classic formats like press releases and e-mail and information letters.

One of the most important parts of the dissemination work was the Final Conference of the project, with more than 150 participants from all over Europe. The conference "Communicating Science to the Young – Future Networks" took place at the University of Vienna (January 31<sup>st</sup> – February 2<sup>nd</sup> 2008).

(see details: Deliverable No14: Conference Report)

- Organisation of the conference (programme, ...) – UVC/AT
- Moderation and conference handling – UVC/AT
- Organisation of accompanying programme – UVC/AT
- Organisation of a mini poster collection – UVC/AT
- Organisation of the Science Café – UVC/AT
- Organisation of the Teenagers Workshop – UVC/AT
  
- Information about the conference – all partners
- Discussion input and moderation tasks during conference – all partners



Dissemination using different kinds of methods:

*Information:*

- Large scaled email promotion activities among registered visitors and schools at THL (THL/SE)
- Information material distributed electronically among polish non-government organizations (WUT/PL)
- Email promotion activities among hundreds of schools in Poland (WUT/PL)
- Email promotion activities among 1.280 elementary schools in Slovakia, establishing of weblinks from school websites to ECFUN (CUB/SK)
- Establishing of links with INFOVEK (a high reputation website which promotes the use of computers in instruction in Slovakia) (CUB/SK)
- Radio broadcast activities (ICE/AT)
- Promotion activities at LehrerInnenweb ("Austrians Teacher Web") and various entries in mailing lists (ICE/AT)
- Emails and newsletter promotion among all students of Children's University of Vienna, to teachers and scientists in Austria (UVC/AT)

*Dissemination material:*

- Flyers (Swedish version) sent by post to all schools in the region close to THL science center (THL/SE)
- Production and distribution of Polish versions of ECFUN posters (1.000 copies) (WUT/PL)
- 450 packages (with poster, leaflet and demo CD) sent to schools (WUT/PL)
- Multilingual Stickers (10.000 pieces) (UVC/AT)
- Rulers (7.000) for promoting ECFUN distributed all over Europe (by participants of the conference) (UVC/AT)
- Stickers (20.000) with ECFUN information distributed all over Europe (participants of the conference)) (UVC/AT)
- Production and implementation of poster promotion activities, displays and flags and a stationary computer station ("sitekiosk") at Teknikens Hus (THL/SE)
- Promotion of ECFUN at Comenius University and in student's dormitories – poster promotion activities (CUB/SK)
- Design of multilingual ECFUN posters for dissemination purposes on consortium levels (ICE/AT)

*Networking/ Multiplier:*

- Promotion of ECFUN in meetings with different kinds of multipliers (THL/SE)
- Presentation of ECFUN at different kinds of conferences (THL/SE)
- Participation in meetings for non-government organizations lead by the Federation of Educational Initiatives. (WUT/PL)
- Promotion of ECFUN among academics at Department of Computers and Mathematics at Comenius University (CUB/SK)
- PAKM 06 conference (BOC/AT)
- Teacher seminars in Primary Schools in Malta (FAF/MT)
- Presentation on pan-European audience in Luxembourg (FP 7 IST elearning call), international meetings in Italy, 13<sup>TH</sup> International

conference on Thinking in Sweden, Spanish SMEs, workshop at University of Alberg, Denmark, workshop in Marseille France (FAF/MT)

- Information workshops for Erasmus coordinators (FAF/MT)
- German Children's University Meeting in Magdeburg (UVC/AT)
- Bavarian Children's University Meeting: Presentation of ECFUN (UVC/AT)
- Scientists Meeting (Children's University Coaching evening): Presentation of ECFUN (UVC/AT)

*Special Activities:*

- A nation-wide competition of children was initiated on ECFUN website. On ECFUN website opening screen there was an attractive call for participation in the competition. The task for children was to select one ECFUN lecture which they liked best, and they had to explain why. Then they had to compare the selected lecture with at least two other lectures which they do not like so much, and they had to explain which features they considered worse. We received about 300 written essays of which top 50 were rewarded. Each winner received a t-shirt, badge, and a tag – all with ECFUN graphics developed by a leading graphic studio. (CUB/SK)
- Workshops based on ECFUN "Wie werde ich ein/e Wissenschaftler/in" (How to become a scientist) (UVC/AT)
- School event (large scale) with more than 100 girls aged 13 to 14 in Malta about careers in science using ECFUN portal (FAF/MT)
- 3 demonstration lessons in three selected schools (WUT/PL)
- Visiting programme at 9 selected school, incl. ECFUN demonstrations – especially in the Hungarian speaking minority region of Slovakia. (CUB/SK)
- 15 teachers from all over Slovakia were introduced to ECFUN website during a British Council training about using mobile technology in schools on 23-24th February, 2008. (CUB/SK)
- University students at Faculty of Education actively engaged in dissemination activities in elementary schools. Students (courses computer studies) led discussions about ECFUN and they directed pupils to participate in the ECFUN competition. This activity covered 32 elementary schools. (CUB/SK)
- Faculty of Education students who had teaching practice in elementary schools in December 2007 or January 2008 introduced the website in the class in which they were present. This covered about 50 school. (CUB/SK)
- Showcase during Grundtvig E-Learning Courses (December 2006 – May 2008) (FAF/MT)
- ECFUN was included in all Children's University activities at the University of Vienna by means of public terminals and was integrated in other science communication activities on location.

*Press/Media:*

see: "Dissemination of Knowledge"-table attached to this report)

## Deviations from work programme

There were no substantial deviations from the work programme.

The projected Conference as a major instrument for disseminating outcomes and experiences gained from ECFUN was scheduled for Feb. 2008 – one month earlier than intended initially.

13,29 PMs + 4,18 PM (own staff) were employed on WP7 in total. (scheduled: 14,00 PMs)

## List of deliverables

Del. No.	Deliverable name	Date due	Actual/Forecast delivery date	Lead contractor
D13	"Conference"	M28	M26	UVC/AT
D14	"Conference Report"	M30	M30	UVC/AT

## List of milestones

Milest. No.	Deliverable name	Date due	Actual/Forecast delivery date	Lead contractor
M28	Delivery of D2	M28	M26	UVC/AT
M30	Delivery of D3	M30	M30	UVC/AT

**WP 8: Maintenance & compilation of the webpage  
(M18-M30)**

(UVC/AT, CUB/SK, FAF/MT, THL/SE, WUT/PL)

**Workpackage objectives**

The objective was to support the users and maintain the platform as an animated, multilingual and functional webpage. [www.ecfun.eu](http://www.ecfun.eu) is a lively and growing webpage.

The participation partners were requested to do day to day maintenance of the webpage, check of operability, news, ...; the moderation of the forums, and the coordination of questions.

For the specific tasks related to this WP see "7. Workplan" in the Description of Work (Annex I to the Contract 020817, pp. 43)

**Progress towards objectives**

The most important deviation from the work programme is the experience with forum and the workload to manage the substantial data volume. Finding mistakes and correcting translations (without changing the scientific message) was one of the time consuming tasks of WP8.

Partner: UVC/AT, CUB/SK, FAF/MT, THL/SE, WUT/PL:

- translations of additional texts
- creation of news entries in every language
- feedback from scientist and respective changes
- proofreading
- upload and handling of pictures, ...

The implementation of a forum was a result of a long discussion concerning childrens' protection in the internet. The first forum was suddenly filled with spam, harmful content and information which was not appropriate for children. The consortium learned from the experience and implemented a new forum with high level security checks. In consequence, children did not use the forum very active, because the barriers to get into the forum where very high.

That is why the portal now provides email addresses in every language: [multi@ecfun.eu](mailto:multi@ecfun.eu), [deutsch@ecfun.eu](mailto:deutsch@ecfun.eu), .... These email addresses were managed by the partner.

**Deviations from work programme**

There have been no deviations from the work programme.

12,74 PMs + 1,17 (own staff) were employed on WP8. (scheduled: 16,00 PMs)

**List of deliverables**

<b>Del. No.</b>	<b>Deliverable name</b>	<b>Date due</b>	<b>Actual/Forecast delivery date</b>	<b>Lead contractor</b>
D12	"Web compilation"	M30	M30	integr.

**List of milestones**

<b>Milest. No.</b>	<b>Deliverable name</b>	<b>Date due</b>	<b>Actual/Forecast delivery date</b>	<b>Lead contractor</b>
M30	Delivery of D12	M30	M30	integr.

### **3 Consortium management**

All tasks and activities relating to management of the consortium are bundled and classified as WP1.

#### **WP1: Coordination/Management Board (M1-M30)**

(UVC/AT and one member per partner for Management Board)

#### **Workpackage objectives**

The objective of this workpackage was to manage the consortium activities in a professional manner in order to guarantee that the available consortium know-how of the specific topics is brought into the project and creates lasting added value. The basis of these management activities was the contract with the Commission and the consortium agreement.

For the specific tasks related to this WP see "7. Workplan" in the Description of Work (Annex I to the Contract 020817, pp. 43)

#### **Progress towards objectives**

During the current reporting period, consortium management and overall coordination was performed by University of Vienna (UVC/AT), occasionally supported by the Contractors where necessary or reasonable (preparing of reports and financial statements, preparing of meetings at venue etc.).

No major problems occurred in the course of consortium management and project management.

#### **Consortium Management tasks**

- The work programme of ECFUN was implemented and started immediately after signing the Contract 020817.
- There were no major modifications of the work programme.
- Communication with the Commission was intensive and efficient.
- Communication among the Contractors was intensive and efficient and was performed predominantly by Email, video-conferencing and via MOODLE, as well as during meetings.
- MOODLE, a standard online collaboration and e-learning tool was provided, set up and supported by ICE/AT to enhance project communication as well as collection and up-dating of documents, schedules and contacts (virtual Consortium information platform)

- Project meetings were coordinated and organised by UVC/AT (incl. scheduling and documentation; occasionally supported by Contractors on location; Luleå/SE, April 6/7, 2006; Bratislava/SK, Aug. 3/4, 2006; Warsaw/PL, Nov. 14/15, 2006; Malta/MT, April 27/28, 2007; Vienna September 17/18 2007; Lulea/SE, December 6/7 2007; Vienna January 31 2008)
- There were no major risks or conflicts to be solved on consortium level.
- There were no problems concerning contractual or financial issues.
- A first instalment was transferred to the Contractors after receipt of the first pre-financing rate by the Commission as soon as the respective bank data was provided; a second and a third instalment was transferred after submitting the interim report. (see: "Report on the Distribution of the Community's Contribution", attached to this report.)
- Knowledge and legal management was process during the whole projects lifespan. Guidelines and rules for citation and use of third parties' resources were defined and disseminated as well as a legal disclaimer for the website including intellectual property rights.
- A Consortium Agreement was drafted and set up by UVC/AT and signed by all Contractors. Management Board was constituted successfully as a result of the Kick-off meeting (WP2, held in Vienna/AT on Jan. 20/21, 2006)
- In project period 1 sub-contracting relating to WP4 was drafted and set up by UVC/AT with Mr. Serge Nolle (Vienna/AT). There was no sub-contracting in period 2.

A comprehensive overview of all coordination activities performed by the Coordinator as well as by the Contractors can be seen in "1.1 Description of the work performed by each contractor" in the Management Report (pp. 3).

#### Changes in responsibilities

- There were no changes concerning responsibilities at consortium level.

#### **Deviations from work programme**

No substantial deviations as concerns activities relating to consortium management or project management became evident.

Nonetheless, there were some modifications in WP1, which resulted from actual performing of the work programme and which were not foreseeable in detail. Some of them also affected the efforts put into WP1 in terms of PMs applied.

- In the previous course of the project, actual tasks and duties for the Management Board were different from how they were planned, as it turned out to be necessary that refinements of the work plan or re-

scheduling of time-planning, as well as constant monitoring of workpackage progress and deliverables needed to be accounted for - in a practical and hands-on manner - by those, who are more involved in day-to-day business, namely the NCPs (National Contact Persons), whereas strategic decisions and monitoring of the general targets and objectives became evident as less extensive.

Hence, it was decided not to distinguish between NCP meetings (National Contact Person Meetings) and MB meetings (Management Board Meetings) on a mandatory basis; if there should arise any issues during meetings requiring the formal consent of the respective Contractors, each Contractor has to ensure that the participating persons are entitled to enter into a commitment on behalf of the Contractor, occasionally after consultation of the respective decision makers (MBs). Anyway, due to organisational and hierarchical reasons this distinction was necessary for some contractors occasionally..

- In the course of the project, the implementation, hosting and supporting of MOODLE as a virtual Consortium information platform was taken over by ICE/AT as they are well experienced in providing and running such tools, but it has not been accounted for specifically in their planned workload concerning WP1 beforehand (in terms of PMs).
- Further more, it became evident that the structuring of the project as a whole, based upon "integrative" WPS, where all Contractors simultaneously work on the same WPs, increased coordination efforts, which could not be assigned to other WPs entirely. This gearing together of WPs turned out to be a substantial task for Consortium management, but such time and effort was not taken into account sufficiently in advance, as additional efforts needed to be made for that purpose. Further more, it became evident that due to the fact that most of the partners are barely experienced in running FP6-projects as concerns formal requirements, more (coordination) efforts were necessary to be made in this regard.



Regarding all that, coordination expenses (related to WP1) exceeded schedule.

13,48 PMs + 7,1 (own staff) were employed on WP1. (scheduled: 7,75 PMs). Due to the outlined reasons, total PMs for WP1 are clearly over schedule.

### List of deliverables

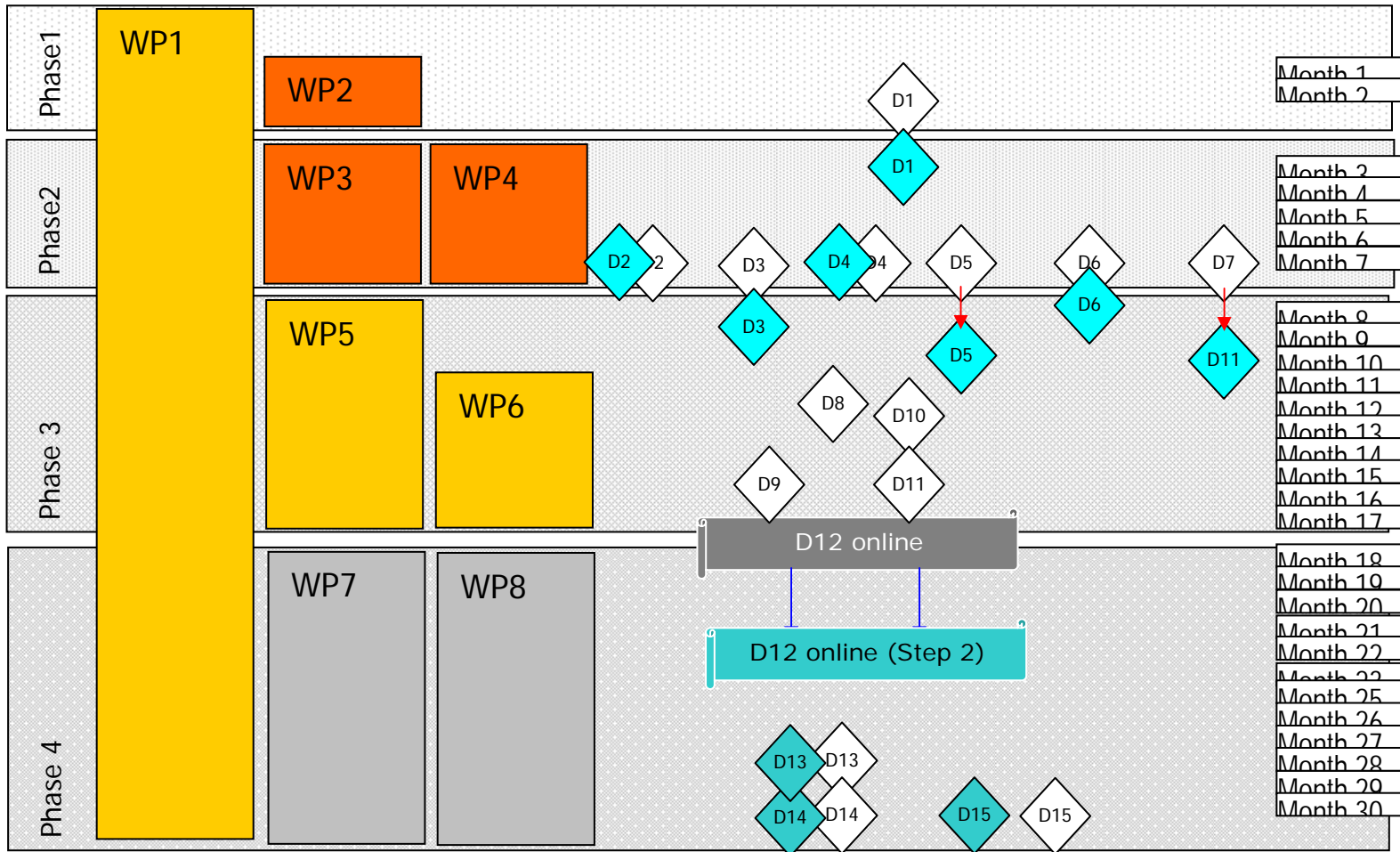
<b>Del. No.</b>	<b>Deliverable name</b>	<b>Date due</b>	<b>Actual/Forecast delivery date</b>	<b>Lead contractor</b>
D15	"Interim and final reports"	M12 M30	M12 M30	UVC/AT

### List of milestones









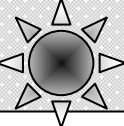
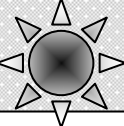
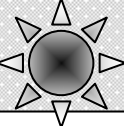
<b>Milest. No.</b>	<b>Deliverable name</b>	<b>Date due</b>	<b>Actual/Forecast delivery date</b>	<b>Lead contractor</b>
M12 M30	Delivery of D15	M12 M30	M12 M30	UVC/AT

## Project timetable and status

Deliverables (grey: scheduled; coloured: actual)



Meetings (coloured: blue: project period 1, green: project period 2)

Phase 1	★	Kick Off Meeting, Vienna/AT, Jan. 2006	workshop		Dec 05
					Jan 06
Phase 2	★	Project Meeting, Lulea/SE, April 2006	NCP-meetg 1		Feb 06
					Mar 06
					Apr 06
					May 06
Phase 3	★	Project Meeting, Bratislava/SK, Aug. 06	MB-meetg 1		June
					July
					Aug 06
					Sept
Phase 3	★	Project Meeting, Warsaw/PL, Dec 2006	MB-meetg 2		Oct 06
					Nov 06
					Dec 06
					Jan 07
					Feb 07
					Mar 07
Phase 4	★	Project Meeting, Malta/MT, April 2007	NCP-meetg 2		Apr 07
					May 07
					Jun 07
					Jul 07
					Aug 07
					Sept
					Oct 07
					Nov 07
Phase 4	★	Project Meeting, Vienna/AT, Sept 2007	MB-meetg 3		Dec 07
					Jan 08
					Feb 08
					March
					Apr 08
					May 08
Phase 4	★	Project Meeting, Lulea/SE, Dec 2007	NCP-meetg 3		May 07
					Jun 07
					Jul 07
Phase 4	★	Project Meeting, Vienna/AT, Sept 2007	MB-meetg 4		Aug 07
					Sept
					Oct 07
Phase 4	★	Project Meeting, Lulea/SE, Dec 2007	conference		Nov 07
					Dec 07
					Jan 08
Phase 4	★	Final Conference, Vienna/AT, Jan 2008	conference		Feb 08
					March
					Apr 08
Phase 4	★	Final Conference, Vienna/AT, Jan 2008	conference		May 08
					May 08

## 4 Plan for using and disseminating the knowledge

Dissemination of Knowledge - Overview table

#	Date		Type**	Type of audience**	Countries addressed	Size of audience	Partner responsible / involved	short description	
1	2005	12		info session	FP 6 stakeholder	MT	30	FAF	Dr. Sandra M. Dingli gave a presentation on EC FUN and outlines the aims, objectives, deliverables.
2	2006	2	16	radio broadcast (Radio Orange)	educators, general public	AT, DE	unlimited	ICE	Radio Interview with ICE and UVC <a href="http://orange.or.at/programs/?date=2006-02-16">http://orange.or.at/programs/?date=2006-02-16</a>
3	2006	2		project meeting	EU Partners of Cisci	EU	15	FAF	Ms. Angele Azzopardi Giuliano spoke about ECFUN at a project meeting held in Malta for the Cinema and Science (CISCI) project – also FP6
4	2006	3	22	press release	journalists + OTS (Austrian Press Agency)	AT	250 direct	UVC	press release for Vienna Children University with additional information about ECFUN; <a href="http://service.ots.at/standard.php?channel=CH0171&amp;document=CMS1135843558515">http://service.ots.at/standard.php?channel=CH0171&amp;document=CMS1135843558515</a>
5	2006	3	22	web article	general public	AT, DE	unlimited	UVC	(see 16.) <a href="http://science.orf.at/science/news/144106">http://science.orf.at/science/news/144106</a>
6	2006	3	24	web article	general public	AT, DE	unlimited	UVC	(see 16) <a href="http://www.ove.at/infozone/var1.php?newsID=8302">http://www.ove.at/infozone/var1.php?newsID=8302</a>
7	2006	3		project meeting	EU Partners of Cisci	EU	50	FAF	Ms. Angele Azzopardi Giuliano spoke about ECFUN at a project meeting for 'School is Cool' (Joint Action – Leonardo, Socrates, Youth) in Seville, Spain
8	2006	4		seminar	decision makers, policy makers	MT, EU	50	FAF	Council of Europe Seminar 'How to Promote Children's Thinking in Europe'
9	2006	5		Event to mark Europe Day	Representatives of the EU commission, academics and students	MT	50	FAF	Ms. Angele Azzopardi Giuliano spoke on FAF MT's participation in ECFUN at event to mark "Europe Day" on Campus at University of Malta
10	2006	6	7	Conference	Teacher/Reseach	Scandinavia/Europé	75	THL	Mention of ECFUN at seminar held by Helena Lijja at the CST (Communicating Science and Technology) conference in Tromsø, Norway.
11	2006	6	7	Conference	Teacher/Reseach	Scandinavia/ EU	75	THL	Mention of ECFUN at seminar held by Helena Lijja at the CST (Communicating Science and Technology) conference in Tromsø, Norway.
12	2006	6		Information sessions for scientists	scientists, participation in Vienna Children University	AT	200	UVC	Karoline Iber, Daniela Gahleitner, Christian Gary spoke about ECFUN on a meeting for scientists
13	2006	7	4	media briefing	Media	Austria	30	UVC	media briefing to Childrens University 2006 and ECFUN
14	2006	7		Exhibition	children	Austria	400	UVC	Surfstation KinderuniWien 2007
15	2006	7		project meeting	Project members from EU	MT	15	FAF	Ms. Angele Azzopardi Giuliano spoke about EC FUN at a project meeting for the VOWEL Language Teaching Project (Leonardo pilot project)
16	2006	9	21	COST A22 meeting	Members of COST A22 from different EU countries	RO	ca. 25	FAF	Dr. Sandra M. Dingli spoke about EC FUN to members of COST A22 network
17	2006	9		ERAnet ForSociety meeting	ERAnet ForSociety members from different EU countries	CZ	25	FAF	Dr. Sandra M. Dingli delivered and facilitated a session on creativity for members of ForSociety ERAnet and spoke about ECFUN
18	2006	10	10	Creative Futures Conference, Oulu, Finland	Educators and academics	FI	ca. 100	FAF	Dr. Sandra M. Dingli was invited to deliver a keynote address and she included information on ECFUN during her presentation
19	2006	10		publication	higher education	SK	5000	CUB	Article in "Nasa univerzita" (2/2006), Comenius University monthly
20	2006	10		e-learning training courses	Educators from different EU countries	MT	ca. 35	FAF	Ms. Angele Azzopardi Giuliano delivered a number of e-learning training courses (Grundvig) where ECFUN was showcased
21	2006	10		Information session;	Key science communicator from Austria	AT	30	UVC	Karoline Iber presented ECFUN, Science Center Network, Vienna, Austria
22	2006	10		Information sesseion in student workshop	students, ongoing teachers	AT	35	UVC	Karoline Iber was lecturer of a seminar for students and showcased ECFUN
23	2006	11	23	Conference	Teacher/Reseach	LX, F, PL, DE	50	THL	Mention of ECFUN at seminar held by Helena Lijja at POLAR Education and Teachers Day in Luxembourg.
24	2006	11	23	Conference	Teacher/Reseach	LX, F, PL, DE	50	THL	Mention of ECFUN at seminar held by Helena Lijja at POLAR Education and Teachers Day in Luxembourg.
25	2006	11		Information session	Radio Journalists, preparing a special radio broadcast for children	AT	15	UVC	Karoline Iber was invited to speak with radio journalists and included information about ECFUN
26	2006	12		TV interview	General public including parents, educators and children	MT	?	FAF	Dr. Sandra M. Dingli was interviewed by TV personality Annalise Ellul on 22am – a local educational TV program – in the Maltese language on ECFUN

27	2007	1	26	Information sesscion	Educators, Policy Maker	Malta	-	FAF	Angele Giuliano (through AcrossLimits – www.acrosslimits.com) disseminated information about ECFun to a pan-European audience in Luxembourg during an information day for an FP7 IST elearning call.
28	2007	1		internet	pupils	SK	800	CUB	web link to ECFUN on at least 25 school/classroom websites
29	2007	1		gifts	teachers-pupils	SK	500	CUB	posters, badges, mugs, tags, mouse pads with ECFUN logos
30	2007	4	16	Information sesscion	Educators, Teachers	Malta	-	FAF	Information on the ECFun project was given to a Milan-based language school during a visit by Ms Angele Giuliano to the establishment in San Donato.
31	2007	5		Presentation	Scientist	Austria	80	UVC	Coaching Evenening KinderuniWien 2007
32	2007	6	16	International conference	Educators, Teachers	Europe	50	FAF	Dr. Sandra M. Dingli presented a paper to an audience composed mainly of educators at the 13th International conference on Thinking held at Norkoepping, Sweden, where she emphasized the importance of utilizing science subjects and portals such as ECFun web portal to encourage children to improve their thinking skills
33	2007	7	4	media briefing	Media	Austria	35	UVC	media briefing to Childrens University 2007 and ECFUN
34	2007	7	7	Exhibition	children	Austria	400	UVC	Surfstation at KinderuniWien 2008
35	2007	8	20	Poster	Compulsory school	Sweden	277	THL	ECFUN-poster sent to 277 school addresses
36	2007	8	30	Meeting	Educators	Malta, DE, UK, Finland	10	FAF	As coordinator of an Erasmus funded project einnform (www.einnform.eu) Dr. Sandra M. Dingli attended a meeting for partners held at the University of Potsdam, Germany, where she discussed the importance of using new digital technology to encourage young people to take up science subjects.
37	2007	8		Exhibition	children, parents	Austria	150	UVC	Workshop Kinderuni on Tour 2007
38	2007	9	10	e-mailing	Compulsory school	Sweden	383	THL	Info about ECFUN and Researchers night, sent to Teknikens Hus e-mail list with 383 receivers
39	2007	9	20	Presentation	Experts Science Communication	Germany		UVC	Presentation German Children's Universities Meeting, Magedeburg
40	2007	9	28	Event	School and general public	Sweden	774	THL	Launch of ECFUN-website during Researchers night. And ECFUN-website was and is still visible at www.forskarfredag.se (Swedish website for Researchers night)
41	2007	9	28	web-link	School and general public	Sweden	∞	THL	ECFUN is recommended from the site www.forskning.se. Forskning.se is owned and developed by ten public authorities and foundations that fund research in Sweden.
42	2007	9	28	web-link	School and general public	Sweden	∞	THL	ECFUN web-link on Teknikens Hus homepage www.teknikenshus.se
43	2007	9		Email	Schools	Austria	150	UVC	information about the Webportal
44	2007	9		weblink	teacher	Austria	unlimited	UVC	www.schule.at (main portal for teachers in Austria)
45	2007	10	1	Email	children, parents	Austria, DE, CH	8000	UVC	special newsletter for children (students of Childrens University) on ECFUN: <a href="http://kinder.univie.ac.at/334.html">http://kinder.univie.ac.at/334.html</a>
46	2007	10	3	Direct e-mailing	General Public, Higher Education	Austria	500	ICE	entry in mailinglist
47	2007	10	4	Press release – web	General Public, Higher Education	Austria	8000	ICE	entry in homepage news blog
48	2007	10	12	Information sesscion	Educator	Europe	20	FAF	Dr. Sandra M. Dingli first visited the University of Aalborg, Denmark, where she addressed a select group of educators from various institutions in Denmark on the importance of creativity in education. During her presentation she communicated information on the ECFun web portal.
49	2007	10	13	weblink	general Public	Europe	unlimited	UVC	<a href="http://www.newsfood.com">www.newsfood.com</a> : Launch of new science website for children
50	2007	10	16	newsletter	general Public	Italy		UVC	Lancio di un nuovo sito web scientifico rivolto ai bambini
51	2007	10	17	publication	General Public	Italy		UVC	Lancio di un nuovo sito web scientifica
52	2007	10	18	Press release – radio	General Public	Austria	50000	ICE	Interview ab. project, Radio broadcast & download available
53	2007	10	18	Flyers	Compulsory school	Sweden	7	THL	Info about ECFUN to 7 teachers responsible for networking (possible target group 150 teachers).
54	2007	10	26	e-mailing	Compulsory school	Sweden	383	THL	Info about ECFUN, sent to Teknikens Hus e-mail list with 383 receivers
55	2007	10	29	publication	Teacher	Italy		UVC	Ecfun, una risposta a tutte le curiosita sulla scienza
56	2007	10	29	weblink	general Public	Italy	unlimited	UVC	sophia.it
57	2007	10	29	Poster	Compulsory school	Sweden	391	THL	Web-address sent to 391 school addresses (post) with other school information
58	2007	10		publication	Teacher	Austria	5000	UVC	Pädagogische Impulse, Fachmagazin
59	2007	10		weblink	children	Austria	unlimited	UVC	<a href="http://www.kinderfreunde.at">www.kinderfreunde.at</a>
60	2007	11	5	weblink	general Public	Italy	unlimited	UVC	eurodesk.it

61	2007	11	12	International seminar	Postgraduate Students	FR, International	60	FAF	Dr. Sandra M. Dingli was invited to deliver a module on Foresight and Thinking out of the Box at an International Seminar for postgraduate students held at Euromed School of Management in Marseilles, France. Dr. Dingli emphasized the importance of utilizing new digital technology to communicate and disseminate information taking the ECFun web portal as an example of such activity.
62	2007	11	21	publication	general Public	Austria	unlimited	UVC	www.vienna.at - Uni Wien startet Wissenschaftsseite für Kinder
63	2007	11	21	publication	general Public	Austria	unlimited	UVC	www.orf.at - Uni Wien mit Wissenschaftsseite für Kinder
64	2007	11	22	publications	general Public	Austria, DE, CH	unlimited	UVC	http://www.dieuniversitaet-online.at/beitraege/news/kinderburo-mehrsprachige-virtuelle-kinderuni/10/neste/3.html
65	2007	11	22	weblink	partents	Austria, DE, CH	unlimited	UVC	www.wireltern.eu - Neue Wissenschaftsseite für Kinder
66	2007	11	23	weblink	Experts	Austria	unlimited	UVC	www.wienweb.at Webportal - Wissenschaft für die Kleinen
67	2007	11		Email	Experts Science Communication	Europe	3000	UVC	information about the Conference
68	2007	11		publication	Experts	Europe		UVC	Cordis, Newsletter Nr. 294, November 2007
69	2007	11		publication	general Public	Italy		UVC	Scienza e divertimento online
70	2007	11		newsletter	Experts	Romania		UVC	IRC 40 - Romanian Association for Electronic and Software Industry
71	2007	11		weblink	Experts	Germany	unlimited	UVC	ihk - Schleswig Holstein
72	2007	11		publication, weblink	Experts	Czech Republic	unlimited	UVC	http://www.cec-wys.org/
73	2007	11		message	teachers	SK	1280 schools	CUB	e-mail message to every elem.school promoting ECFUN website
74	2007	12	4	Conference	Educatoris, private organisatios	Danmark	50	FAF	During her presentation at a conference on Radical New Thinking organized by the University of Aalborg, Denmark, Dr. Sandra M. Dingli mentioned the involvement of FAF Malta in ECFUN and the importance of utilizing foresight and creativity methods especially in education.
75	2007	12	5	Flyers	Higher Education	EU	15	THL	EU-participants in a meeting from <a href="http://www.cedefop.europa.eu/">http://www.cedefop.europa.eu/</a>
76	2007	12	14	e-mailing	Research	Sweden	15	THL	Invitation to ECFUN-conference sent to the Swedish researchers participating in ECFUN
77	2007	12	14	e-mailing		Sweden	48	THL	Invitation and information about ECFUN-conference sent to contacts in Sweden (48 addresses): like the Knowledge Foundation, the Swedish Research Council, VINNOVA (Swedish Governmental Agency for Innovation Systems), Vetenskap & Allmänhet, VA (Public and Science) and several museums and science centers.
78	2007	12		publication	Teacher	Austria	5000	UVC	Direct News: Pädagogisches Magazin für Schule, Beruf und Gesellschaft
79	2007	12		weblink	Experts	Europe	unlimited	UVC	ecsite - information on conference
80	2007	12		weblink	Experts	Romania	unlimited	UVC	Ascoatia Pavel - weblink
81	2007	12		presentation	pupils	SK	30 classrooms	CUB	ECFUN website intorduction
82	2007			Information sesscion	Educators, Teachers	Malta	15	FAF	Information on the ECFun website was disseminated to teachers in Malta who teach creativity in primary schools during various meetings and networking activities.
83	2007			Information sesscion	Postgraduate Students	Malta	20	FAF	Information on the ECFun website was disseminated to postgraduate students in Malta who are enrolled for a Masters in Creativity and Innovation during various meetings and networking activities. ( <a href="http://home.um.edu.mt/create">http://home.um.edu.mt/create</a> )
84	2007			Information sesscion	Educators, Teachers	Malta	35	FAF	ECFUN was showcased during e-learning training courses which Ms. Angele Giuliano delivers every month in Malta to participants from different European countries (Grundtvig). All the participants in this case are teachers and all show extreme interest to keep learning about the project and to showcase it to their own students
85	2008	1	8	e-mailing		EU	∞	THL	Invitation and information about ECFUN-conference, sent out through science center networks: FSSC (Swedish science center network), NSCF (Nordic science center network), Ecsite and ASTC.
86	2008	1	10	Press release – web	General Public, Higher Education	Austria		ICE	entry in homepage news blog
87	2008	1	10	Conference	Higher Education and research	Sweden	50	THL	Presentation at an information day about EU-projects, "The secrets behind successful projects", we were invited by the Swedish research council.
88	2008	1	11	e-mailing	Compulsory school	Sweden	383	THL	Info about ECFUN, sent to Teknikens Hus e-mail list with 383 receivers
89	2008	1	11	Poster	School and general public	Sweden	∞	THL	ECFUN poster at display in Teknikens Hus (100 000 visitors yearly).

90	2008	1	14	Conference	Teachers	Sweden	760	THL	Presentation via flyer of ECFUN at teachers conference held by CETIS (Centre for School Technology Education) in Norrköping 14-15/4 2008
91	2008	1	15	press release	General Public	Austria		UVC	Press release conference: Universität Wien lädt Jugendliche zu Kongress
92	2008	1	17	publication	General Public	Austria		UVC	Kurier - Kiku: Tagung über/für Jugendliche 17.1.2008
93	2008	1	24	Meeting	Educators	Malta, DE, UK, Finland	10	FAF	As coordinator of an Erasmus funded project einform (www.einform.eu) Dr. Sandra M. Dingli attended a meeting for partners held at the University of Teesside, England, where she demonstrated the ECFun web portal and discussed the importance of using new digital technology for teaching science, for increased digital literacy and for nurturing the curiosity and imagination of young people.
94	2008	1	31	conference	Experts Science Communication	Europe	150	UVC	International Conference, 150 participants
95	2008	1		Presentation	Experts Science Communication	Germany	40	UVC	Presentation Bavarian Childrens Universities Providers (Munich)
96	2008	1		Sticker	Experts	Europe	10000	UVC	Participants of the conference got stickers for children in their homecountries
97	2008	1		weblink	Experts	Germany	unlimited	UVC	Deutscher Bildungsserver: information on conference
98	2008	1		weblink	teacher	Austria	unlimited	UVC	LehrerInnenweb - information on conference
99	2008	1		weblink	Teacher	Austria	unlimited	UVC	Teachers news, information on conference
100	2008	1		publication	teachers	SK	10000	CUB	Article in Ucitelske noviny bi-weekly
101	2008	1		contest	pupils	SK	300	CUB	Essay contest of school children
102	2008	1		press release	general	SK	80000	CUB	press release SITA agency
103	2008	1		Internet	pupils	SK	80000	CUB	web link to ECFUN at Infovek central schools website
104	2008	1		presentation	academics	SK	20	CUB	presentation to Dpt. Of Computers and Mathematics CUB
105	2008	2	25	Coordinator Meeting/ Networking	Educators	Europe	40	FAF	Dr. Sandra M. Dingli was invited to participate in a meeting for Erasmus Coordinators in Brussels. During informal and networking with other coordinators Dr. Dingli spoke about FAF Malta's participation in ECFUN and how it can encourage young people to take up science subjects and, eventually, science careers.
106	2008	2		press release	General Public	Austria, DE; CH		UVC	Press release conference: 1+1=1 Neue Erkenntnisse der Wissenschaft
107	2008	3	28	Briefing	Village local activists.	Poland	20 people	WUT	About 30 minutes meeting with leaders of small villages (also teachers). Posters, leaflets and CDs where distributed.
108	2008	3		publication	General Public	Austria	10000	UVC	Bezirksblatt Josefstadt, Ausgabe 03/2008: Welt der Wissenschaft für Kinder
109	2008	3		publication	general	SK	90000	CUB	Article in Uj szo daily
110	2008	3		publication	general	SK	30000	CUB	Article in Castrum novum journal
111	2008	4	4	Briefing	Village local activists.	Poland	20 people	WUT	About 30 minutes meeting with leaders of small villages (also teachers). Posters, leaflets and CDs where distributed.
112	2008	4	15	International conference	Educators	Europe	20	FAF	Dr. Sandra M. Dingli presented a workshop on foresight and thinking out of the box as a conference CREA 2008 held in Sestri Levante, Italy, where she discussed the ECFun webportal and its usefulness in disseminating science information to young people.
113	2008	4	25	Briefing	Village local activists.	Poland	20 people	WUT	About 30 minutes meeting with leaders of small villages (also teachers). Posters, leaflets and CDs where distributed.
114	2008	4	28	Dissemination Event	Secondary School Students	Malta	120	FAF	Large scale event organized at Margaret Mortimer Junior Lyceum, St. Lucia, Malta for around 100 girls aged 13 – 14 years and their teachers. This event combined a focus group with a quality assurance and dissemination event. The feedback received demonstrated the success of the event with a number of the students present exhibiting motivation to take up careers in science. A number of the scientists who contributed to the ECFun webportal participated in this event. Therefore the event had an increased multiplier effect as those present included students, teachers, scientists and academics (some scientists are academics at the University of Malta).
115	2008	5	1	campaign	teachers	Sk	9 schools	CUB	school visits - spreading info about ECFUN website
116	2008	5	2	discussion	teachers	SK	30 classrooms	CUB	student teachers introduced ECFUN website in schools
117	2008	5	20	Sending emails	Teachers	Poland	300 schools	WUT	The ecfun portal was presented.
118	2008	5	21	Meeting in a school – Nowogród	Children, Teachers	Poland	35 people	WUT	Meeting with a scientist: prof. Dolowy, his presentation and portal presentation. Posters and flyers handled.
119	2008	5	23	"site-kiosk"	School and general public	Sweden	∞	THL	Stationary computer station in Teknikens Hus with ECFUN-site (100 000 visitors yearly).

